

Chapter 9

References

Preliminary and Partial list of papers - Sept. 05

- [1] R. M. Santilli, “Why space is rigid,” in Italian, Il Pungolo Verde, Campobasso, Italy (1956).
- [2] R. M. Santilli, Nuovo Cimento **51**, 570 (1967).
- [3] R. M. Santilli, Suppl. Nuovo Cimento **6**, 1225 (1968).
- [4] S. L. Adler, Phys.Rev. **17**, 3212 (1978).
- [5] R. M. Santilli, Phys. Rev. D **20**, 555 (1979).
- [6] C. N. Ktorides, H. C. Myung and R. M. Santilli, Phys. Rev. D **22**, 892 (1980).
- [7] R. M. Santilli, Found. Phys. **11**, 383 (1981).
- [8] R. M. Santilli, Novo Cimento Lett. **37**, 545 (1983).
- [9] J. Fronteau, R. Mignani, H. C. Myung and R. M. Santilli, Editors, *Proceedings of the First Workshop on Hadronic Mechanics*, Hadronic J. Vol. 6, issue no. 6, pp. 1400–1989 (1983).
- [10] D. L. Schuch, K.-M. Chung and H. Hartmann, J. Math. Phys. **24**, 1652 (1983).
- [11] R. Mignani, Lett. Nuovo Cimento **39**, 413 (1984).
- [12] M. Nishioka, Nuovo Cimento A **82**, 351 (1984).
- [13] A. Jannussis and R. Mignani, Physica A **152**, 469 (1988).
- [14] A. Jannussis et al., Phys. Lett. A **132**, 324 (1988).
- [15] A. Jannussis et al, Nuovo Cimento B**103**, 17 and 537 (1989).
- [16] A. Jannussis et al., Nuovo Cimento B**104**, 33 and 53 (1989).

- [17] D. Schuch 23, Phys. Rev. A **23**, 59, (1989).
- [18] D. L. Rapoport, contributed paper in the *Proceedings of the Fifth International Workshop on Hadronic Mechanics*, H.C. Myung, Editor, Nova Science Publisher (1990).
- [19] D. L. Rapoport, contributed paper in the *Proceedings of the Fifth International Workshop on Hadronic Mechanics*, H.C. Myung, Editor, Nova Science Publisher (1990).
- [20] A. O. Animalu and R. M. Santilli, contributed paper in *Hadronic Mechanics and Nonpotential Interactions* M. Mijatovic, Editor, Nova Science, New York, pp. 19–26 (1990).
- [21] A. Jannussis, M. Mijatovic and B. Veljanosky, Physics Essays **4**, (1991).
- [22] A. Jannussis, D. Brodimas and R. Mignani, J. Phys. A: Math. Gen. **24**, L775 (1991).
- [23] R. Mignani, Physics Essays **5**, 531 (1992).
- [24] F. Cardone, R. Mignani and R. M. Santilli, J. Phys. G: Nucl. Part. Phys. **18**, L61 (1992).
- [25] F. Cardone, R. Mignani and R. M. Santilli, J. Phys. G: Nucl. Part. Phys. **18**, L141 (1992).
- [26] A. Jannussis and R. Mignani, Physica A **187**, 575 (1992).
- [27] A. Jannussis, R. Mignani and D. Skaltsas, Physics A **187**, 575 (1992).
- [28] C. Borghi, C. Giori and A. Dall’Oilio Russian J. Nucl. Phys. **56**, 147 (1993).
- [29] R. M. Santilli, Comm. Theor. Phys. **3**, 153 (1993).
- [30] R. M. Santilli, J. Moscow Phys. Soc. **3**, 255 (1993).
- [31] R. M. Santilli, JINR Rapid. Comm. **6**, 24 (1993).
- [32] C. Borghi, C. Giori and A. Dall’Oilio Russian J. Nucl. Phys. **56**, 147 (1993).
- [33] A. Jannussis and D. Skaltsas, *Ann. Fond. L. de Broglie* **18**, 137 (1993).
- [34] A. Jannussis, R. Mignani and R. M. Santilli, *Ann. Fond. L. de Broglie* **18**, 371 (1993).
- [35] A. Jannussis et al., Nuovo Cimento B **108** 57 (1993).
- [36] A. K. Aringazin and K. M. Aringazin, Invited paper, in the *Proceedings of the Intern. Conference ‘Frontiers of Fundamental Physics’*, Plenum Press, (1993).
- [37] A. K. Aringazin, K. M. Aringazin, S. Baskoutas, G. Brodimas, A. Jannussis, and K. Vlachos, contributed paper in the *Proceedings of the Intern. Conference ‘Frontiers of Fundamental Physics’*, Plenum Press, (1993).
- [38] T. L. Gill and J. Lindesay, Int. J. Theor. Phys **32**, 2087 (1993).

- [39] J. V. Kadeisvili, Editor, *The Mathematical Legacy of Hanno Rund*, Hadronic Press (1994).
- [40] J. Löhmus, E. Paal and L. Sorgsepp, *Nonassociative Algebras in Physics*, Hadronic Press, Palm Harbor, FL, USA (1994).
- [41] J. V. Kadeisvili, contributed paper in the *Proceedings of the International Workshop on Symmetry Methods in Physics*, G. Pogosyan et al., Editors, JINR, Dubna, Russia (1994).
- [42] R. M. Santilli, contributed paper to *Frontiers of Fundamental Physics*, M. Barone and F. Selleri, Editors Plenum, New York, pp 41–58 (1994).
- [43] D. F. Lopez, in *Symmetry Methods in Physics*, A. N. Sissakian, G. S. Pogosyan and X. I. Vinitisky, Editors, JINR, Dubna, Russia (1994).
- [44] H. E. Wilhelm, contributed paper in *Space, Time and Motion: Theory and Experiments*, H. E. Wilhelm and K. Liu, Editors, Chinese J. Syst Eng. Electr., **6**, 4 (1995).
- [45] R. M. Santilli, Comm. Theor. Phys. **4**, 123 (1995).
- [46] A. O. E. Animalu and R. M. Santilli, Intern. J. Quantum Chem. **26**, 175 (1995).
- [47] F. Cardone and R. Mignani, JETP **88**, 435 (1995).
- [48] D. Schuch, contributed paper in *New Frontiers in Theoretical Physics*, Vol. I, p. 113, T. Gill, Editor, Hadronic Press, Palm Harbor (1996); D. L. Schuch, Hadronic J. **19**, 505 (1996).
- [49] R. M. Santilli and T. Vougiouklis, contributed paper in *New Frontiers in Hyperstructures*, T. Vougiouklis, Editor, Hadronic Press, p. 1 (1996).
- [50] R. M. Santilli, Chinese J. Syst. Ing. & Electr. **6**, 177 (1996).
- [51] R. M. Santilli, Rendiconti Circolo Matematico di Palermo, Supplemento **42**, 7 (1996).
- [52] R. M. Santilli, Communication of the JINR, Dubna, Russia, No. E2-96-259 (1996).
- [53] R. M. Santilli, Contributed paper in *New Frontiers of Hadronic Mechanics*, T. L. Gill, ed., Hadronic Press (1996).
- [54] J. V. Kadeisvili, Math. Methods in Appl. Sci. **19** 1349 (1996).
- [55] J. Ellis, N. E. Mavromatos and D. V. Nanopoulos in *Proceedings of the Erice Summer School, 31st Course: From Superstrings to the Origin of Space-Time*, World Scientific (1996).
- [56] R. M. Santilli, Found. Phys. Letters **10**, 307 (1997).
- [57] R. M. Santilli, Hyperfine Interactions, **109**, 63 (1997).
- [58] R. M. Santilli, Found. Phys. **27**, 635 (1997).
- [59] R. M. Santilli, Found. Phys. **27**, 1159 (1997).

- [60] R. M. Santilli, Hyperfine Interactions, **109**, 63 (1997).
- [61] R. M. Santilli, Contributed paper in the *Proceedings of the International Symposium on Large Scale Collective Motion of Atomic Nuclei*, G. Giardina, G. Fazio and M. Lattuada, Editors, World Scientific, Singapore, p. 549 (1997).
- [62] T. L. Gill, W. W. Zachary and J. Lindesay, Foundations of Physics Letters **10**, 547 (1997).
- [63] C. A. Chatzidimitriou-Dreismann, T. Abdul-Redah, R. M. F. Streffer, J. Mayers, Phys. Rev. Lett. **79**, 2839 (1997).
- [64] R. M. Santilli, Intern. J. Modern Phys. D **7**, 351 (1998).
- [65] R. M. Santilli, Intern. J. of Phys. **4**, 1 (1998).
- [66] R. M. Santilli, Modern Phys. Letters **13**, 327 (1998).
- [67] R. M. Santilli, Acta Appl. Math. **50**, 177 (1998).
- [68] R. M. Santilli, Contributed paper to the *Proceedings of the International Workshop on Modern Modified Theories of Gravitation and Cosmology*, E. I. Guendelman, Editor, Hadronic Press, p. 113 (1998).
- [69] R. M. Santilli, *The Physics of New Clean Energies and Fuels According to Hadronic Mechanics*, Special Issue of the Journal of New Energy, Vol. 4, Special Issue, 318 pages (1998).
- [70] Yu. Arestov, V. Solovianov and R. M. Santilli, Found. Phys. Letters **11**, 483 (1998).
- [71] T. L. Gill, W. W. Zachary and J. Lindesay, Int. J. Theor. Phys. **37**, 22637 (1998).
- [72] J. Dunning-Davies, Foundations of Physics Letters, **12**, 593 (1999).
- [73] R. M. Santilli, Intern. J. Modern Phys. A **14**, 2205 (1999).
- [74] R. M. Santilli, Intern. J. Modern Phys. A **14**, 3157 (1999).
- [75] R. M. Santilli and D. D. Shillady, Intern. J. Hydrogen Energy **24**, 943 (1999).
- [76] R. M. Santilli, Contributed paper to the *Proceedings of the VIII M. Grossmann Meeting on General Relativity*, Jerusalem, June 1998, World Scientific, p. 473 (1999).
- [77] R. M. Santilli and D. D. Shillady, Intern. J. Hydrogen Energy **25**, 173 (2000).
- [78] V. V. Dvoeglazov, Editor *Photon: Old Problems in Light of New Ideas*, Nova Science (2000).
- [79] R. M. Santilli, Contributed paper in *Photons: Old Problems in Light of New Ideas*, V. V. Dvoeglazov, Editor, Nova Science Publishers, pp. 421–442 (2000).
- [80] T. L. Gill, W. W. Zachary and J. Lindesay, Foundations of Physics, **31**, 1299 (2001).
- [81] C. A. Chatzidimitriou-Dreismann, T. Abdul-Redah, B. Kolaric J. Am. Chem. Soc. **123**, 11945 (2001).

- [82] R. M. Santilli, *Found. Phys. Letters* **32**, 1111 (2002).
- [83] E. Trel, “Tessellation of Diophantine Equation Block Universe,” Contributed paper to *Physical Interpretations of Relativity Theory*, 6–9 September 2002, Imperial College, London, British Society for the Philosophy of Science, in print, (2002).
- [84] C. A. Chatzidimitriou-Dreismann, T. Abdul-Redah, R. M. F. Streffer, J. Mayers, *J. Chem. Phys.* **116**, 1511 (2002).
- [85] R. M. Falcon Ganfornina and J. Nunez Valdes, *Fundamentos de la Isoteoria de Lie-Santilli* (in Spanish), International Academic Press, America-Europe-Asia, (2001), also available in the pdf file <http://www.i-b-r.org/docs/spanish.pdf>.
- [86] Chun-Xuan Jiang, *Foundations of Santilli’s Isonumber Theory*, with Applications to New Cryptograms, Fermat’s Theorem and Goldbach’s Conjecture, International Academic Press, America-Europe-Asia (2002), also available in the pdf file <http://www.i-b-r.org/docs/jiang.pdf>.
- [87] R. M. Santilli and A. K. Aringazin, “Structure and Combustion of Magnegases,” e-print <http://arxiv.org/abs/physics/0112066>, to be published.
- [88] To be completed

Papers Published in the *Hadronic Journal*

- [89] R. M. Santilli, “On a possible Lie-admissible covering of the Galilei Relativity in Newtonian Mechanics for nonconservative and Galilei form-noninvariant system,” *Hadronic Journal* **1**, 223–423 (1978).
- [90] R. M. Santilli, “Need of subjecting to an experimental verification the validity within a hadron of Einstein’s special relativity and Paul’s exclusion principle,” *Hadronic Journal* **1**, 574–901 (1978).
- [91] R. M. Santilli, “Addendum to ‘On a possible Lie-admissible covering of the Galilei Relativity in Newtonian Mechanics for nonconservative and Galilei form-noninvariant system’,” *Hadronic Journal* **1**, 1279–1342 (1978).
- [92] W. Sarlet and F. Cantrijn, “On some aspects of the Inverse Problem for general first order systems,” *Hadronic Journal* **1**, 101–133 (1978).
- [93] H. C. Myung, “Lie-admissible algebras,” *Hadronic Journal* **1**, 169–193 (1978).
- [94] C. I. George, F. Henin, F. Maynee, and I. Prigogine, “New quantum rules for dissipative systems,” *Hadronic Journal* **1**, 520–573 (1978).
- [95] G. P. Wene, “An example of a flexible, Jordan-admissible algebra of current use in hadron physics,” *Hadronic Journal* **1**, 944–954 (1978).
- [96] J. A. Kobussen, “Relation between Nambu mechanics and generalized Hamiltonian Mechanics,” *Hadronic Journal* **1**, 975–966 (1978).
- [97] C. N. Ktorades, “On a possible incompatibility of Lie local powers of a quantum field with the Wightman axioms and the spin-statistics theorem,” *Hadronic Journal* **1**, 1012–1020 (1978).

- [98] H. C. Myung, "On nonflexible Lie-admissible algebra," *Hadronic Journal* **1**, 1021–1140 (1978).
- [99] D. Y. Kim, "Remarks on recently proposed tests of Einstein's Special relativity in hadron physics," *Hadronic Journal* **1**, 1343–1363 (1978).
- [100] S. Okubo, "Octonians as traceless 3x3 matrices via a flexible Lie-admissible algebra," *Hadronic Journal* **1**, 1432–1465 (1978).
- [101] W. Sarlet and F. Cantrijn, "Canonical transformations and the Hamiltonian-Jacobi problem for general first-order systems derivable from a variational principle," *Hadronic Journal* **1**, 1497–1521 (1978).
- [102] K. Yasue, "Nonconservative quantum mechanics as the nonrelativistic limit of quark dynamics," *Hadronic Journal* **1**, 1546–1580 (1978).
- [103] S. Okubo, "Octonion, pseudo-alternative, and Lie-admissible algebras," *Hadronic Journal* **2**, 39–66 (1979).
- [104] W. Sarlet, "On the structure and classification of matrices characterizing jointly Lie-admissible brackets and symplectic-admissible two-forms," *Hadronic Journal* **2**, 91–134 (1979).
- [105] L. Y. Bahar and H. G. Kwatny, "Exact Lagrangians for linear nonconservative systems," *Hadronic Journal* **2**, 238–260 (1979).
- [106] J. A. Kobussen, "Generalized Hamiltonian dynamics for fields," *Hadronic Journal* **2**, 321–359 (1979).
- [107] H. C. Myung, "Flexible Lie-admissible algebras with nil-basis," *Hadronic Journal* **2**, 360–368 (1979).
- [108] W. Sarlet, "On the transition between second-order and first-order systems within the context of the inverse problem of Newtonian Mechanics," *Hadronic Journal* **2**, 407–432 (1979).
- [109] Y. S. Kim and M. E. Noz, "Lorentz deformation of the Bethe-Salpeter wave function," *Hadronic Journal* **2**, 460–480 (1979).
- [110] F. Cantrijn, "On structure preserving transformations for Newtonian Lie-admissible equations," *Hadronic Journal* **2**, 481–503 (1979).
- [111] S. Okubo and H. C. Myung, "On the classification of simple flexible Lie-admissible algebras," *Hadronic Journal* **2**, 504–567 (1979).
- [112] J. A. Kobussen, "Applications of generalized Hamiltonian dynamics," *Hadronic Journal* **2**, 578–519 (1979).
- [113] A. L. Vanderbauwhede, "Potential operators and variational principles: a generalization," *Hadronic Journal* **2**, 620–641 (1979).
- [114] V. Mandadi and K. Huseyin, "Nonlinear instability behaviour of nongradient systems," *Hadronic Journal* **2**, 657–681 (1979).

- [115] J. P. Constantopoulos and C. N. Ktorides, "Symmetry schemes compatible with non-self-adjoint Lie-admissible forces," *Hadronic Journal* **2**, 697–726 (1979).
- [116] J. Fronteau, "Vers une description non conservative de l'évolution en physique," *Hadronic Journal* **2**, 727–829 (1979).
- [117] R. F. Alvarez-Estrada, "Inverse scattering solution of non-linear evolution equations on one space dimension: an introduction," *Hadronic Journal* **2**, 858–916 (1979).
- [118] H. Yilmaz, "Einstein, the exponential metric, and a proposed gravitatial Michelson-Morley experiment," *Hadronic Journal* **2**, 997–1020 (1979).
- [119] C. J. Eliezer, "The symmetries and first integrals of some differential equations of dynamics," *Hadronic Journal* **2**, 1067–1109 (1979).
- [120] H. Yilmaz, "Analysis of space-time in non-inertial frames with applications to gauge theories," *Hadronic Journal* **2**, 1186–1251 (1979).
- [121] M. L. Tomber, "A short history of nonassociative algebras," *Hadronic Journal* **2**, 1252–1387 (1979).
- [122] L. Sorgsepp and J. Löhmus, "About nonassociativity in physics and Cayley-Graves octonians," *Hadronic Journal* **2**, 1388–1459 (1979).
- [123] R. M. Santilli, "Status of the mathematical and physical studies on the Lie-admissible formulations on July 1979 with particular reference to strong interactions," *Hadronic Journal* **2**, 1460–2018 (1979).
- [124] Errata corrige: R. M. Santilli, "Status of the mathematical and physical studies on the Lie-admissible formulations on July 1979 with particular reference to strong interactions," *Hadronic Journal* **2**, 1460–2018 (1979). In *Hadronic Journal* **2**, 914 (1979).
- [125] S. Okubo, "A generalization of Hurwitz theorem and flexible Lie-admissible algebras," *Hadronic Journal* **3**, 1–52 (1980).
- [126] M. Koiv and J. Löhmus, "Generalized deformations of nonassociative algebras," *Hadronic Journal* **3**, 53–78 (1980).
- [127] J. A. Kobussen, "Lie-admissible structure of classical field theory," *Hadronic Journal* **3**, 79–129 (1980).
- [128] J. Fronteau, A. Tellez-Arenas, and R. M. Santilli, "Lie-admissible structure of statistical mechanics," *Hadronic Journal* **3**, 130–176 (1980).
- [129] A. Tellez-Arenas and J. Fronteau, "Closed systems with nonconservative internal forces," *Hadronic Journal* **3**, 177–195 (1980).
- [130] H. C. Myung and R. M. Santilli, "Further studies on the recently proposed experimental test of Pauli's exclusion principle for the strong interactions," *Hadronic Journal* **1**, 196–255 (1980).
- [131] Chun-Xuan Jiang, "A simple approach to the computation of the total number of hadronic constituents in Santilli's model," *Hadronic Journal* **3**, 256–292 (1980).

- [132] R. H. Oehmke, "Some elementary structure theorems for a class of Lie-admissible algebras," *Hadronic Journal* **3**, 293–319 (1980).
- [133] G. P. Wene, "A Generalization of bonded algebras," *Hadronic Journal* **3**, 320–326 (1980).
- [134] Y. Ilamed, "On realizations of infinite-dimensional Lie-admissible algebras," *Hadronic Journal* **3**, 327–338 (1980).
- [135] N. Salingaros, "Realization and classification of the universal Clifford algebras as associative Lie-admissible algebras," *Hadronic Journal* **3**, 339–389 (1980).
- [136] G. E. Prince, P. G. Leach, T. M. Kalotas, and C. J. Eliezer, "The Lie and Lie-admissible symmetries of dynamical systems," *Hadronic Journal* **3**, 390–439 (1980).
- [137] R. M. Santilli, "Initiation of the representation theory of Lie-admissible algebras of operators on bimodular Hilbert spaces," *Hadronic Journal* **3**, 440–506 (1980).
- [138] M. L. Tomber, D. M. Norris, M. Reynolds, C. Balzer, K. Trebilcote, T. Terry, H. Coryell, and J. Ordway, "A nonassociative algebra bibliography," *Hadronic Journal* **3**, 507–725 (19780).
- [139] D. K. P. Ghikas, C. N. Ktorides, and L. Papaloukas, "Representation theory of Lie-admissible enveloping algebras on operator algebras: an extension of a theorem by Nelson," *Hadronic Journal* **3**, 726–742 (1980).
- [140] W. Sarlet, "On linear nonconservative systems derivable from a variational principle," *Hadronic Journal* **3**, 765–793 (1980).
- [141] R. M. Santilli, "Remarks on the problematic aspects of Heisenberg/Lie/symplectic formulations," *Hadronic Journal* **3**, 854–913 (1980).
- [142] J. Salmon, "Irreversibility, velocity correlations, and non-Hamiltonian dynamics," *Hadronic Journal* **3**, 1080–1107 (1980).
- [143] J. Fronteau and A. Tellez-Arenas, "Inverse Liouville problem," *Hadronic Journal* **3**, 1209–1241 (1980).
- [144] M. Grmela, "Non-Hamiltonian dynamics of an Enskog quasiparticle," *Hadronic Journal* **1**, 1242–1263 (1980).
- [145] J. P. Constantopoulos, "Lie-admissible deformation of self-adjoint systems," *Hadronic Journal* **3**, 1281–1312 (1980).
- [146] R. Mignani, "On Jordan- and Lie-admissibility of generalized superalgebras," *Hadronic Journal* **3**, 1313–1319 (1980).
- [147] A. J. Kálny, "On fundamental realizations of Lie-admissible algebras: flexibility, centers and nuclei," *Hadronic Journal* **3**, 1552–1564 (1980).
- [148] Errata-corrige: A. J. Kálny, "On fundamental realizations of Lie-admissible algebras: flexibility, centers and nuclei," *Hadronic Journal* **3**, 1552–1564 (1980). " *Hadronic Journal* **1**, 211–210 (1983).

- [149] T. L. Gill, "New perspectives in time-ordered operators and divergencies, I," *Hadronic Journal* **3**, 1575–1596 (1980).
- [150] T. L. Gill, "New Perspectives in time-ordered operators and divergencies, II," *Hadronic Journal* **3**, 1597–1621 (1980).
- [151] A. D. Jannussus, L. C. Papaloucas and P. D. Siafarikas, "Eigenfunctions and Eigenvalues of the q -differential operators," *Hadronic Journal* **3**, 1622–1632 (1980).
- [152] M. L. Tomber, "Jacobson-Witt algebras and Lie-admissible algebras," *Hadronic Journal* **4**, 183–198 (1980).
- [153] S. Okubo and H. C. Myung, "Commutativity of adjoint operator algebras in simple Lie algebras," *Hadronic Journal* **4**, 199–215 (1980).
- [154] S. Okubo, "Dimension and classification of general composition algebras," *Hadronic Journal* **4**, 216–273 (1980).
- [155] G. M. Benkart, J. M. Osborn and D. J. Britten, "Flexible Lie-admissible algebras with the solvable radical of Abelian and Lie algebras with nondegenerate forms," *Hadronic Journal* **4**, 274–326 (1980).
- [156] L. Sorgsepp and J. Löhmus, "Binary and ternary sedenions," *Hadronic Journal* **4**, 327–353 (1980).
- [157] S. Okubo, "Some classes of flexible Lie-Jordan-admissible algebras," *Hadronic Journal* **4**, 354–391 (1980).
- [158] G. M. Benkart, J. M. Osborn, "Real division algebras and other algebras motivated by physics," *Hadronic Journal* **4**, 392–443 (1980).
- [159] V. K. Agrawala, "Invariants of generalized Lie algebras," *Hadronic Journal* **4**, 444–496 (1981).
- [160] D. J. Britten, "On application of isotopy to real division algebras," *Hadronic Journal* **1**, 497–607 (1981).
- [161] Y. Ko, B. L. Kang and H. C. Myung, "On Lie-admissibility of vector matrix algebras," *Hadronic Journal* **4**, 530–549 (1981).
- [162] R. H. Oehmke and J. F. Oehmke, "Lie-admissible algebras with specified automorphism groups," *Hadronic Journal* **4**, 550–579 (1981).
- [163] G. P. Wene, "Towards a structure theory for Lie-admissible algebras," *Hadronic Journal* **4**, 580–607 (1981).
- [164] S. Okubo, "Nonassociative quantum mechanics and strong correspondence principle," *Hadronic Journal* **4**, 608–633 (1981).
- [165] G. Eder, "On the the mutation parameters of the generalized spin algebra for particles with spin $1/2$," *Hadronic Journal* **4**, 634–641 (1981).
- [166] R. M. Santilli, "Generalization of Heisenberg uncertainty principle for strong interactions," *Hadronic Journal* **4**, 642–657 (1981).

- [167] D. P. K. Ghikas, "Symmetries and bi-representations in the C -algebraic framework: First thoughts," *Hadronic Journal* **4**, 658–672 (1981).
- [168] E. Kapuscik, "On nonassociative algebras and quantum-mechanical observables," *Hadronic Journal* **4**, 673–696 (1981).
- [169] J. A. Kabussen, "Transformation theory for first-order dynamical systems," *Hadronic Journal* **4**, 697–741 (1981).
- [170] J. Fronteau, "Brief introduction to Lie-admissible formulations in statistical mechanics," *Hadronic Journal* **4**, 742–753 (1981).
- [171] A. Tellez-Arenas, "Mean effect in nuclei," *Hadronic Journal* **4**, 754–769 (1981).
- [172] R. M. Santilli, "A structure model of the elementary charge," *Hadronic Journal* **4**, 770–784 (1981).
- [173] R. Mignani, "Subsector approach to hadron properties and the classification problem," *Hadronic Journal* **4**, 785–823 (1981).
- [174] Y. Ilamed, "On the brackets of Nambu, on d -polynomials and on canonical lists of variables," *Hadronic Journal* **4**, 831–843 (1981).
- [175] J. Sniatycki, "On particles with gauge degrees of freedom," *Hadronic Journal* **41**, 844–878 (1981).
- [176] P. R. Chernoff, "Mathematical obstructions to quantization," *Hadronic Journal* **1**, 879–898 (1981).
- [177] P. Broadbridge, "Problems in quantization of quadratic Hamiltonians," *Hadronic Journal* **4**, 899–948 (1981).
- [178] N. Salingaros, "Clifford, Dirac, and Majorana algebras, and their matrix representation," *Hadronic Journal* **4**, 949–980 (1981).
- [179] P. Truini, L. C. Biedenharn, and G. Cassinelli, "Imprimitivity theorem and quaternionic quantum mechanics," *Hadronic Journal* **4**, 981–994 (1981).
- [180] E. Prugovecki, "Quantum spacetime operationally based on propagators for extended test particles," *Hadronic Journal* **4**, 1018–1104 (1981).
- [181] G. Lochak, "A nonlinear generalization of the Floquet theorem and an adiabatical theorem for dynamical systems," *Hadronic Journal* **4**, 1105–1126 (1981).
- [182] A. J. Kalnay, "On certain intriguing physical, mathematical and logical aspects concerning quantization," *Hadronic Journal* **4**, 1127–1165 (1981).
- [183] R. M. Santilli, "Experimental, theoretical, and mathematical elements for a possible Lie-admissible generalization of the notion of particle under strong interactions," *Hadronic Journal* **4**, 1166–1257 (1981).
- [184] R. J. Slobodrian, "Tests of time and iso-spin symmetries: violation of time reversal invariance," *Hadronic Journal* **4**, 1258–1279 (1981).

- [185] H. Rauch and A. Zeitlinger, "Demonstration of $SU(2)$ -symmetries by neutron interferometry," *Hadronic Journal* **4**, 1280–1294 (1981).
- [186] L. Federici, G. Giordano, G. Matone, G. Pasquariello, P. G. Picozza, R. Caloi, L. Casana, M. P. de Pascale, M. Mattioli, E. Poldi, C. Schaerf, M. Vanni, P. Pelfer, D. Prosperi, S. Frullani, and B. Girolami, "The Ladon photon beam at Frascati," *Hadronic Journal* **4**, 1295–1305 (1981).
- [187] D. Y. Kim and S. I. H. Naqui, "Search for light charged scalar bosons," *Hadronic Journal* **4**, 1306–1317 (1981).
- [188] M. L. Tomber, C. L. Smith, D. M. Norris, and R. Welk, "Addenda to 'A nonassociative algebra bibliography'," *Hadronic Journal* **4**, 1318–1443 (1981).
- [189] M. L. Tomber, C. L. Smith, D. M. Norris, and R. Welk, "A Subject index of works relating to nonassociative algebras," *Hadronic Journal* **4**, 1444–1625 (1981).
- [190] A. Vanderbauwhede, "The inverse problem of nonlinear dynamical systems: An alternative approach," *Hadronic Journal* **4**, 1889–1915 (1981).
- [191] T. L. Gill, "The Original Schrodinger Equation and a Lie-isoscopic generalization of relativistic quantum mechanics," *Hadronic Journal* **4**, 1962–1995 (1981).
- [192] G. Eder, "Physical Implications of a Lie-admissible spin algebra," *Hadronic Journal* **4**, 2018–2032 (1981).
- [193] H. C. Myung, "Flexible Malcev-admissible algebras," *Hadronic Journal* **4**, 2033–2136 (1981).
- [194] R. Mignani, "Violation of time-reversal invariance in nuclear interactions and non-potential forces," *Hadronic Journal* **4**, 2185–2191 (1981).
- [195] E. Kleinfeld, "A generalization of commutative and associative rings. II," *Hadronic Journal* **5**, 1–6 (1982).
- [196] S. Okubo, "The uniqueness of $SU(5)$ and $SO(10)$ grand unified theories. II," *Hadronic Journal* **5**, 7–70 (1982).
- [197] S. Hojman, "Construction of Genotopic transformations for first order systems of differential equations," *Hadronic Journal* **5**, 174–184 (1982).
- [198] M. Nishioka, "Geometric Quantization of curved phase space," *Hadronic Journal* **5**, 207–213 (1982).
- [199] A. Schober, "Non-Euclidean and non-Desarguesian geometries: Models for hadronic structure," *Hadronic Journal* **5**, 214–243 (1982).
- [200] R. M. Santilli, "Introduction to the Lie-admissible treatment of non-potential interactions in Newtonian, Statistical, and Particle Mechanics," *Hadronic Journal* **5**, 264–359 (1982).
- [201] M. L. Tomber, "The history and methods of Lie-admissible algebras," *Hadronic Journal* **5**, 360–430 (1982).

- [202] G. M. Benkart, "The construction of examples of Lie-admissible algebras," *Hadronic Journal* **5**, 431–493 (1982).
- [203] Y. Ilamed, "On realizations of infinite-dimensional Lie-admissible algebras II," *Hadronic Journal* **5**, 494–500 (1982).
- [204] J. A. Kobussen, "Generalizations of the canonical transformation theory," *Hadronic Journal* **5**, 518–546 (1982).
- [205] R. H. Oehmke, "On the geometry of Lie-admissible algebras," *Hadronic Journal* **5**, 518–546 (1982).
- [206] S. Guiasu, "On stochastic evolution in non-conservative Statistical Mechanics," *Hadronic Journal* **5**, 547–576 (1982).
- [207] J. Fronteau, "Liouville's theorem as a link between different viewpoints," *Hadronic Journal* **5**, 577–592 (1982).
- [208] J. Salmon, "Le grandient du logarithme de la fonction de distribution et l'expérience," *Hadronic Journal* **5**, 593–637 (1982).
- [209] M. Grmela, "Field versus particle description in Statistical Mechanics," *Hadronic Journal* **5**, 638–658 (1982).
- [210] B. M. Barbashov and V. V. Nesterenko, "Exactly solvable nonlinear equations in the theory of the minimal surfaces," *Hadronic Journal* **5**, 659–678 (1982).
- [211] R. J. Slobodrian, "Tests of time symmetry: evidence of violation of time reversal invariance," *Hadronic Journal* **5**, 679–713 (1982).
- [212] H. E. Conzett, "Concerning tests of time-reversal invariance via the polarization-analyzing power equality," *Hadronic Journal* **5**, 714–728 (1982).
- [213] H. Rauch, "Test of quantum mechanics by neutron interferometer," *Hadronic Journal* **5**, 728–732 (1982).
- [214] A. Tellez-Arenas, "Short-range interactions and irreversibility in Statistical Mechanics," *Hadronic Journal* **5**, 733–749 (1982).
- [215] G. Eder, "Lie-admissible spin algebra for arbitrary spin and the interaction of neutrons with the electric field of atoms," *Hadronic Journal* **5**, 750–770 (1982).
- [216] H. C. Myung, "The exponentiation of deformations of Lie-admissible algebras," *Hadronic Journal* **5**, 771–903 (1982).
- [217] M. Osborn, "The Lie-admissible mutation $A(r, s)$ of an associative algebra A ," *Hadronic Journal* **5**, 904–930 (1982).
- [218] K. Husein, "Bifurcations, Instabilities and catastrophies associated with non-potential systems," *Hadronic Journal* **5**, 931–974 (1982).
- [219] Ji Sun, "Non-potential interactions and the origin of masses of elementary particles," *Hadronic Journal* **5**, 975–1000 (1982).

- [220] S. Twareque Ali, "Stochastic phase formulation and non-potential interactions," *Hadronic Journal* **5**, 1001–1022 (1982).
- [221] R. Trostel, "Geometrical treatment of non-potential interactions: The Exterior variational calculus, dynamical systems, physical 1-forms and variational selfadjointness," *Hadronic Journal* **5**, 1023–1119 (1982).
- [222] R. Mignani, "Nonpotential scattering theory and Lie-admissible algebras: time evolution operators and the S -matrix..." *Hadronic Journal* **5**, 1120–1139 (1982).
- [223] A. Schober, "Non-Euclidean and non-Desarguesian geometries for non-selfadjoint systems," *Hadronic Journal* **5**, 1140–1183 (1982).
- [224] C. Jung, "Some classical results in the theory of univalent functions," *Hadronic Journal* **5**, 1184–1193 (1982).
- [225] R. M. Santilli, "Foundations of the hadronic generalization of the atomic mechanics I: generalization of Heisenberg's and Schrodinger's representations," *Hadronic Journal* **5**, 1194–1276 (1982).
- [226] H. C. Myung and R. M. Santilli, "Foundations of the hadronic generalization of the atomic mechanics II: modular-isotopic Hilbert space formulation of the exterior strong problem," *Hadronic Journal* **5**, 1277–1366 (1982).
- [227] H. C. Myung and R. M. Santilli, "Foundations of the hadronic generalization of the atomic mechanics III: bimodular-genotopic Hilbert space formulation of the interior strong problem," *Hadronic Journal* **5**, 1367–1403 (1982).
- [228] E. Tonti, "A general solution of the inverse problem of the calculus of variations," *Hadronic Journal* **5**, 1404–1450 (1982).
- [229] J. A. Kobussen, "On symmetries and first integrals," *Hadronic Journal* **5**, 1451–1478 (1982).
- [230] R. W. Hasse and K. Albrecht, "On the foundation of damped nonlinear Schrodinger equations," *Hadronic Journal* **5**, 1479–1488 (1982).
- [231] J. G. Gilson, "The complex Schrodinger configuration plane and its relation to a 'classical' and real two dimensional representation for one dimensional quantum theory," *Hadronic Journal* **5**, 1489–1516 (1982).
- [232] Chuan-Xuan Jiang, "A unified theory of particle decay modes in electronic model," *Hadronic Journal* **5**, 1517–1528 (1982).
- [233] R. Trostel, "Gauge degrees of freedom of the Lie-admissible formulation of dynamical systems," *Hadronic Journal* **5**, 1529–1545 (1982).
- [234] A. A. Sagle, "Reductive Lie-admissible algebras applied to H -spaces and connections," *Hadronic Journal* **5**, 1546–1563 (1982).
- [235] S. Okubo, "Classification of flexible composition algebras, I," *Hadronic Journal* **5**, 1564–1612 (1982).
- [236] S. Okubo, "Classification of flexible composition algebras, II," *Hadronic Journal* **5**, 1613–1626 (1982).

- [237] S. Guiasu and J. Fronteau, "An Interpretation of fine' entropy from non-conservative Statistical Mechanics," *Hadronic Journal* **5**, 1627–1631 (1982).
- [238] V. K. Agrawala, "Commutativity of products for adjoint operators," *Hadronic Journal* **5**, 1632–1657(1982).
- [239] S. Okubo and H. C. Myung, "Note on commutativity of adjoint operator algebras," *Hadronic Journal* **5**, 1658–1666 (1982).
- [240] S. Okubo, "Schrodinger equation for non-associative quantum Mechanics and no-go theorem," *Hadronic Journal* **5**, 1667–1700 (1982).
- [241] G. P. Wene, "Subspace decompositions invariant under ade for Lie-admissible algebras," *Hadronic Journal* **5**, 1701–1716 (1982).
- [242] J. A. Brooke, W. Guz, and E. Prugovecki, "The reciprocity principle in Stochastic Quantum Mechanics," *Hadronic Journal* **5**, 1717–1733 (1982).
- [243] Y. Ilamed, "On extensions of Heisenberg's equations," *Hadronic Journal* **5**, 1734–1737 (1982).
- [244] W. H. Steeb, "Classical Mechanics and constants of motion," *Hadronic Journal* **5**, 1738–1747 (1982).
- [245] C. P. Bruter, "Interaction between conservative and gradient-like systems," *Hadronic Journal* **5**, 1748–1753 (1982).
- [246] Ji Sun, "Non-potential interaction and inseparable constituents of hadrons," *Hadronic Journal* **5**, 1754–1763 (1982).
- [247] A. O. E. Animalu, "Quark approach to Santilli's conjecture on hadronic structure on potential interaction and inseparable constituents of hadrons," *Hadronic Journal* **5**, 1764–1773 (1982).
- [248] M. Mijatovic, "The second virial coefficient of one dimensional gas," *Hadronic Journal* **5**, 1774–1780 (1982).
- [249] M. Sachs, "On the incompatibility of the quantum and relativity theories and a possible resolution," *Hadronic Journal* **5**, 1781–1801 (1982).
- [250] T. B. Man, "On the construction of the programmed motion," *Hadronic Journal* **5**, 1802–1811 (1982).
- [251] M. Banai, "A new approach to Quantum Field Theory and a spacetime quantization," *Hadronic Journal* **5**, 1812–1841 (1982).
- [252] P. Broadbridge, "Quantization, non-locality and Lie-admissible formulations," *Hadronic Journal* **5**, 1842–1858 (1982).
- [253] G. M. Benkart and J. M. Osborn, "Power-associative products on matrices," *Hadronic Journal* **5**, 1859–1892 (1982).
- [254] R. Trostel, "The Lie-admissible formulation of differential systems of even order," *Hadronic Journal* **5**, 1893–1900 (1982).

- [255] R. Broucke, "On the principle of least action; some possible generalizations of the Lie-admissible formulation of differential systems of even order," *Hadronic Journal* **5**, 1901–1922 (1982).
- [256] A. Jannussis, G. Brodimas, D. Sourlas, A. Streclas, P. Siafaricas, L. Papaloucas, and N. Tsangas, "Foundations of the Lie-admissible Fock space of the Hadronic Mechanics," *Hadronic Journal* **5**, 1923–1947 (1982).
- [257] A. J. Kalnay, "Lie-admissible structure of a quantized Nambu's generalized Hamiltonian dynamics," *Hadronic Journal* **6**, 1–30 (1983).
- [258] W. H. Steeb, "Embedding of nonlinear finite dimensional systems in linear infinite dimensional systems and bose operators," *Hadronic Journal* **6**, 68–76 (1983).
- [259] V. V. Dodonov, V. I. Man'ko, and Skarzhinsky, "Inverse variational problems and ambiguities of quantization for a particle in a magnetic field," *Hadronic Journal* **6**, 159–179 (1983).
- [260] M. Razavy, "Classical and quantum mechanical Hamiltonians for velocity-dependent forces," *Hadronic Journal* **6**, 406–439 (1983).
- [261] A. D. Jannussis, G. Brodimas, V. Papatheou, and H. Ioannidou, "Time-non-canonical mechanics," *Hadronic Journal* **6**, 623–649 (1983).
- [262] R. Trostel, "A class of integrating operators for some isotopic degrees of freedom of non-linear evolution equations," *Hadronic Journal* **6**, 650–698 (1983).
- [263] F. González-Gascón and F. González-López, "The inverse problem concerning the Poincaré symmetry for second order differential equations," *Hadronic Journal* **6**, 841–852 (1983).
- [264] M. Gasperini, "Elements for a Lie-isotopic gauge theory," *Hadronic Journal* **6**, 935–944 (1983).
- [265] P. Caldirola, "Dissipation in quantum theory (40 years of research)," *Hadronic Journal* **6**, 1400–1433 (1983).
- [266] A. Jannussis, G. Brodimas, V. Papatheou, G. Karayannis, P. Panagopoulos, and H. Ioannidou, "Lie-admissible unification of dissipative Schrodinger's equations," *Hadronic Journal* **6**, 1434–1461 (1983).
- [267] M. Gasperini, "Lie-isotopic lifting of gauge theorie," *Hadronic Journal* **6**, 1462–1479 (1983).
- [268] M. Nishioka, "Remarks on the coefficients of antisymmetric connection induced by the Lie-isotopic lifting of gauge theory," *Hadronic Journal* **6**, 1480–1508 (1983).
- [269] H. H. E. Leipholz, "On fundamental integrals for certain mechanical problems having non-selfadjoint differential equations" *Hadronic Journal* **6**, 1488–1508 (1983).
- [270] J. Śniatycki, "On gauge invariance and confinement," *Hadronic Journal* **6**, 1509–1517 (1983).

- [271] R. Trostel, "Generalized Grassmannian analysis, vector-valued differential forms on Banach spaces and generalized variational self-adjointness," *Hadronic Journal* **6**, 1518–1578 (1983).
- [272] Z. Oziewicz and W. Gruhn, "On Jacobi's theorem," *Hadronic Journal* **6**, 1579–1605 (1983).
- [273] M. Mijatović and B. Veljanovski, "Inverse Lie and Lie-admissible approaches to systems with velocity-dependent forces," *Hadronic Journal* **6**, 1606–1618 (1983).
- [274] R. Roy, "Experiments on time-asymmetry: The ${}^9\text{Be}({}^3\text{He}, p){}^{11}\text{B}$ reaction revisited," *Hadronic Journal* **6**, 1619–1640 (1983).
- [275] A. Jannussis, G. Brodimas, and H. Ioannidou, "Time non-canonical character of hadronic mechanics," *Hadronic Journal* **6**, 1641–1652 (1983).
- [276] A. Jannussis, G. Brodimas, D. Sourlas, K. Vlachos, P. Siafarikas, and L. Papaloucas, "Some properties of q -analysis and applications to non-canonical mechanics," *Hadronic Journal* **6**, 1653–1686 (1983).
- [277] W. H. Steeb, "Constants of motion in relativistic and non-relativistic classical mechanics," *Hadronic Journal* **6**, 1687–1692 (1983).
- [278] R. Ramirez, "Dynamics of non-holonomic systems of motion in relativistic and non-relativistic classical mechanics," *Hadronic Journal* **6**, 1693–1704 (1983).
- [279] A. Orlov and R. Ramirez, "On the construction of the potential function from a preassigned family of particular integrals," *Hadronic Journal* **6**, 1705–1710 (1983).
- [280] U. Bleyer and V. D. Skarzhinsky, "The inverse variational problem applied to Treder's tetras theory," *Hadronic Journal* **6**, 1711–1721 (1983).
- [281] M. Nishioka, "Gradient Weyl's gauge field and meron solution," *Hadronic Journal* **1**, 1722–1732 (1983).
- [282] I. A. Pedrosa and B. Baseia, "Dissipative systems and Bateman's Hamiltonian," *Hadronic Journal* **6**, 1733–1741 (1983).
- [283] J. A. de Wet, "Nuclei as bound states of protons and electrons," *Hadronic Journal* **6**, 1742–1770 (1983).
- [284] E. Recami, "Confinement from general relativity," *Hadronic Journal* **6**, 1771–1772 (1983).
- [285] E. Recami and W. A. Rodriguez, Jr., "Some applications of non-Hermitian operators in quantum mechanics and quantum field theory," *Hadronic Journal* **6**, 1773–1789 (1983).
- [286] Errata Corrigé: E. Recami and W. A. Rodriguez, Jr. and P. SMRZ, "Some applications of non-Hermitian operators in quantum mechanics and quantum field theory," *Hadronic Journal* **6**, 1773–1789 (1983). *Hadronic Journal* **7**, 648 (1984).
- [287] A. J. Kálnay, "Why Nambu mechanics?" *Hadronic Journal* **6**, 1790–1797 (1983).

- [288] A. J. Kálnay and R. M. Santilli, "Heuristic approach to symmetries and conserved quantities of classical and quantum versions of Nambu's generalized mechanics," *Hadronic Journal* **6**, 1798–1840 (1983).
- [289] Ji Sun, "Masses of stable baryons," *Hadronic Journal* **6**, 1841–1865 (1983).
- [290] H. H. Denman, "Time-translation invariance in damped wave equation," *Hadronic Journal* **6**, 1866–1872 (1983).
- [291] R. Mignani, H. C. Myung and R. M. Santilli, "Foundations of hadronic mechanics via an isotopic lifting of Dirac's formulation of quantum mechanics," *Hadronic Journal* **6**, 1873–1950 (1983).
- [292] M. Gasperini, "From Lie-admissible algebra to nonsymmetric gravity," *Hadronic Journal* **7**, 234–239 (1984).
- [293] H. Yilmaz, "Problematic aspects of general relativity for planetary orbits," *Hadronic Journal* **7**, 1–61 (1984).
- [294] R. H. Oehmke, "The geometry of Lie-admissible algebras II," *Hadronic Journal* **7**, 62–75 (1984).
- [295] H. C. Myung, "A generalization of Hermetian and unitary operators in a Hilbert space geometry of Lie-admissible algebras II," *Hadronic Journal* **7**, 76–87 (1984).
- [296] W. A. Rodrigues, Jr., "Is Lorentz invariance an exact symmetry of nature?" *Hadronic Journal* **7**, 436–455 (1984).
- [297] W. A. Rodrigues, Jr., "Is Lorentz invariance an exact symmetry of nature?" *Hadronic Journal* **7**, 436–455 (1984).
- [298] M. Gasperini, "On the geometrical structure of a Lie-isotopic gravity," *Hadronic Journal* **7**, 650–658 (1984).
- [299] A. Tellez-Arenas, "A kinetic equation for short range interactions," *Hadronic Journal* **7**, 659–676 (1984).
- [300] A. Jannussis, P. Filippakis, and T. Filippakis, "Quantum theory in phase space and applications to dissipative systems," *Hadronic Journal* **7**, 677–707 (1984).
- [301] J. Fronteau and P. Combis, "A Lie-admissible integration of Fock-Planck equations with non-linear coefficients (exact and numerical solution)," *Hadronic Journal* **7**, 911–930 (1984).
- [302] H. C. Myung, "An isotensor product of isohilbert spaces," *Hadronic Journal* **7**, 931–947 (1984).
- [303] A. Jannus and D. Vavougiou, "Some aspects of perturbation theory in hadronic mechanics and the hadronic anharmonic oscillator," *Hadronic Journal* **7**, 947–971 (1984).
- [304] M. Gasperini, "Gravitation and Lie-admissible algebra," *Hadronic Journal* **7**, 971–1018 (1984).
- [305] R. Trostel, "Color-admissible algebra," *Hadronic Journal* **7**, 1019–1057 (1984).

- [306] G. Yu. Bogoslovsky, "On the gauge invariance of the observables in the general relativistic theory of the locally anisotropic space-time," *Hadronic Journal* **7**, 1078–1117 (1984).
- [307] Yi-Fang Changu, "High energy behaviour of particles and unified systems," *Hadronic Journal* **7**, 1118–1133 (1984).
- [308] R. O. R. Inostroza, "Dynamics of non holonomics systems," *Hadronic Journal* **7**, 1134–1157 (1984).
- [309] M. Nishioka, "Yukawa's nonlocal field theory from a viewpoint of the Lie-admissible approach," *Hadronic Journal* **7**, 1158–1163 (1984).
- [310] H. Yilmaz, "Gravitation: field theory par excellence Newton, Einstein, and beyond," *Hadronic Journal* **7**, 1164–1206 (1984).
- [311] M. Mijatovic, B. Veljanoski, and D. Hajdukovic, "Gravitation: field theory par excellence Newton, Einstein, and beyond," *Hadronic Journal* **7**, 1207–1223 (1984).
- [312] T. L. Gill, "A stochastic Lie-isotopic approach to the foundation of classical electrodynamics," *Hadronic Journal* **7**, 1224–1256 (1984).
- [313] A. A. Sagle, "Nonassociative algebras and invariant mechanical systems, I," *Hadronic Journal* **7**, 1259–1302 (1984).
- [314] Ji Sun, "On the origin of isotopic and strangeness," *Hadronic Journal* **7**, 1303–1320 (1984).
- [315] A. Italiano, M. Lattauada, G. D. Maccarrone, E. Recami, F. Riggi, and D. Vinciguerra, "On the origin of isotopic and strangeness," *Hadronic Journal* **7**, 1321–1330 (1984).
- [316] R. H. Oehmke, "On idempotent decompositions," *Hadronic Journal* **7**, 1331–1341 (1984).
- [317] G. Karayannis, A. Jannussis, and L. Papaloucas, "New gauge transformations for quantum dissipative systems and the Lie-isotopic theory," *Hadronic Journal* **7**, 1342–1360 (1984).
- [318] G. Yu. Bogoslovsky, "A generalization of Einstein's relativity theory for the anisotropic space-time," *Hadronic Journal* **7**, 1361–1408 (1984).
- [319] R. Trostel, "Color-analysis and generalized Fock space," *Hadronic Journal* **7**, 1409–1449 (1984).
- [320] B. A. Kupershmidt, "Cylindrical reduction of continuous dynamical systems," *Hadronic Journal* **7**, 1450–1468 (1984).
- [321] Yi-Fang Chang, "Some possible tests of the inapplicability of Pauli's exclusion principle," *Hadronic Journal* **7**, 1469–1473 (1984).
- [322] A. O. E. Animalu, "Possible identification of quarks with leptons in Lie-isotopic $SU(3)$ theory," *Hadronic Journal* **7**, 1474–1505 (1984).

- [323] M. Nishioka, “Note on the Lie-admissible lifting of the commutation relations and the introduction of a fundamental length,” *Hadronic Journal* **7**, 1506–1514 (1984).
- [324] A. Jannussis, P. Filippakis, T. Filippakis, V. Papatheou, and A. Leodaris, P. Siafarikas, V. Zisis, N. Tsangasas, “Damped and coupled oscillators,” *Hadronic Journal* **7**, 1515–1534 (1984).
- [325] F. Cardone, “Numerical algebra and quark model,” *Hadronic Journal* **7**, 1535–1545 (1984).
- [326] F. González-Gascón and A. González-López, “Some physical results underlying a geometric theorem of Palais,” *Hadronic Journal* **7**, 1546–1583 (1984).
- [327] G. Dattoli, R. Mignani, and A. Torre, “An introductory view about Raman-Nath-type equations,” *Hadronic Journal* **7**, 1584–1621 (1984).
- [328] J. A. de Wet, “Non-potential nuclear forces and mutation algebra,” *Hadronic Journal* **7**, 1622–1635 (1984).
- [329] M. Nishioka, “Some realizations of hadronic mechanics,” *Hadronic Journal* **7**, 1636–1679 (1984).
- [330] R. M. Santilli, “Use of hadronic mechanics for the possible regaining to the exact space-reflection symmetry in weak interactions,” *Hadronic Journal* **7**, 1680–1685 (1984).
- [331] S. Roy, “Lie isotopic lifting, stochastic space-time and the Helmholtz-Lie space problems,” *Hadronic Journal* **7**, 1686–1705 (1984).
- [332] P. Bandyopadhyay, “Extended conformal group, geometrical origin of the internal symmetry of hadrons and grand unification of elementary particle interactions,” *Hadronic Journal* **7**, 1706–1742 (1984).
- [333] P. Bandyopadhyay and S. Roy, “Spin in large pT^2 proton-proton scattering and the anisotropy of microlocal space-time,” *Hadronic Journal* **7**, 1743–1749 (1984).
- [334] R. M. Santilli, “Lie-isotopic liftings of Lie symmetries I. General Considerations,” *Hadronic Journal* **8**, 25–35 (1985).
- [335] R. M. Santilli, “Lie-isotopic liftings of Lie symmetries II. Liftings of rotations,” *Hadronic Journal* **8**, 36–51(1985).
- [336] M. Gasperini, “Lie-isotopic gravity with matter: An effective theory of gravity for testing local Lorentz symmetry,” *Hadronic Journal* **8**, 52–59 (1985).
- [337] G. P. Wene, “Comments on the geometry of Lie algebras and Lie-homotopic algebras,” *Hadronic Journal* **8**, 63–74 (1985).
- [338] E. Kapuscik, “Quantum mechanics with quantum time,” *Hadronic Journal* **8**, 75–80 (1985).
- [339] R. Mignani, “Towards a nonpotential scattering theory,” *Hadronic Journal* **8**, 121–142 (1985).

- [340] R. Trostel, "Color analysis and generalized Lie (super) groups," *Hadronic Journal* **8**, 159–162 (1985).
- [341] Y. Mizobuchi, "New theory of space-time and gravitation — Yilmaz's approach," *Hadronic Journal* **8**, 193–220 (1985).
- [342] Y. Mizobuchi, "Erratum : New theory of space-time and gravitation — Yilmaz's approach," *Hadronic Journal* **9**, 191 (1986).
- [343] M. Muraskin, "Aesthetic fields without integrability," *Hadronic Journal* **8**, 279–286 (1985).
- [344] M. Muraskin, "More aesthetic field theory," *Hadronic Journal* **8**, 287–293 (1985).
- [345] L. Vazquez and F. Ferrini, "A generalization of the Planck distribution law for particles with mass," *Hadronic Journal* **8**, 321–326 (1985).
- [346] M. Nishioka, "An application of the Lie-isotopic lifting of the canonical communication relations to gauge theory," *Hadronic Journal* **8**, 331–333 (1985).
- [347] A. Italiano, "How to recover causality in general relativity," *Hadronic Journal* **9**, 9–12 (1986).
- [348] U. Bruzzo, "Geometry of rigid supersymmetry," *Hadronic Journal* **9**, 25–30 (1986).
- [349] H. Yilmaz, "Dynamics of curved spaces," *Hadronic Journal* **9**, 55–60 (1986).
- [350] A. O. E. Animalu, "Relativistic hadronic mechanics of extended deformable particles," *Hadronic Journal* **9**, 61–76 (1986).
- [351] M. Nishioka, "A generalization of the Einstein-Maxwell system," *Hadronic Journal* **9**, 87–89 (1986).
- [352] L. I. Gould, "Connection between nonlocal equations of motion and their balance laws," *Hadronic Journal* **9**, 91–94 (1986).
- [353] L. Chatterjee and S. Bhattacharyya, "Nonnull probability of quark tunneling: A quantum-mechanical probe," *Hadronic Journal* **9**, 95–96 (1986).
- [354] R. Mignani, "Multichannel nonpotential scattering theory," *Hadronic Journal* **9**, 103–111 (1986).
- [355] H. Aspden, "The theoretical nature of the neutron and the deuteron," *Hadronic Journal* **9**, 129–136 (1986).
- [356] A. G. Fellouris, "Graded Lie-admissibility of a 2×2 matrix algebra," *Hadronic Journal* **9**, 159–164 (1986).
- [357] G. L. Strobel, "Hyperspherical reduction of the single-time three-body Dirac equation," *Hadronic Journal* **9**, 181–189 (1986).
- [358] G. Arcidiacono, "The general projective relativity and the vector-tensor gravitational field," *Hadronic Journal* **9**, 197–198 (1986).
- [359] P. F. González-Díaz, "Lie-admissible structure of small-distance quantum cosmology," *Hadronic Journal* **9**, 199–201 (1986).

- [360] G. Karayannis and A. Jannnussis, "Lie-isotopic lifting of conventional Lagrangian densities for some field models," *Hadronic Journal* **9**, 203–207 (1986).
- [361] E. Kupczynski, "Scattering of extended hadrons and time-reversal invariance," *Hadronic Journal* **9**, 215–218 (1986).
- [362] A. Jannnussis and D. Vavougiios, "The noncanonical harmonic and anharmonic oscillator in high-energy physics," *Hadronic Journal* **9**, 223–231 (1986).
- [363] H. Yilmaz, "Present status of gravity theories," *Hadronic Journal* **9**, 233–238 (1986).
- [364] E. Wall, "On tachyons and hadrons," *Hadronic Journal* **9**, 239–257 (1986).
- [365] E. Wall, "Unresolved problems of the tachyonic models of the electron and the muon," *Hadronic Journal* **9**, 263–271 (1986).
- [366] H. Yilmaz, "New direction in gravity theory," *Hadronic Journal* **9**, 281–290 (1986).
- [367] A. Chaljub-Simon and J. Fronteau, "Quasi-differential systems associated to some equations of evolution," *Hadronic Journal* **9**, 291–300 (1986).
- [368] D. L. Rapoport Campodonico and M. Tilli, "Correlation, metrodes, and Feynman integrals," *Hadronic Journal* **10**, 25–34 (1987).
- [369] H. C. Myung and A. A. Sagle, "On Lie-admissible mutations of associative algebras," *Hadronic Journal* **10**, 35–51 (1987).
- [370] B. Veljanoski and A. Jannussi, "Quantum probabilities in open dissipative systems: A Lie-admissible formulation," *Hadronic Journal* **10**, 53–57 (1987).
- [371] C. I. Mocanu, "Hertzian alternative to the special theory of relativity. I. Qualitative analysis of Maxwell's equations for motionless media," *Hadronic Journal* **10**, 61–74 (1987).
- [372] C. I. Mocanu, "Erratum: Hertzian alternative to the special theory of relativity. I," *Hadronic Journal* **10**, 367 (1987).
- [373] A. Jannussi and D. Vavougiios, "New creation and annihilation operators as linear combinations of Bose and Fermi operators," *Hadronic Journal* **10**, 75–78 (1987).
- [374] M. L. Espindola, O. Espindola and N. L. Teizeira, "Field theory Hamiltonization as a twofold procedure," *Hadronic Journal* **10**, 83–86 (1987).
- [375] G. Arcidiacon, "The general projective relativity and the scalar-tensor gravitational field," *Hadronic Journal* **10**, 87–89 (1987).
- [376] D. Sourlas and B. Veljanoski, "Heisenberg's equations of motion for the Caldirola-Montaldi Procedure: An oscillatory case," *Hadronic Journal* **10**, 103–108 (1987).
- [377] N. Salingaros, "An alternate description of the reversed-field toroidal plasma pinch and prediction of the critical parameter," *Hadronic Journal* **10**, 109–116 (1987).
- [378] C. Wolf, "The quasistability of super heavy atoms," *Hadronic Journal* **10**, 141–143 (1987).

- [379] P. Graneau Wolf, "Inertia, gravitation and radiation time delays," *Hadronic Journal* **10**, 145–148 (1987).
- [380] C. I. Mocanu, "Hertzian alternative to the special theory of relativity. II. Qualitative analysis of Maxwell-Herz and Einstein-Minkowski equations," *Hadronic Journal* **10**, 153–166 (1987).
- [381] M. Razavy, "Quantum mechanical formulation of dissipative systems and the minimal coupling rule," *Hadronic Journal* **10**, 173–180 (1987).
- [382] B. Veljanoski and A. Jannussis, "Damped harmonic oscillator with complex coefficient of friction," *Hadronic Journal* **10**, 193–197 (1987).
- [383] D. Sourlas and D. Vavougiou, "Some remarks on the noncanonical harmonic oscillator," *Hadronic Journal* **10**, 209–211 (1987).
- [384] C. I. Mocanu, "Hertzian alternative to the special theory of relativity. III. Iterative system of equations and transformation formulae for electromagnetic quantities," *Hadronic Journal* **10**, 231–247 (1987).
- [385] M. Nishioka, "Isotopic lifting of a Riemannian space-time," *Hadronic Journal* **10**, 253–254 (1987).
- [386] M. Nishioka, "Note on the Lie-isotopic lifting of gauge theory," *Hadronic Journal* **10**, 255–256 (1987).
- [387] M. Nishioka, "A note on q-algebra treatment of Bose operators," *Hadronic Journal* **10**, 291–293 (1987).
- [388] M. Nishioka, "Remarks on Mignani's nonpotential scattering theory," *Hadronic Journal* **10**, 295–298 (1987).
- [389] M. Nishioka, "Some connections between field theory and Mignani's nonpotential scattering theory," *Hadronic Journal* **10**, 309–313 (1987).
- [390] A. O. E. Animalu, "Lie-admissible approach to extended relativity'. I. Nonlinear velocity, mass, and charge transformations," *Hadronic Journal* **10**, 321–330 (1987).
- [391] C. I. Mocanu, "Erratum: Hertzian alternative to the special theory of relativity. I," *Hadronic Journal* **10**, 367 (1987).
- [392] A. Jannussis and I. Tsohantjis, "Review of recent studies on the Lie-admissible approach to quantum gravity," *Hadronic Journal* **11**, 1–8 (1988).
- [393] C. I. Mocanu, "Hertzian alternative to the special theory of relativity. IV. Kinematic analysis of the iterative process," *Hadronic Journal* **11**, 55–69 (1988).
- [394] M. Nishioka, "A simple model of isonorms and of the Lie-admissible lifting of commutation relations," *Hadronic Journal* **11**, 71–73 (1988).
- [395] E.-B. Lin, "Hadronic quantization," *Hadronic Journal* **11**, 81–83 (1988).
- [396] M. Nishioka, "Remarks on the Lie-isotopic lifting of the continuity equations," *Hadronic Journal* **11**, 97–99 (1988).

- [397] C.-X. Jiang, "Nonlinear dynamics in Santilli's electronic model of hadronic structure." *Hadronic Journal* **11**, 125–142 (1988).
- [398] M. Nishioka, "Noncanonical commutation relations and Jacobi's identity." *Hadronic Journal* **11**, 143–146 (1988).
- [399] H. Aspden, "The theory of the proton constants," *Hadronic Journal* **11**, 169–176 (1988).
- [400] R. B. Driscoll, "Comments on the paper 'Gravitational lift via the Coriolis force' by Leon R. Dragone," *Hadronic Journal* **11**, 177 (1988).
- [401] H. Yilmaz, "On the new theory of gravitation," *Hadronic Journal* **11**, 179–182 (1988).
- [402] R. Ramirez, N. Sadovskaia and R. L. Avis, "On the Korteweg-de Vries equations," *Hadronic Journal* **11**, 211–220 (1988).
- [403] C. Wolf, "A new approach to the K0, K0 system using discrete quantum mechanics and explicit T violation," *Hadronic Journal* **11**, 227–229 (1988).
- [404] V. M. Savchin, "A possible generalization of the field-theoretical Hamilton's equation," *Hadronic Journal* **11**, 279–286 (1988).
- [405] H. Aspden, "Instantaneous electrodynamic potential with retarded energy transfer," *Hadronic Journal* **11**, 307–313 (1988).
- [406] R. V. Konoplich, "The Casimir effect with nontrivial field configurations," *Hadronic Journal* **11**, 19–24 (1988).
- [407] A. K. Aringazin, "Lie-isotopic Finslerian lifting of the Lorentz group and Blokhintsev-Redei-like behavior of the meson lifetimes and of the parameters of the K0, K0 system," *Hadronic Journal* **12**, 71–74 (1989).
- [408] M. Kovalyov, "Strong interactions in hyperbolic geometry," *Hadronic Journal* **12**, 227–229 (1989).
- [409] R. Mignani, "Nonpotential scattering for the density matrix and quantum gravity," *Hadronic Journal* **12**, 167–170 (1989).
- [410] R. Ramirez and R. Martinez, "Lyra spaces. Their application to mechanics," *Hadronic Journal* **12**, 223–236 (1989).
- [411] C. Y. Lo, "The cylindrical condition and Einstein-Bergman theory," *Hadronic Journal* **12**, 275–277 (1989).
- [412] C. Wolf, "Probing the possible composite structure of leptons through discrete-time effects," *Hadronic Journal* **13**, 22–29 (1990).
- [413] V. S. Gurin and A. P. Trofimenko Wolf, "Higher-dimensional space-time and the causality problem connected with tachyons," *Hadronic Journal* **13**, 57–67 (1990).
- [414] F. Cardone, "On the low energy spectrum of tritium beta decay," *Hadronic Journal* **13**, 125–132 (1990).

- [415] A. K. Aringazin, "Pauli's principle in the exterior branch of hadronic mechanics," *Hadronic Journal* **13**, 165–181 (1990).
- [416] M. Nishioka, "Note on supersymmetric quantum mechanics," *Hadronic Journal* **13**, 241–247 (1990).
- [417] A. K. Aringazin, "Supersymmetric hadronic mechanical harmonic oscillator," *Hadronic Journal* **13**, 263–276 (1990).
- [418] E. Trel, "Geometrical reproduction of (u, d, s) baryon, meson and lepton transformation symmetries, mass relations and channel supersymmetric hadronic mechanical harmonic oscillator," *Hadronic Journal* **13**, 277–297 (1990).
- [419] V. N. Strel'tsov, "Anisotropic space-time," *Hadronic Journal* **13**, 299–316 (1990).
- [420] W. A. Rodrigues, "The exponential of the generators of the Lorentz group and the solution of the Lorentz force equation," *Hadronic Journal* **13**, 317–323 (1990).
- [421] D. P. Allen, "Aspden's early law of electrodynamics," *Hadronic Journal* **13**, 355–360 (1990).
- [422] L. Chatterjee, "Moun sticking revisited," *Hadronic Journal* **13**, 361–373 (1990).
- [423] A. Jannussis, D. Skaltsas and G. Brodimas, "Lie-admissible complex time and its applications to quantum gravity," *Hadronic Journal* **13**, 399–413 (1990).
- [424] A. Jannussis, "Lie-admissible complex time model and relativity theorem," *Hadronic Journal* **13**, 425–434 (1990).
- [425] A. Jannussis, E. Vlahos, D. Skaltsas, G. S. Kliros and V. Bartzis, "Coherent and squeezed states in the presence of magnetic field," *Hadronic Journal* **13**, 435–440 (1990).
- [426] R. M. Santilli, "Apparent consistency of Rutherford's hypothesis of the neutron as a compressed hydrogen atom," *Hadronic Journal* **13**, 513–531 (1990).
- [427] R. M. Santilli, "On a conceivable feasibility of the 'DEATH RAY'," *Hadronic Journal* **13**, 540–555 (1990).
- [428] E. B. Manoukian, "Spacetime formulation of closed-time path of field theory for multi particle states," *Hadronic Journal* **14**, 1–7 (1991).
- [429] A. Osman, M. Zaky and M. A. Allam, "Hyperspherical treatment of the three nucleon systems with soft core potentials," *Hadronic Journal* **14**, 49–77 (1991).
- [430] A. Horzela, E. Kapusci, and J. Kempczyński, "On the new notion of mass in classical mechanics," *Hadronic Journal* **14**, 79–84 (1991).
- [431] G. Arcidiacono and E. Capelas de Oliveira, "The generalized Laplace equation in special projective relativity," *Hadronic Journal* **14**, 137–141 (1991).
- [432] A. Jannussis, "Quantum group and Lie-admissible Q -algebra," *Hadronic Journal* **14**, 257–275 (1991).

- [433] A. Jannussis, G. Brodimas, and S. Bascoutas, "Lie-admissible Q -algebra and the Pauli exclusion principle," *Hadronic Journal* **14**, 277–289 (1991).
- [434] G. Arcidiacono and E. C. de Oliveira, "The generalized d'Alembert equation in special projective relativity," *Hadronic Journal* **14**, 353–359 (1991).
- [435] A. Nakamura and K. Shiraishi, "Born-Infeld monopoles and instantons," *Hadronic Journal* **14**, 369–375 (1991).
- [436] B. S. Neganov, "On the principle of relativity and its violation in the case of a spin precession of moving charged particles," *Hadronic Journal* **14**, 369–394 (1991).
- [437] G. Kar and S. Roy, "Modification of the Lorentz metric within the hadronic structure and the random zero-point field," *Hadronic Journal* **14**, 431–440 (1991).
- [438] A. O. E. Animalu, "Application of hadronic mechanics to the theory of pairing in high Tc superconductors," *Hadronic Journal* **14**, 459–499 (1991).
- [439] L. Fonseca and L. A. Amarante Ribeiro, "Noncanonical angular momentum operators," *Hadronic Journal* **14**, 517–529 (1991).
- [440] A. K. Aringazin, "Lie-isotopic approach to a new hadronization model," *Hadronic Journal* **14**, 531–539 (1991).
- [441] R. M. Santilli, "Nonlocal formulation of the Bose-Einstein correlation within the context of hadronic mechanics, Part 1," *Hadronic Journal* **15**, 1–50 (1992).
- [442] E. Kapuścik and A. Horzela, "Classical mechanics of confined particles," *Hadronic Journal* **15**, 61–70 (1992).
- [443] R. M. Santilli, "Nonlocal formulation of the Bose-Einstein correlation within the context of hadronic mechanics, Part II," *Hadronic Journal* **15**, 77–134 (1992).
- [444] C. Wolf, "Space, mutated spin correlation induced by a non-local discrete time quantum theory," *Hadronic Journal* **15**, 149–161 (1992).
- [445] H. Q. Placido, R. Bunchaht, and A. E. Santana, "On the Quantization of generalized Hamiltonian dynamics," *Hadronic Journal* **15**, 225–238 (1992).
- [446] A. Dall'olio, "Experimental evidence on the emission of neutrons from cold hydrogen plasma," *Hadronic Journal* **15**, 239–251 (1992).
- [447] E. B. Manuokian, "Quantum field theory of reflection of light," *Hadronic Journal* **15**, 253–265 (1992).
- [448] M. Molski, "Extended class of particles with unusual properties," *Hadronic Journal* **15**, 275–282 (1992).
- [449] O. Espindola, "Hamiltonian compatibility versus Hamiltonian equivalence," *Hadronic Journal* **15**, 283–302 (1992).
- [450] V. S. Gurin and A. P. Trofimenko, "Extended relativity and possible existence of electromagnetic waves of different type," *Hadronic Journal* **15**, 333–341 (1992).

- [451] A. A. Logunov, "The basic principles of the relativistic theory of gravitation," *Hadronic Journal* **15**, 407–429 (1992).
- [452] D. F. Lopez, "Confirmation of Logunov's relativistic gravitation via Santilli's isoriemannian geometry," *Hadronic Journal* **15**, 431–450 (1992).
- [453] F. González Gascon, "Another method of finding first integrals of three-dimensional dynamical systems by quadrature," *Hadronic Journal* **15**, 471–473 (1992).
- [454] A. Abbas, "A new consistency constraint on the validity of grand unified theories," *Hadronic Journal* **15**, 475–480 (1992).
- [455] E. P. Yukalova and V. I. Yukalov, "Statistical approach to deconfinement in pure gauge models," *Hadronic Journal* **16**, 1–36 (1993).
- [456] E. B. Manoukian, "Model independent dynamical treatment of reflection of light," *Hadronic Journal* **16**, 81–88 (1993).
- [457] R. M. Santilli, "A characterization of isofields and their isoduals," *Hadronic Journal* **16**, 169–186 (1993).
- [458] K. Trencovski, "The Aharonov-Bohm effect and classical potentials," *Hadronic Journal* **16**, 187–194 (1993).
- [459] A. K. Aringazin, "Some remarks on Lie-isotopic lifting of Minkowski metric," *Hadronic Journal* **16**, 195–206 (1993).
- [460] M. Molski, "Ancient cosmological tachyons in the present day world," *Hadronic Journal* **16**, 207–215 (1993).
- [461] E. P. Yukalova and V. I. Yukalov, "Statistical approach to deconfinement in pure gauge models," *Hadronic Journal* **16**, 1–36 (1993).
- [462] D. F. Lopez, "Problematic aspects of q -deformations and their isotopic resolution," *Hadronic Journal* **16**, 429–458 (1993).
- [463] V. R. Gavrilov, "Zeldovich matter in seven-dimensional generalized Friedman-Robertson-Walker model," *Hadronic Journal* **16**, 469–478 (1993).
- [464] R. F. Wehrhahn and D. Vranceanu, " Q -deformation and annihilation tensors for the two parameters deformation of $U(su(2))$," *Hadronic Journal* **16**, 357–384 (1993).
- [465] A. K. Aringazin, "Supersymmetry properties of Birkhoffian Mechanics," *Hadronic Journal* **16**, 385–409 (1993).
- [466] A. O. E. Animalu, "Isominskowskian theory of Cooper pairs in superconductivity," *Hadronic Journal* **16**, 411–421 (1993).
- [467] L. Ntibashirakandi and D. K. Callebaut, "Supersymmetric hadronic mechanics and procedures for isosupersymmetrization," *Hadronic Journal* **17**, 1–13 (1994).
- [468] G. Lazzari and F. de Blasio, "Hadronic superfluidity in the inner crust of neutron stars from an effective force," *Hadronic Journal* **17**, 15–29 (1994).

- [469] V. N. Strel'tsov, "Some problems of relativistic electrodynamics," *Hadronic Journal* **17**, 73–86 (1994).
- [470] V. N. Strel'tsov, "The question is: are fast moving scales contracted or elongated" *Hadronic Journal* **17**, 105–114 (1994).
- [471] A. Horzela, E. Kapuscik and J. Kempczynski, "On the Galilian covariance classical mechanics," *Hadronic Journal* **17**, 169–205 (1994).
- [472] R. M. Santilli, "Antigravity," *Hadronic Journal* **17**, 257–2849 (1994).
- [473] R. M. Santilli, "Space-time machine," *Hadronic Journal* **17**, 285–310 (1994).
- [474] R. M. Santilli, "Hadronic energy," *Hadronic Journal* **17**, 311–348 (1994).
- [475] A. O. E. "Isosuperconductivity: A nonlocal-nonhamiltonian theory of pairing in high-Tc superconductors," *Hadronic Journal* **17**, 349–427 (1994).
- [476] A. K. Aringazin, K. M. Aringazin and V. Arkhip, "BRST symmetry in cohomological Hamiltonian mechanics," *Hadronic Journal* **17**, 429–439 (1994).
- [477] T. L. Gill, W. W. Zachary, M. F. Mahmood, and J. Lindesay, "Proper time relativistic dynamics and a resolution of the no-interaction problem," *Hadronic Journal* **17**, 449–471 (1994).
- [478] G. Arcidiacono, "The Fantappié group and cosmology," *Hadronic Journal* **17**, 473–482 (1994).
- [479] E. B. Manoukian and C. C. Caramanlian, "Particle correlation and jet-like production from a Nambu string," *Hadronic Journal* **17**, 525–532 (1994).
- [480] P. Helde and P. Kuusk, "A simple mathematical model for nonrelativistic space-time," *Hadronic Journal* **17**, 593–601 (1994).
- [481] G. G. Likhachev and A. I. Studenikin, "Neutrino oscillations in magnetic fields of the sun, supernovae and neutron stars," *Hadronic Journal* **18**, 1–14 (1995).
- [482] A. V. Sidorov and L. G. Zastavenko, "Perturbative theory of a gap for many-body Hamiltonians with pair interaction," *Hadronic Journal* **18**, 29–43 (1995).
- [483] C. I. Mocanu, A. M. Morega and M. Morega, "On the difficulties of the Thomas-Wigner rotation," *Hadronic Journal* **18**, 63–96 (1995).
- [484] R. B. Driscoll, "Externally induced beta decay of the deuteron and other nuclei," *Hadronic Journal* **18**, 195–208 (1995).
- [485] M. Muraskin, "Techniques for nonintegrable systems," *Hadronic Journal* **18**, 209–235 (1995).
- [486] I. B. Seftelis, S. X. Trasanidis, G. C. Bakos, I. Kappos, K. N. Tarchanidis, and N. F. Tsagas, "Variations of gross alpha, beta air radioactivity correlated with air temperature and humidity," *Hadronic Journal* **18**, 237–244 (1995).
- [487] A. K. Aringazin, D. A. Kirukin and R. M. Santilli, "Nonpotential two-body elastic scattering problem," *Hadronic Journal* **18**, 245–255 (1995).

- [488] A. K. Aringazin, D. A. Kirukin and R. M. Santilli, "Nonpotential elastic scattering of spinning particles," *Hadronic Journal* **18**, 257–269 (1995).
- [489] T. Assis and P. Graneau, "The reality of newtonian forces of inertia," *Hadronic Journal* **18**, 271–289 (1995).
- [490] H. Q. Plácido and A. E. Santana, "On Lie-Santilli algebraic aspects of generalized Hamiltonian dynamics: Application to Nambu Mechanics and Vlasov Equation," *Hadronic Journal* **18**, 319–399 (1995).
- [491] B. K. Das, "Some nonrelativistic aspects in the bound state systems of 2B2B and 3B3B," *Hadronic Journal* **18**, 403–432 (1995).
- [492] V. S. Barashenkov and M. Z. Yur'iev, "Tachyons: Difficulties and hopes," *Hadronic Journal* **18**, 440–485 (1995).
- [493] D. Skaltsas, A. Jannussis, and H. Ioannidou, "Extention of Lie to Lie-admissible algebras for the description of open quantum systems," *Hadronic Journal* **18**, 493–508 (1995).
- [494] G. Spavieri, R. Becerra, and L. Nieves, "Semiclassical interpretation of the Aharonov-Bohm quantum effects," *Hadronic Journal* **18**, 509–523 (1995).
- [495] D. Gosh, D. Halder, and S. Halder, " Q -analogue of Dennison formula," *Hadronic Journal* **18**, 585–597 (1995).
- [496] H. E. Wilhelm, "Physical problematics of Einstein's relativity theories," *Hadronic Journal* **19**, 1–39 (1996).
- [497] R. M. Santilli, "Limits of applicability of the special and genral relativities," *Hadronic Journal* **19**, 41–66 (1996).
- [498] A. Logunov, "On the article by Henri Poincaré," *Hadronic Journal* **19**, 109–183 (1996).
- [499] A. A. Tyapkin, "On the history of the special relativity concept," *Hadronic Journal* **19**, 185–203 (1996).
- [500] Y. Arestov, "An advantage of asymmetric $e^+ e^-$ colliders with polarized beams in verification of the Minkowskian geometry in the interior of hadrons," *Hadronic Journal* **19**, 205–203 (1996).
- [501] P. Cornille, "Does the ether exist?" *Hadronic Journal* **19**, 215–237 (1996).
- [502] A. O. E. Animalu, "Lie-Santilli isoapproach to the unification of gravity and electromagnetism," *Hadronic Journal* **19**, 255–272 (1996).
- [503] A. S. Rabinowitch, "On the anomalous magnetic moment of nucleons," *Hadronic Journal* **19**, 375–384 (1996).
- [504] M. Borneas and Cristeas, "A Lagrangian formalism for extended supersymmetry equations," *Hadronic Journal* **19**, 465–472 (1996).

- [505] G. Spavieri and R. Angulo Becerra, "Derivation of the quantum effects of the Aharonov-Bohm type from the classical Hamilton-Jacobi theory," *Hadronic Journal* **19**, 493–503 (1996).
- [506] A. Jannussis, "Lie-admissible structure of Caldi's model," *Hadronic Journal* **19**, 535–541 (1996).
- [507] J. Dunning-Davies, "Questions concerning relativity theory and some of its applications," *Hadronic Journal* **19**, 543–560 (1996).
- [508] E. M. Rabei, "On Hamiltonian systems with constraints," *Hadronic Journal* **19**, 597–617 (1996).
- [509] D. G. Koukoulis, "The magnetic helicity," *Hadronic Journal* **20**, 65–71 (1997).
- [510] A. Motoyoshi, T. Ogura, K. Yamaguchi, T. Yoneda, and G. Koukoulis, "The magnetic helicity," *Hadronic Journal* **20**, 117–130 (1997).
- [511] A. Nesterov and L. V. Sabinin, "Smooth loops and Thomas precession," *Hadronic Journal* **20**, 219–233 (1997).
- [512] I. M. Matora, "Some properties of elementary semilocal quantized ring-particles," *Hadronic Journal* **20**, 267–281 (1997).
- [513] R. B. Driscoll, "Studies on Santilli's induced beta decay and electron capture for isotopes with $35 < A < 210$," *Hadronic Journal* **20**, 301–312 (1997).
- [514] J. Dunning-Davies and G. H. A. Cole, "Time travel: fact or fiction?," *Hadronic Journal* **20**, 317–328 (1997).
- [515] J. Löhmus, "Contractions and deformations of space-time algebras, I: General Theory and Kinematical Algebras," *Hadronic Journal* **20**, 361–416 (1997).
- [516] C. M. I. Okoye, A. O. E. Animalu, and G. C. Asomba, "Nonlocal two-band model of Cooper pairing in high temperature superconductivity as predicted by hadronic mechanics," *Hadronic Journal* **20**, 585–602 (1997).
- [517] M. Havlicek, E. Pelantova, and A. U. Klimyk, "Santilli-fairlie algebra $Uq(SO(3))$: tensor products, oscillator realizations and root of unity," *Hadronic Journal* **20**, 603–584 (1997).
- [518] R. Angulo, O. Rodriguez, and G. Spavieri, "Does the expression for the Lorentz force need to be modified?" *Hadronic Journal* **20**, 621–630 (1997).
- [519] M. Israelit, "Torsional Weil-Dirac Electrodynamics," *Hadronic Journal* **21**, 75–93 (1998).
- [520] R. M. Santilli, "Isominkowskian formulation of gravitation and cosmology," *Hadronic Journal* **21**, 113–169 (1998).
- [521] M. Borneas and M. Christea, "Some generalizations of (anti)-communication relations in the quantum theory," *Hadronic Journal* **21**, 405–413 (1998).
- [522] A. Renreng, "A new solution of Einstein's field equations with apparently repulsive gravitation," *Hadronic Journal* **21**, 527–540 (1998).

- [523] V. Mazorchuck, "On simple momodules over q -analog for the virasoro algebra," *Hadronic Journal* **21**, 541–550 (1998).
- [524] G. Spavieri and G. Spinelli, "Nonlocality in the electric and scalar Aharonov-Bohm and Aharonov-Casher effects," *Hadronic Journal* **21**, 621–629 (1998).
- [525] R. M. Santilli and D. D. Shillady, "Ab Initio hadronic chemistry, I: Basic Methods" *Hadronic Journal* **21**, 633–714 (1998).
- [526] R. M. Santilli and D. D. Shillady, "Ab Initio hadronic chemistry, II: Isochemical model of the hydrogen molecule," *Hadronic Journal* **21**, 715–757 (1998).
- [527] R. M. Santilli and D. D. Shillady, "Ab Initio hadronic chemistry, III: Isochemical model of the water molecule," *Hadronic Journal* **21**, 759–787 (1998).
- [528] M. G. Kucherenko and A. K. Aringazin, "Magnetic moment of the polarized iso-electronium orbit in the hydrogen molecule," *Hadronic Journal* **21**, 895–901 (1998).
- [529] J. R. Croca, "Counter examples to the general validity of Heisenberg's uncertainty relations," *Hadronic Journal* **22**, 29–39 (1999).
- [530] I. M. Matora, "The interaction of electron and neutron magnetic moments as one of the causes of UCN heating in metallic UCN traps," *Hadronic Journal* **22**, 41–50 (1999).
- [531] J. Dunning-Davies, "Strings and inflation in modern cosmology," *Hadronic Journal* **22**, 41–50 (1999).
- [532] H. H. Ugurlu, "The relations among instantaneous velocities of trihedrons depending on a space-like ruled surface," *Hadronic Journal* **22**, 145–155 (1999).
- [533] Yi-Fang Chang, "Test of Pauli's exclusion principle in particle physics, astrophysics, and other fields," *Hadronic Journal* **22**, 257–268 (1999).
- [534] A. A. Grib and R. R. Zapatrin, "In search of quantum topology," *Hadronic Journal* **22**, 321–342 (1999).
- [535] K. M. Beshtoev, "Impossible realization of neutrino resonance oscillations enhancement in matter," *Hadronic Journal* **22**, 477–487 (1999).
- [536] J. Dunning-Davies, "Open, closed and isolated systems," *Hadronic Journal* **22**, 489–496 (1999).
- [537] J. Dunning-Davies, "Thermodynamics of antimatter via Santilli's isodualities," *Hadronic Journal* **22**, 607–615 (1999).
- [538] J. M. C. Montanus, "Proper time physics," *Hadronic Journal* **22**, 625–673 (1999).
- [539] A. K. Aringazin and M. G. Kucherenko, "Exact solution of the restricted three-body Santilli-Shillady model of H₂ molecule," *Hadronic Journal* **23**, 1–56 (2000).
- [540] A. K. Aringazin, "On variational solution of the four-body Santilli-Shillady model of H₂ molecule," *Hadronic Journal* **23**, 57–113 (2000).

- [541] J. A. de Wet, "Evidence of spin mutation with consequent non-unitary time evolution in C-13," *Hadronic Journal* **23**, 193–202 (2000).
- [542] E. Recami and R. M. Santilli, "Experimental evidence of superluminal speeds," *Hadronic Journal* **23**, 279–293 (2000).
- [543] M. R. Molaei, "Isosheaf cohomology isothory," *Hadronic Journal* **23**, 373–383 (2000).
- [544] Yin Rui, "Unification of forces according to relativity for rotations," *Hadronic Journal* **23**, 487–549 (2000).
- [545] Yin Rui, "Experimental verification of relativity for rotations," *Hadronic Journal* **23**, 551–580 (2000).
- [546] A. L. Choudhury, "Time dependent physical masses around a wormhole," *Hadronic Journal* **23**, 581–594 (2000).
- [547] A. Wolf, "String inspired dilation torsion coupling to electromagnetism in the field of a cosmic string," *Hadronic Journal* **23**, 595–605 (2000).
- [548] A. K. Aringazin and M. B. Semenov, "Isoelectronium correlations as a nonlinear two-dimensional two-particle tunnel effect," *Hadronic Journal* **23**, 619–636 (2000).
- [549] J. Dunning-Davies, "Entropy, Thermodynamics and biology," *Hadronic Journal* **24**, 1–10 (2001).
- [550] M. Burton, P. J. Doncaster, and J. Dunning-Davies, "Thermodynamics: The second law revisited," *Hadronic Journal* **24**, 11–16 (2001).
- [551] W. Wyss, "The energy-momentum tensor for gravitational interactions," *Hadronic Journal* **24**, 53–70 (2001).
- [552] N. Motoyui and M. Yamada, "Exactness of BRS cohomology, sequence in Rx formulation of the Abelian Higgs mode," *Hadronic Journal* **24**, 71–85 (2001).
- [553] M. Mizushima, "Generalized Galileo-Lorentz transformation," *Hadronic Journal* **24**, 107–112 (2001).
- [554] M. R. Molaei, "Isotopic form of complex manifolds," *Hadronic Journal* **24**, 291–300 (2001).
- [555] L. M. Chechin and T. B. Omarov, "Geodesic lines in the gravitational field of nonlinear cosmic strings," *Hadronic Journal* **24**, 317–328 (2001).
- [556] Y. Yayli and E. Soyuturk, "On the commutative algebras in the Minkowski 3-space," *Hadronic Journal* **24**, 385–393 (2001).
- [557] A. K. Aringazin, Yayli and E. Soyuturk, "Toroidal configuration of the orbit of the electron of the hydrogen atom under strong external magnetic fields," *Hadronic Journal* **24**, 395–433 (2001).
- [558] A. Schulze-Halberg, "The central symmetric screened coulomb potential in n dimensions," *Hadronic Journal* **24**, 519–530 (2001).

- [559] E. Cohen and L. P. Horwitz, "Effect of non-orthogonality of residues in the Wigner-Weisskopf model of the neutral k -meson system on regeneration and interference in the exit channel," *Hadronic Journal* **24**, 593–608 (2001).
- [560] Chun-Xuan Jiang, "A unified theory of the gravitational and strong interactions," *Hadronic Journal* **24**, 629–638 (2001).
- [561] S. Banerjee, "A simple algorithm for obtaining bound state wave functions by solving the Dirac equations," *Hadronic Journal* **24**, 653–667 (2001).
- [562] S. I. Muslih, "Hamilton-Jacobi quantization of particle constrained on a circle," *Hadronic Journal* **25**, 107–116 (2002).
- [563] R. Camp-Stursberg, "Generalization of the embedding problem of dynamical systems into Lie algebras," *Hadronic Journal* **25**, 261–271 (2002).
- [564] A. K. Aringazin and M. I. Mazhitov, "Combinatorial interpretation of Haldane-Wu fractional exclusion statistics," *Hadronic Journal* **25**, 387–394 (2002).
- [565] P. O'Hara, "Rotational invariance and the Pauli exclusion principle," *Hadronic Journal* **25**, 407–429 (2002).
- [566] N. Zh. Takibayev, "Nuclear fusion in the channelled ion beams in a crystal," *Hadronic Journal* **25**, 459–469 (2002).
- [567] N. Gerami and G. R. Rezaee, "Grading of Santilli's isovector spaces on isofields," *Hadronic Journal* **25**, 561–586 (2002).
- [568] A. Bahrampour and M. H. Zandi, " Q -switching technique in the output of the injection locking TEA CO₂ laser," *Hadronic Journal* **26**, 567–580 (2003).
- [569] A. O. E. Animalu, "A new theory on the structure of the Rutherford-Santilli neutron," *Hadronic Journal* **26**, 637–654 (2003).
- [570] V. D. Krevchik, A. B. Grunin, A. K. Aringazin, and M. B. Semenov, "Photonic drag effect for one-dimensional electrons in a longitudinal magnetic field with $D(-)$ -centers participation," *Hadronic Journal* **26**, 681–706 (2003).

Papers Published in *Algebras, Groups and Geometries*

- [571] S. Okubo, "Super-composition algebras," *Algebras, Groups and Geometries* **1**, 62–108 (1984).
- [572] G. M. Benkart, "Bimodules for flexible Lie-admissible algebras," *Algebras, Groups and Geometries* **1**, 109–126 (1984).
- [573] S. González and A. Elduque, "Flexible Lie-admissible algebras with A and A^- having the same lattice of subalgebras," *Algebras, Groups, and Geometries* **1**, 137–143 (1984).
- [574] B. A. Kupershmidt, "Isotopic Lie algebras and matrix Lax equations," *Algebras, Groups and Geometries* **1**, 144–153 (1984).

- [575] A. A. Sagle, "Mutation algebras related to connections on homogeneous spaces," *Algebras, Groups and Geometries* **1**, 164–175 (1984).
- [576] E. Kleinfeld, "An extension of the class of right alternative rings," *Algebras, Groups and Geometries* **1**, 213–216 (1984).
- [577] K. Mc. Crimmon, "Strong prime inheritance in Jordan systems," *Algebras, Groups and Geometries* **1**, 217–234 (1984).
- [578] H. F. Smith, "Nilpotency in flexible derivation alternator rings," *Algebras, Groups and Geometries* **1**, 236–246 (1984).
- [579] A. Elduque, "On the Frattini subalgebra of a Lie-admissible algebra," *Algebras, Groups and Geometries* **1**, 267–276 (1984).
- [580] H. C. Myung, "Bimodules for flexible Malcev-admissible algebras," *Algebras, Groups and Geometries* **1**, 277–285 (1984).
- [581] R. H. Oehmke, "Idempotents in powerassociative algebras," *Algebras, Groups and Geometries* **1**, 286–304 (1984).
- [582] A. Elduque, S. Gonzalez and C. Martinez, "Unit element in mutation algebra," *Algebras, Groups and Geometries* **1**, 386–398 (1984).
- [583] J. M. Osborn, "Lie-admissible noncommutative Jordan loop rings," *Algebras, Groups and Geometries* **1**, 453–489 (1984).
- [584] T. Schwartz, "Automorphism groups of Jordan pairs," *Algebras, Groups and Geometries* **1**, 490–509 (1984).
- [585] T. Schwartz, "Special simple Jordan triple systems," *Algebras, Groups and Geometries* **2**, 117–128 (1985).
- [586] S. González and C. Martinez, "Lie mutation of an associative algebra," *Algebras, Groups and Geometries* **2**, 129–138 (1985).
- [587] A. A. El Malek and A. Micali, "Sur les algèbres Malcev-admissibles," *Algebras, Groups and Geometries* **2**, 167–193 (1985).
- [588] S. González Jiménez, "Sur les algèbres Malcev-admissibles," *Algebras, Groups and Geometries* **2**, 194–208 (1985).
- [589] S. Okubo, "[Construction of non-associative algebras from representation modules of simple Lie algebra]," *Algebras, Groups and Geometries* **3**, 60–127 (1986).
- [590] J. Schue, "Structure theorems for the restricted enveloping algebra of a solvable Lie p -algebra," *Algebras, Groups and Geometries* **3**, 128–147 (1986).
- [591] A. A. Sagle, "Invariant Lagrangian mechanics, connections, and nonassociative algebras," *Algebras, Groups and Geometries* **3**, 199–263 (1986).
- [592] J. Marshall Osborn, "What are nonassociative algebras?" *Algebras, Groups and Geometries* **3**, 264–285 (1986).

- [593] N. C. Hopkins, "Decomposition of Lie module triple systems," *Algebras, Groups and Geometries* **3**, 399–413 (1986).
- [594] M. El Agawany and A. Micali, "Superalgèbres de Lie et le théorème de Poincaré-Birkhoff-Witt," *Algebras, Groups and Geometries* **4**, 1–44 (1987).
- [595] H. C. Myung and D. S. Shin, "Note on Malcev-admissible mutations of an alternative algebra," *Algebras, Groups and Geometries* **4**, 139–143 (1987).
- [596] S. Okubo, "Non-associative differential geometry," *Algebras, Groups and Geometries* **4**, 215–263 (1987).
- [597] N. Jacobson, "Jordan algebras of real symmetric matrices," *Algebras, Groups and Geometries* **4**, 291–304 (1987).
- [598] W. C. Waterhouse, "Nonassociative quaternion algebras," *Algebras, Groups and Geometries* **4**, 365–378 (1987).
- [599] S. Walcher, "On derivations of simple algebras," *Algebras, Groups and Geometries* **4**, 379–382 (1987).
- [600] A. C. Vico and A. F. Lopez, "Prime noncommutative Jordan algebras with nonzero socle and central closure," *Algebras, Groups and Geometries* **5**, 129–136 (1988).
- [601] S. D. Nimmo, "Anticommutative derivation alternator rings," *Algebras, Groups and Geometries* **5**, 273–295 (1988).
- [602] A. Krieg, "Associative triple systems of Hecke type," *Algebras, Groups and Geometries* **5**, 341–357 (1988).
- [603] P. Jimenez Garijo and A. Rodriguez Palacios, "Rational identities in Jordan algebras," *Algebras, Groups and Geometries* **5**, 411–420 (1988).
- [604] T.-I. Suh, "Nucleus of nonassociative rings with an invertible or nilpotent valued derivation," *Algebras, Groups and Geometries* **5**, 27–32 (1988).
- [605] I. R. Hentzel and L. A. Peresi, "Counterexamples in nonassociative algebra," *Algebras, Groups and Geometries* **5**, 109–128 (1988).
- [606] S. V. Tsaranov, "On a generalization of Coxeter groups," *Algebras, Groups and Geometries* **6**, 281–318 (1989).
- [607] J. Dorfmeister and E. Neher, "Isoparametric triple systems with special Z -structure," *Algebras, Groups and Geometries* **7**, 21–94 (1990).
- [608] A. K. Aringazin, A. Jannussis, D. F. Lopez, M. Nishioka, and B. Veljanoski, "Need for mathematical studies on Santilli's Lie-isotopic relativities," *Algebras, Groups and Geometries* **7**, 211–300 (1990).
- [609] B. Veljanoski, "Addendum et Errata for the article 'Need for mathematical studies on Santilli's Lie-isotopic relativities'," *Algebras, Groups and Geometries* **7**, 211–300 (1990). *Algebras, Groups and Geometries* **8**, 77–83 (1991).

- [610] D. L. Rapoport-Campodonico, "On the construction of Lie-isotopic relativistic stochastic mechanics and Lie-isotopic potential theory from the Lie-isotopic geometry associated to a torsion potential," *Algebras, Groups and Geometries* **8**, 1–60 (1991).
- [611] B. Kimelfeld, "On Isometries of left invariant metrics on semisimple Lie groups," *Algebras, Groups and Geometries* **8**, 89–112 (1991).
- [612] J. Y. Min, "Note on flexible Malcev-admissible algebras with a simple Levi factor," *Algebras, Groups and Geometries* **8**, 113–130 (1991).
- [613] R. M. Santilli, "Isotopies of contemporary mathematical structures, I: Isotopies of fields, vector spaces, transformation theory, Lie algebras, analytic mechanics and space-time symmetries," *Algebras, Groups and Geometries* **8**, 159–167 (1991).
- [614] H. Rund, "The Freud identity in Riemannian geometry," *Algebras, Groups and Geometries* **8**, 267–273 (1991).
- [615] R. M. Santilli, "Isotopies of contemporary mathematical structures, Part II: Isotopies of symplectic geometry, affine geometry, Riemannian geometry and Einstein's gravitation," *Algebras, Groups and Geometries* **8**, 267–273 (1991).
- [616] T. Singh and G. Arcidiacono, "On a Birhoffian-type theorem in general projective relativity," *Algebras, Groups and Geometries* **9**, 29–34 (1992).
- [617] Gr. Tsagas and A. Kobotis, "Characteristic elements of a category of nilpotent Lie algebras of dimension 8," *Algebras, Groups and Geometries* **9**, 137–256 (1992).
- [618] J. V. Kadeisvili, "Elements of functional isoanalysis," *Algebras, Groups and Geometries* **9**, 283–318 (1992).
- [619] J. V. Kadeisvili, "Elements of Fourier-Santilli isotransforms," *Algebras, Groups and Geometries* **9**, 219–342 (1992).
- [620] E. Castrand, "A multiparameter strongly superadditive ergodic theorem in von Neumann algebras," *Algebras, Groups and Geometries* **9**, 343–361 (1992).
- [621] K. K. Wan and J. J. Powis, "Nonlocality of quantum mechanics and geometric quantization," *Algebras, Groups and Geometries* **10**, 263–272 (1993).
- [622] R. M. Santilli, "Isotones and genotones of dimensions 1, 2, 4, 8, their isoduals and pseudoduals, and 'hidden numbers' of dimensions 3, 5, 6, 7," *Algebras, Groups and Geometries* **10**, 273–322 (1993).
- [623] A. U. Klimyk and R. M. Santilli, "Standard isorepresentations of iso/ Q -operator deformations of Lie algebras," *Algebras, Groups and Geometries* **10**, 323–332 (1993).
- [624] J. A. C. Mira, A. G. Martin and C. M. Gonzalez, "Prime associative superalgebras with nonzero socle," *Algebras, Groups and Geometries* **10**, 359–369 (1993).
- [625] K. Moneyhun, "Isoclinisms in Lie algebras," *Algebras, Groups and Geometries* **11**, 9–22 (1994).
- [626] I. I. Kachurik and A. U. Klimyk, "Operator spectra for quantum algebras and q -orthogonal polynomials," *Algebras, Groups and Geometries* **11**, 229–252 (1994).

- [627] J. A. C. Mira, A. G. Martin, and C. M. Gonzalez, "Prime associative superalgebras with nonzero socle," *Algebras, Groups and Geometries* **11**, 359–369 (1994).
- [628] G. Tsagas and D. Sourlas, "Isomanifolds and their isotensor fields," *Algebras, Groups and Geometries* **12**, 1–66 (1995).
- [629] G. Tsagas and D. Sourlas, "Isomappings between isomanifolds," *Algebras, Groups and Geometries* **12**, 67–87 (1995).
- [630] L. V. Sabinin and L. Sabinin, "Traces on $SU(2.1)$ and complex hyperbolic ideal triangle groups," *Algebras, Groups and Geometries* **12**, 139–156 (1995).
- [631] V. A. Groza, "The q -deformed algebra $Uq(sor, s)$ and its representatives," *Algebras, Groups and Geometries* **12**, 165–180 (1995).
- [632] G. Gibson and A. A. Stitzinger, "Isomorphisms of Lie algebra extensions," *Algebras, Groups and Geometries* **12**, 181–191 (1995).
- [633] A. K. Aringazin, D. A. Kirukhin, and R. M. Santilli, "Isotopic generalization of the legendre, Jacobi, and Bessel functions," *Algebras, Groups and Geometries* **12**, 255–305 (1995).
- [634] S. M. B. Kashani, "Hypersurfaces in $IR1n$ satisfying $Ox = Ax + B$," *Algebras, Groups and Geometries* **13**, 81–91 (1996).
- [635] G. Tsagas, "Studies on the classification of Lie-Santilli algebras," *Algebras, Groups and Geometries* **13**, 129–148 (1996).
- [636] G. Tsagas, "Isoaffine connections and Santilli's isoriemannian metrics on an isomanifold," *Algebras, Groups and Geometries* **13**, 149–170 (1996).
- [637] J. V. Kadeisvili, "An introduction to the Lie-Santilli isothory," *Algebras, Groups and Geometries* **13**, 171–281 (1996).
- [638] Noriaki Kamiya, "A characterization of pseudoisofields," *Algebras, Groups and Geometries* **13**, 283–294 (1996).
- [639] D. A. Towers, "On power associative Bernstein algebras of arbitrary order," *Algebras, Groups and Geometries* **13**, 295–323 (1996).
- [640] M. Abel, "Noncommutative Jordan locally pseudoconvex q -algebras," *Algebras, Groups and Geometries* **13**, 171–281 (1996).
- [641] S. Gomoyo, "Realization of the exceptional simple graded Lie algebras of the second kind," *Algebras, Groups and Geometries* **13**, 431–464 (1996).
- [642] J. A. Leslie, "Lie's third theorem in supergeometry," *Algebras, Groups and Geometries* **14**, 359–406 (1997).
- [643] E. Trel, "Isotopic proof and re-proof of Fermat's last theorem verifying Beal's conjecture," *Algebras, Groups and Geometries* **15**, 229–318 (1998).
- [644] Chuan-Xuan Jiang, "On the Fermat-Santilli isothorem," *Algebras, Groups and Geometries* **15**, 319–350 (1998).

- [645] Chuan-Xuan Jiang, “Foundations of Santilli’s isonumber theory, Part I: isonumber theory of the first kind,” *Algebras, Groups and Geometries* **15**, 351–393 (1998).
- [646] Erik Trell and R. M. Santilli, “Marius Sophus Lie’s doctoral thesis Over en classe geometriske transformationer,” *Algebras, Groups and Geometries* **15**, 390–445 (1998).
- [647] Erik Trell, “The eightfold eightfold way application of Lie’s true geometriske transformationer to elementary particles,” *Algebras, Groups and Geometries* **15**, 447–471 (1998).
- [648] R. M. Santilli, “Isotopic, genotopic and Hyperstructural liftings of Lie’s theory and their isoduals,” *Algebras, Groups and Geometries* **15**, 473–496 (1998).
- [649] J. V. Kadeisvili, “Comments on a recent paper by Morosi and Pizzocchero on the Lie-Santilli isothory,” *Algebras, Groups and Geometries* **15**, 497–508 (1998).
- [650] Chun-Xuan Jiang, “Foundations of Santilli’s isonumber theory, Part II: Isonumber theory of the second kind,” *Algebras, Groups and Geometries* **15**, 509–540 (1998).
- [651] R. Aslander and S. Keles, “Infinitesimal motions on Santilli-Sourlas-Tsagas isomanifolds,” *Algebras, Groups and Geometries* **15**, 545–561 (1998).
- [652] M. R. Molaei, “On Santilli’s one-dimensional isodynamical systems,” *Algebras, Groups and Geometries* **15**, 563–568 (1998).
- [653] M. Anástásiei, “On the nonlinear connection of a second order Finsler space,” *Algebras, Groups and Geometries* **16**, 1–10 (1999).
- [654] R. Miron, “The nonholonomic manifold in the higher order Lagrange spaces,” *Algebras, Groups and Geometries* **17**, 283–292 (2000).
- [655] T. Nagano, “Singular Finsler spaces,” *Algebras, Groups and Geometries* **17**, 303–310 (2000).
- [656] S. V. Zuev, “Geometric quantization of generalized oscillator,” *Algebras, Groups and Geometries* **17**, 11–16, (2000).
- [657] N. Kamiya, “Radicals of triple systems,” *Algebras, Groups and Geometries* **18**, 17–26 (2001).
- [658] A. J. Calderón Martín, “Coherent direct systems of L^* -triples,” *Algebras, Groups and Geometries* **19**, 19–29 (2002).
- [659] H. Boujemaa, M. Rachidi, and A. Micali, “On a class of nonassociative algebras: a reduction theorem for their associated quadratic systems,” *Algebras, Groups and Geometries* **19**, 73–83 (2002).
- [660] F. Zitan, “Some results on baric algebras,” *Algebras, Groups and Geometries* **19**, 109–128 (2002).
- [661] E. E. Vassiliou and G. N. Galanis, “On associated Fréchet vector bundles,” *Algebras, Groups and Geometries* **19**, 277–288 (2002).
- [662] M. R. Molaei and F. Farmitani, “Santilli isomanifolds in arbitrary dimensions,” *Algebras, Groups and Geometries* **19**, 347–355 (2002).

- [663] Chuan-Xuan Jiang, “Prime theorem in Santilli’s isonumber theory,” *Algebras, Groups and Geometries* **18**, 475–494 (2001).
- [664] R. M. Falc’on and J. N’unez, “Tsagas-Sourlas-Santilli isotopology,” *Algebras, Groups and Geometries* **20**, 1–100 (2003).
- [665] L. Kluge and E. Paal, “Operads and cohomology,” *Algebras, Groups and Geometries* **21**, 1–7 (2004).
- [666] S. C. Althoen, K. D. Hansen, and L. D. Kugler, “A survey of four-dimensional C -associative algebras,” *Algebras, Groups and Geometries* **21**, 9–27 (2004).
- [667] T. Guédénon, “Invariants of Bass, catenarity and Tauvel’s height formula in some extensions of filtered rings,” *Algebras, Groups and Geometries* **21**, 57–88 (2004).
- [668] A. Temizyurek, “On free Lie product of Lie p -algebras,” *Algebras, Groups and Geometries* **21**, 115–126 (2004).
- [669] B. Gokden, “Study of a formalism modeling massive particles at the speed of light on a machian basis,” *Algebras, Groups and Geometries* **21**, 153–179 (2004).

Papers Published in the *Hadronic Journal Supplement*

to be included

Monographs by R. M. Santilli

- [670] R. M. Santilli, *Foundations of Theoretical Mechanics*, Vol. I, Springer–Verlag, Heidelberg–New York (1978).
- [671] R. M. Santilli, *Lie-admissible Approach to the Hadronic Structure*, Vol. I, Hadronic Press, Palm Harbor, Florida (1978).
- [672] R. M. Santilli, *Lie-admissible Approach to the Hadronic Structure*, Vol. II, Hadronic Press, Palm Harbor, Florida (1981).
- [673] R. M. Santilli, *Foundations of Theoretical Mechanics*, Vol. II, Springer–Verlag, Heidelberg–New York (1983).
- [674] R. M. Santilli, *Isotopic Generalizations of Galilei and Einstein Relativities*, Vol. I, Hadronic Press, Palm Harbor, Florida (1991).
- [675] R. M. Santilli, *Isotopic Generalizations of Galilei and Einstein Relativities*, Vol. II, Hadronic Press, Palm Harbor, Florida (1991).
- [676] R. M. Santilli, *Elements of Hadronic Mechanics*, Vol. I, Ukrainian Academy of Sciences, Kiev, Second Edition (1995).
- [677] R. M. Santilli, *Elements of Hadronic Mechanics*, Vol. II, Ukrainian Academy of Sciences, Kiev, Second Edition (1995).
- [678] C. R. Illert and R. M. Santilli, *Foundations of Theoretical Conchology*, Hadronic Press, Palm Harbor, Florida (1995).

- [679] R. M. Santilli, *Isotopic, Genotopic and Hyperstructural Methods in Theoretical Biology*, Ukrainian Academy of Sciences, Kiev (1996).
- [680] R. M. Santilli, *The Physics of New Clean Energies and Fuels According to Hadronic Mechanics*, Special issue of the Journal of New Energy, 318 pages (1998).
- [681] R. M. Santilli, *Foundations of Hadronic Chemistry with Applications to New Clean Energies and Fuels*, Kluwer Academic Publishers, Boston-Dordrecht-London (2001).
- [682] R. M. Santilli, *Isodual Theory of Antimatter, with Applications to Cosmology, Anti-gravity and Spacetime Machines*, In preparation.
- [683] R. M. Santilli, *Elements of Hadronic Mechanics*, Vol. III, in preparation.

Monographs by Other Authors

- [684] H. C. Myung, *Lie Algebras and Flexible Lie-Admissible Algebras*, Hadronic Press (1982).
- [685] A. K. Aringazin, A. Jannussis, D.F. Lopez, M. Nishioka, and B. Veljanoski, *Santilli's Lie-isotopic Generalization of Galilei's and Einstein's Relativities*, Kostarakis Publishers, Athens (1991).
- [686] D. S. Sourlas and G. T. Tsagas, *Mathematical Foundations of the Lie-Santilli Theory*, Ukrainian Academy of Sciences, Kiev (1993).
- [687] J. Löhmus, E. Paal and L. Sorgsepp, *Nonassociative Algebras in Physics*, Hadronic Press, Palm Harbor, FL, USA (1994).
- [688] J. V. Kadeisvili, *Santilli's Isotopies of Contemporary Algebras, Geometries and Relativities*, Second Edition, Ukrainian Academy of Sciences, Kiev, Second Edition (1997).
- [689] R. M. Falcon Ganfornina and J. Nunez Valdes, *Fundamentos de la Isoteoria de Lie-Santilli*, (in Spanish) International Academic Press, America-Europe-Asia, (2001), also available in the pdf file <http://www.i-b-r.org/docs/spanish.pdf>.
- [690] Chun-Xuan Jiang, *Foundations of Santilli's Isonumber Theory*, with Applications to New Cryptograms, Fermat's Theorem and Goldbach's Conjecture, International Academic Press, America-Europe-Asia (2002), also available in the pdf file <http://www.i-b-r.org/docs/jiang.pdf>.

Conference Proceedings and Reprint Volumes

- [691] H. C. Myung and S. Okubo, Editors, *Applications of Lie-Admissible Algebras in Physics*, Vol. I, Hadronic Press (1978).
- [692] H. C. Myung and S. Okubo, Editors, *Applications of Lie-Admissible Algebras in Physics*, Vol. II, Hadronic Press (1978).

- [693] H. C. Myung and R. M. Santilli, Editor, *Proceedings of the Second Workshop on Lie-Admissible Formulations*, Part I, Hadronic J., Vol. 2, issue no. 6, pp. 1252–2033 (1979).
- [694] H. C. Myung and R. M. Santilli, Editor, *Proceedings of the Second Workshop on Lie-Admissible Formulations*, Part II, Hadronic J., Vol. 3, issue no. 1, pp. 1–725 (1980).
- [695] H. C. Myung and R. M. Santilli, Editor, *Proceedings of the Third Workshop on Lie-Admissible Formulations*, Part A, Hadronic J., Vol. 4, issue no. 2, pp. 183–607 (1981).
- [696] H. C. Myung and R. M. Santilli, Editor, *Proceedings of the Third Workshop on Lie-Admissible Formulations*, Part B, Hadronic J., Vol. 4, issue no. 3, pp. 608–1165 (1981).
- [697] H. C. Myung and R. M. Santilli, Editor, *Proceedings of the Third Workshop on Lie-Admissible Formulations*, Part C, Hadronic J., Vol. 4, issue no. 4, pp. 1166–1625 (1981).
- [698] J. Fronteau, A. Tellez-Arenas and R. M. Santilli, Editor, *Proceedings of the First International Conference on Nonpotential Interactions and their Lie-Admissible Treatment*, Part A, Hadronic J., Vol. 5, issue no. 2, pp. 245–678 (1982).
- [699] J. Fronteau, A. Tellez-Arenas and R. M. Santilli, Editor, *Proceedings of the First International Conference on Nonpotential Interactions and their Lie-Admissible Treatment*, Part B, Hadronic J., Vol. 5, issue no. 3, pp. 679–1193 (1982).
- [700] J. Fronteau, A. Tellez-Arenas and R. M. Santilli, Editor, *Proceedings of the First International Conference on Nonpotential Interactions and their Lie-Admissible Treatment*, Part C, Hadronic J., Vol. 5, issue no. 4, pp. 1194–1626 (1982).
- [701] J. Fronteau, A. Tellez-Arenas and R. M. Santilli, Editor, *Proceedings of the First International Conference on Nonpotential Interactions and their Lie-Admissible Treatment*, Part D, Hadronic J., Vol. 5, issue no. 5, pp. 1627–1948 (1982).
- [702] J. Fronteau, R. Mignani, H. C. Myung and R. M. Santilli, Editors, *Proceedings of the First Workshop on Hadronic Mechanics*, Hadronic J., Vol. 6, issue no. 6, pp. 1400–1989 (1983).
- [703] A. Shoeber, Editor, *Irreversibility and Nonpotentiality in Statistical Mechanics*, Hadronic Press (1984).
- [704] H. C. Myung, Editor, *Mathematical Studies in Lie-Admissible Algebras*, Vol. I, Hadronic Press (1984).
- [705] H. C. Myung, Editor, *Mathematical Studies in Lie-Admissible Algebras*, Vol. II, Hadronic Press (1984).
- [706] H. C. Myung and R. M. Santilli, Editor, *Applications of Lie-Admissible Algebras in Physics*, Vol. III, Hadronic Press (1984).
- [707] J. Fronteau, R. Mignani and H. C. Myung, Editors, *Proceedings of the Second Workshop on Hadronic Mechanics*, Volume I, Hadronic J., Vol. 7, issue no. 5, pp. 911–1258 (1984).

- [708] J. Fronteau, R. Mignani and H. C. Myung, Editors, *Proceedings of the Second Workshop on Hadronic Mechanics*, Volume II, Hadronic J., Vol. 7, issue no. 6, pp. 1259–1759 (1984).
- [709] D. M. Norris et al., *Tomber's Bibliography and Index in Nonassociative Algebras*, Hadronic Press, Palm Harbor, FL (1984).
- [710] H. C. Myung, Editor, *Mathematical Studies in Lie-Admissible Algebras*, Vol. III, Hadronic Press (1986).
- [711] A. D. Jannussis, R. Mignani, M. Mijatovic, H. C. Myung B. Popov and A. Tellez Arenas, Editors, *Fourth Workshop on Hadronic Mechanics and Nonpotential Interactions*, Nova Science, New York (1990).
- [712] H. M. Srivastava and Th. M. Rassias, Editors, *Analysis Geometry and Groups: A Riemann Legacy Volume*, Hadronic Press (1993).
- [713] F. Selleri, Editor, *Fundamental Questions in Quantum Physics and Relativity*, Hadronic Press (1993).
- [714] J. V. Kadeisvili, Editor, *The Mathematical Legacy of Hanno Rund*, Hadronic Press (1994).
- [715] M. Barone and F. Selleri, Editors, *Frontiers of Fundamental Physics*, Plenum, New York, (1994).
- [716] M. Barone and F. Selleri, Editors, *Advances in Fundamental Physics*, Hadronic Press (1995).
- [717] Gr. Tsagas, Editor, *New Frontiers in Algebras, Groups and Geometries*, Hadronic Press (1996).
- [718] T. Vougiouklis, Editor, *New Frontiers in Hyperstructures*, Hadronic Press, (1996).
- [719] T. L. Gill, Editor, *New Frontiers in Hadronic Mechanics*, Hadronic Press (1996).
- [720] T. L. Gill, Editor, *New Frontiers in Relativities*, Hadronic Press (1996).
- [721] T. L. Gill, Editor, *New Frontiers in Physics*, Vol. I, Hadronic Press (1996).
- [722] T. L. Gill, Editor, *New Frontiers in Physics*, Vol. II, Hadronic Press (1996).
- [723] C. A. Dreismann, Editor, *New Frontiers in Theoretical Biology*, Hadronic Press (1996).
- [724] G. A. Sardanashvily, Editor, *New Frontiers in Gravitation*, Hadronic Press (1996).
- [725] M. Holzscheiter, Editor, *Proceedings of the International Workshop on Antimatter Gravity*, Sepino, Molise, Italy, May 1996, Hyperfine Interactions, Vol. **109** (1997).
- [726] T. Gill, K. Liu and E. Trel, Editors, *Fundamental Open Problems in Science at the end of the Millennium*, Vol. I, Hadronic Press (1999).
- [727] T. Gill, K. Liu and E. Trel, Editors, *Fundamental Open Problems in Science at the end of the Millennium*, Vol. II, Hadronic Press (1999).

- [728] T. Gill, K. Liu and E. Trel, Editors, *Fundamental Open Problems in Science at the end of the Millennium*, Vol. III, Hadronic Press (1999).
- [729] V. V. Dvoeglazov, Editor, *Photon: Old Problems in Light of New Ideas*, Nova Science (2000).
- [730] M. C. Duffy and M. Wegener, Editors, *Recent Advances in Relativity Theory* Vol. I, Hadronic Press (2000).
- [731] M. C. Duffy and M. Wegener, Editors, *Recent Advances in Relativity Theory* Vol. I, Hadronic Press (2000).