

G Marmo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10445716/publications.pdf>

Version: 2024-02-01

198
papers

4,909
citations

126858

33
h-index

138417

58
g-index

201
all docs

201
docs citations

201
times ranked

1264
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear description of quantum dynamics: Generalized coherent states. <i>Journal of Mathematical Physics</i> , 2021, 62, 042105.	0.5	0
2	Feynman's propagator in Schwinger's picture of Quantum Mechanics. <i>Modern Physics Letters A</i> , 2021, 36, 2150187.	0.5	7
3	Symmetries and reduction Part I " Poisson and symplectic picture. <i>International Journal of Geometric Methods in Modern Physics</i> , 2020, 17, 2030002.	0.8	4
4	Schwinger's picture of quantum mechanics IV: Composition and independence. <i>International Journal of Geometric Methods in Modern Physics</i> , 2020, 17, 2050058.	0.8	15
5	Covariant Variational Evolution and Jacobi brackets: Fields. <i>Modern Physics Letters A</i> , 2020, 35, 2050206.	0.5	3
6	Covariant variational evolution and Jacobi brackets: Particles. <i>Modern Physics Letters A</i> , 2020, 35, 2020001.	0.5	3
7	Covariant reduction of classical Hamiltonian Field Theories: From D'Alembert to Klein-Gordon and Schrödinger. <i>Modern Physics Letters A</i> , 2020, 35, 2050214.	0.5	3
8	Schwinger's picture of quantum mechanics. <i>International Journal of Geometric Methods in Modern Physics</i> , 2020, 17, 2050054.	0.8	17
9	Lagrangian description of Heisenberg and Landau-von Neumann equations of motion. <i>Modern Physics Letters A</i> , 2020, 35, 2050161.	0.5	1
10	Manifolds of classical probability distributions and quantum density operators in infinite dimensions. <i>Information Geometry</i> , 2019, 2, 231-271.	0.8	10
11	Nonlinear dynamics from linear quantum evolutions. <i>Annals of Physics</i> , 2019, 411, 167957.	1.0	6
12	Schwinger's picture of quantum mechanics II: Algebras and observables. <i>International Journal of Geometric Methods in Modern Physics</i> , 2019, 16, 1950136.	0.8	23
13	Groupoids and Coherent States. <i>Open Systems and Information Dynamics</i> , 2019, 26, 1950017.	0.5	3
14	Schwinger's picture of quantum mechanics III: The statistical interpretation. <i>International Journal of Geometric Methods in Modern Physics</i> , 2019, 16, 1950165.	0.8	23
15	Schwinger's picture of quantum mechanics I: Groupoids. <i>International Journal of Geometric Methods in Modern Physics</i> , 2019, 16, 1950119.	0.8	27
16	Stratified manifold of quantum states, actions of the complex special linear group. <i>Annals of Physics</i> , 2019, 400, 221-245.	1.0	8
17	Generalized potential functions in differential geometry and information geometry. <i>International Journal of Geometric Methods in Modern Physics</i> , 2019, 16, 1940002.	0.8	4
18	Contact manifolds and dissipation, classical and quantum. <i>Annals of Physics</i> , 2018, 398, 159-179.	1.0	38

#	ARTICLE	IF	CITATIONS
19	A gentle introduction to Schwinger's formulation of quantum mechanics: The groupoid picture. <i>Modern Physics Letters A</i> , 2018, 33, 1850122.	0.5	29
20	A pedagogical intrinsic approach to relative entropies as potential functions of quantum metrics: The q -family. <i>Annals of Physics</i> , 2018, 395, 238-274.	1.0	18
21	Tangent bundle geometry from dynamics: Application to the Kepler problem. <i>International Journal of Geometric Methods in Modern Physics</i> , 2017, 14, 1750047.	0.8	3
22	Dynamical aspects in the quantizer-dequantizer formalism. <i>Annals of Physics</i> , 2017, 385, 769-781.	1.0	27
23	Tensorial dynamics on the space of quantum states. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 365301.	0.7	8
24	Tomography on oscillators. <i>Physica Scripta</i> , 2017, 92, 115101.	1.2	4
25	Dynamical Vector Fields on the Manifold of Quantum States. <i>Open Systems and Information Dynamics</i> , 2017, 24, 1740003.	0.5	18
26	Equations of motion as constraints: superselection rules, Ward identities. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	20
27	Covariant Jacobi brackets for test particles. <i>Modern Physics Letters A</i> , 2017, 32, 1750122.	0.5	8
28	The quantum-to-classical transition: contraction of associative products. <i>Physica Scripta</i> , 2016, 91, 045201.	1.2	8
29	Time, classical and quantum. <i>Annals of Physics</i> , 2016, 373, 532-543.	1.0	6
30	Structural aspects of Hamilton-Jacobi theory. <i>International Journal of Geometric Methods in Modern Physics</i> , 2016, 13, 1650017.	0.8	10
31	On pseudo-stochastic matrices and pseudo-positive maps. <i>Physica Scripta</i> , 2015, 90, 115202.	1.2	10
32	Generalized tomographic maps and star-product formalism. <i>Physica Scripta</i> , 2015, 90, 065101.	1.2	4
33	Quantum Tomography twenty years later. <i>Physica Scripta</i> , 2015, 90, 074031.	1.2	44
34	The topology and geometry of self-adjoint and elliptic boundary conditions for Dirac and Laplace operators. <i>International Journal of Geometric Methods in Modern Physics</i> , 2015, 12, 1561007.	0.8	17
35	Boundary dynamics driven entanglement. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 385301.	0.7	9
36	Groupoids and the tomographic picture of quantum mechanics. <i>Physica Scripta</i> , 2013, 88, 055003.	1.2	13

#	ARTICLE	IF	CITATIONS
37	Null phase curves and manifolds in geometric phase theory. Journal of Mathematical Physics, 2013, 54, 062106.	0.5	5
38	Reduction of Lieâ€“Jordan Banach algebras and quantum states. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 015201.	0.7	17
39	Realization of associative products in terms of Moyal and tomographic symbols. Physica Scripta, 2013, 87, 038107.	1.2	7
40	Tensorial description of quantum mechanics. Physica Scripta, 2013, T153, 014012.	1.2	2
41	Stochastic evolution of finite level systems: classical versus quantum. Physica Scripta, 2013, 87, 045015.	1.2	6
42	Generalized quantum tomographic maps. Physica Scripta, 2012, 85, 065001.	1.2	4
43	The geometry of integrable and superintegrable systems. Theoretical and Mathematical Physics(Russian Federation), 2012, 172, 1109-1117.	0.3	1
44	Two-mode optical tomograms: a possible experimental check of the Robertson uncertainty relations. Physica Scripta, 2012, T147, 014021.	1.2	5
45	On the tomographic description of classical fields. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 1417-1425.	0.9	6
46	A pedagogical presentation of aâ€“algebraic approach to quantum tomography. Physica Scripta, 2011, 84, 065006.	1.2	19
47	Robustness of raw quantum tomography. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 861-866.	0.9	13
48	CLASSICAL TENSORS AND QUANTUM ENTANGLEMENT II: MIXED STATES. International Journal of Geometric Methods in Modern Physics, 2011, 08, 853-883.	0.8	9
49	Homodyne estimation of quantum state purity by exploiting the covariant uncertainty relation. Physica Scripta, 2011, 83, 045001.	1.2	39
50	On the tomographic picture of quantum mechanics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 2614-2617.	0.9	22
51	CLASSICAL TENSORS AND QUANTUM ENTANGLEMENT I: PURE STATES. International Journal of Geometric Methods in Modern Physics, 2010, 07, 485-503.	0.8	11
52	Brownian motion on Lie groups and open quantum systems. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 265301.	0.7	16
53	Geometrical description of quantum mechanicsâ€“transformations and dynamics. Physica Scripta, 2010, 82, 038117.	1.2	22
54	A tomographic description for classical and quantum cosmological perturbations. Physica Scripta, 2009, 80, 045901.	1.2	10

#	ARTICLE	IF	CITATIONS
55	A generalized Wigner function on the space of irreducible representations of the Weyl–Heisenberg group and its transformation properties. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 155302.	0.7	11
56	Geometrical description of algebraic structures: Applications to Quantum Mechanics. , 2009, , .		1
57	Remarks on the star product of functions on finite and compact groups. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 401-408.	0.9	9
58	An introduction to the tomographic picture of quantum mechanics. <i>Physica Scripta</i> , 2009, 79, 065013.	1.2	234
59	CLASSICAL TENSORS FROM QUANTUM STATES. <i>International Journal of Geometric Methods in Modern Physics</i> , 2009, 06, 369-383.	0.8	6
60	A Possible Experimental Check of the Uncertainty Relations by Means of Homodyne Measuring Field Quadrature. <i>Advanced Science Letters</i> , 2009, 2, 517-520.	0.2	26
61	Tomographic entropy and cosmology. <i>General Relativity and Gravitation</i> , 2008, 40, 1449-1465.	0.7	9
62	Tomographic representation of minisuperspace quantum cosmology and noether symmetries. <i>General Relativity and Gravitation</i> , 2008, 40, 2627-2647.	0.7	15
63	f -oscillators deformation for Moyal algebras. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 4364-4368.	0.9	1
64	Schwinger representation for the symmetric group: Two explicit constructions for the carrier space. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 3763-3767.	0.9	1
65	Semigroup of positive maps for qudit states and entanglement in tomographic probability representation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 6490-6497.	0.9	25
66	A tomographic setting for quasi-distribution functions. <i>Reports on Mathematical Physics</i> , 2008, 61, 337-359.	0.4	22
67	Frame transforms, star products and quantum mechanics on phase space. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 285304.	0.7	15
68	Generalized tomographic maps. <i>Physical Review A</i> , 2008, 77, .	1.0	34
69	Radon transform on the cylinder and tomography of a particle on the circle. <i>Physical Review A</i> , 2007, 76, .	1.0	21
70	Qubit portraits of qudit states and quantum correlations. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, 13091-13100.	0.7	25
71	Wigner distributions in quantum mechanics. <i>Journal of Physics: Conference Series</i> , 2007, 87, 012010.	0.3	3
72	Tomography in Hilbert spaces. <i>Journal of Physics: Conference Series</i> , 2007, 87, 012013.	0.3	2

#	ARTICLE	IF	CITATIONS
73	ALTERNATIVE LINEAR STRUCTURES FOR CLASSICAL AND QUANTUM SYSTEMS. International Journal of Modern Physics A, 2007, 22, 3039-3064.	0.5	9
74	Isoperiodic classical systems and their quantum counterparts. Annals of Physics, 2007, 322, 1444-1465.	1.0	25
75	Geometrization of quantum mechanics. Theoretical and Mathematical Physics(Russian Federation), 2007, 152, 894-903.	0.3	47
76	Wignerâ€™Weyl correspondence in quantum mechanics for continuous and discrete systemsâ€™a Dirac-inspired view. Journal of Physics A, 2006, 39, 1405-1423.	1.6	63
77	On the meaning and interpretation of tomography in abstract Hilbert spaces. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 351, 1-12.	0.9	27
78	Does the uncertainty relation determine the quantum state?. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 357, 255-260.	0.9	23
79	Tomography in Abstract Hilbert Spaces. Open Systems and Information Dynamics, 2006, 13, 239-253.	0.5	21
80	Noncommutative differential calculus for Moyal subalgebras. Journal of Geometry and Physics, 2006, 56, 611-622.	0.7	19
81	Bell's inequalities in the tomographic representation. Journal of Physics A, 2006, 39, 12515-12524.	1.6	13
82	THE SCHWINGER REPRESENTATION OF A GROUP: CONCEPT AND APPLICATIONS. Reviews in Mathematical Physics, 2006, 18, 887-912.	0.7	31
83	Phase space distributions and a duality symmetry for star products. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 334, 1-11.	0.9	34
84	Partial positive scaling transform: a separability criterion. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 339, 194-206.	0.9	30
85	Tomograms in the quantumâ€™classical transition. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 343, 251-266.	0.9	21
86	Alternative structures and bi-Hamiltonian systems on a Hilbert space. Journal of Physics A, 2005, 38, 3813-3821.	1.6	6
87	Wigner distributions for finite dimensional quantum systems: An algebraic approach. Pramana - Journal of Physics, 2005, 65, 981-993.	0.9	26
88	Classical and Quantum Systems: Alternative Hamiltonian Descriptions. Theoretical and Mathematical Physics(Russian Federation), 2005, 144, 1190-1205.	0.3	8
89	Radon transform of the Wheeler-De Witt equation and tomography of quantum states of the universe. General Relativity and Gravitation, 2005, 37, 99-114.	0.7	19
90	Cosmological dynamics in tomographic probability representation. General Relativity and Gravitation, 2005, 37, 2003-2014.	0.7	12

#	ARTICLE	IF	CITATIONS
91	Relations Between Quantum Maps and Quantum States. Open Systems and Information Dynamics, 2005, 12, 319-329.	0.5	25
92	THE QUANTUM-CLASSICAL TRANSITION: THE FATE OF THE COMPLEX STRUCTURE. International Journal of Geometric Methods in Modern Physics, 2005, 02, 127-145.	0.8	12
93	Wigner's Weyl isomorphism for quantum mechanics on Lie groups. Journal of Mathematical Physics, 2005, 46, 012106.	0.5	31
94	Partial scaling transform of multiqubit states as a criterion of separability. Journal of Physics A, 2005, 38, 10377-10391.	1.6	9
95	ALTERNATIVE ALGEBRAIC STRUCTURES FROM BI-HAMILTONIAN QUANTUM SYSTEMS. International Journal of Geometric Methods in Modern Physics, 2005, 02, 919-937.	0.8	4
96	GLOBAL THEORY OF QUANTUM BOUNDARY CONDITIONS AND TOPOLOGY CHANGE. International Journal of Modern Physics A, 2005, 20, 1001-1025.	0.5	90
97	Differential geometry of density states. Reports on Mathematical Physics, 2005, 55, 405-422.	0.4	21
98	Zeno dynamics and constraints. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, S492-S501.	1.4	9
99	Real Hamiltonian forms of Hamiltonian systems. European Physical Journal B, 2004, 38, 635-649.	0.6	9
100	Geometric phase for mixed states: a differential geometric approach. European Physical Journal C, 2004, 35, 413-423.	1.4	31
101	Positive maps of density matrix and a tomographic criterion of entanglement. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 327, 353-364.	0.9	45
102	QUANTUM SYSTEMS AND ALTERNATIVE UNITARY DESCRIPTIONS. International Journal of Modern Physics A, 2004, 19, 2561-2578.	0.5	7
103	The Geometry of Density States, Positive Maps and Tomograms. , 2004, , 395-443.		0
104	Entanglement Structure of the Adjoint Representation of the Unitary Group and Tomography of Quantum States. Journal of Russian Laser Research, 2003, 24, 507-543.	0.3	32
105	Quantum systems: Real spectra and nonhermitian (hamiltonian) operators. Reports on Mathematical Physics, 2003, 51, 275-285.	0.4	7
106	Bargmann invariants, null phase curves, and a theory of the geometric phase. Physical Review A, 2003, 67, .	1.0	17
107	Peierls Brackets in Field Theory. International Journal of Modern Physics A, 2003, 18, 2033-2039.	0.5	10
108	Alternative structures and bi-Hamiltonian systems. Journal of Physics A, 2002, 35, 8393-8406.	1.6	21

#	ARTICLE	IF	CITATIONS
109	Alternative commutation relations, star products and tomography. <i>Journal of Physics A</i> , 2002, 35, 699-719.	1.6	180
110	ALTERNATIVE HAMILTONIAN DESCRIPTIONS AND STATISTICAL MECHANICS. <i>International Journal of Modern Physics A</i> , 2002, 17, 3779-3788.	0.5	6
111	Alternative Commutation Relations and Quantum Bi-Hamiltonian Systems. <i>Acta Applicandae Mathematicae</i> , 2002, 70, 161-181.	0.5	3
112	BiHamiltonian quantum systems and Weyl quantization. <i>Reports on Mathematical Physics</i> , 2001, 48, 149-157.	0.4	10
113	GEOMETRY OF MIXED STATES AND DEGENERACY STRUCTURE OF GEOMETRIC PHASES FOR MULTI-LEVEL QUANTUM SYSTEMS: A UNITARY GROUP APPROACH. <i>International Journal of Modern Physics A</i> , 2001, 16, 5007-5032.	0.5	21
114	On Filippov algebroids and multiplicative Nambu-Poisson structures. <i>Differential Geometry and Its Applications</i> , 2000, 12, 35-50.	0.2	35
115	Inner composition law of pure states as a purification of impure states. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 273, 31-36.	0.9	15
116	Quantum Zeno dynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 275, 12-19.	0.9	127
117	Bihamiltonian structures and Stäckel separability. <i>Journal of Geometry and Physics</i> , 2000, 33, 210-228.	0.7	87
118	Photon distribution in nonlinear coherent states. <i>Journal of Russian Laser Research</i> , 2000, 21, 305-316.	0.3	15
119	Trapped ions in laser fields: a benchmark for deformed quantum oscillators. <i>Physical Review A</i> , 2000, 62, .	1.0	41
120	On the coherent states, displacement operators and quasidistributions associated with deformed quantum oscillators. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2000, 2, 718-725.	1.4	52
121	Star-Product of Generalized Wigner-Weyl Symbols on SU(2) Group, Deformations, and Tomographic Probability Distribution. <i>Physica Scripta</i> , 2000, 62, 446-452.	1.2	85
122	Remarks on Nambu-Poisson and Nambu-Jacobi brackets. <i>Journal of Physics A</i> , 1999, 32, 4239-4247.	1.6	24
123	Probability Distributions and Hilbert Spaces: Quantum and Classical Systems. <i>Physica Scripta</i> , 1999, 60, 111-116.	1.2	11
124	Aspects of Nonlinear and Noncanonical Transformations in Quantum Mechanics. <i>Physica Scripta</i> , 1999, 58, 224-227.	1.2	6
125	On the relation between Schrödinger and von Neumann equations. <i>Journal of Russian Laser Research</i> , 1999, 20, 421-437.	0.3	21
126	CONSTRUCTION OF COMPLETELY INTEGRABLE SYSTEMS BY POISSON MAPPINGS. <i>Modern Physics Letters A</i> , 1999, 14, 2109-2118.	0.5	16

#	ARTICLE	IF	CITATIONS
127	Classical dynamics, alternative carrier spaces and group-valued constants of motion. Reports on Mathematical Physics, 1999, 44, 111-120.	0.4	0
128	The local structure of n-Poisson and n-Jacobi manifolds. Journal of Geometry and Physics, 1998, 25, 141-182.	0.7	56
129	Poisson structures on double Lie groups. Journal of Geometry and Physics, 1998, 26, 340-379.	0.7	25
130	GENERALIZED n-POISSON BRACKETS ON A SYMPLECTIC MANIFOLD. Modern Physics Letters A, 1998, 13, 3185-3192.	0.5	4
131	THE NONLINEAR SUPERPOSITION PRINCIPLE AND THE WEI-NORMAN METHOD. International Journal of Modern Physics A, 1998, 13, 3601-3627.	0.5	38
132	RELATED OPERATORS AND EXACT SOLUTIONS OF SCHRÖDINGER EQUATIONS. International Journal of Modern Physics A, 1998, 13, 4913-4929.	0.5	40
133	Quantization on a Lie Group: Higher-Order Polarizations. , 1998, , 1-36.		4
134	From Equations of Motion to Canonical Commutation Relations: Classical and Quantum Systems. , 1998, , 223-284.		2
135	Wigner's problem for a precessing magnetic dipole. Physical Review A, 1997, 56, 1126-1130.	1.0	21
136	Wigner's Problem and Alternative Commutation Relations for Quantum Mechanics. International Journal of Modern Physics B, 1997, 11, 1281-1296.	1.0	37
137	Higher-Order Differential Operators on a Lie Group and Quantization. International Journal of Modern Physics A, 1997, 12, 3-11.	0.5	11
138	Completely Integrable Systems – A Generalization. Modern Physics Letters A, 1997, 12, 1637-1648.	0.5	5
139	f-oscillators and nonlinear coherent states. Physica Scripta, 1997, 55, 528-541.	1.2	479
140	The Feynman problem and the inverse problem for Poisson dynamics. Physics Reports, 1995, 263, 153-212.	10.3	46
141	Deformed field equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 197, 95-99.	0.9	8
142	POISSON LIE GROUP SYMMETRIES FOR THE ISOTROPIC ROTATOR. International Journal of Modern Physics A, 1995, 10, 99-114.	0.5	19
143	Topology change and quantum physics. Nuclear Physics B, 1995, 446, 299-314.	0.9	33
144	q-Nonlinearity, Deformations and Planck Distribution. , 1995, , 341-363.		0

#	ARTICLE	IF	CITATIONS
145	Symplectic and Lagrangian Realization of Poisson Manifolds. , 1995, , 159-171.		0
146	On the geometry of Lie algebras and Poisson tensors. Journal of Physics A, 1994, 27, 7425-7449.	1.6	25
147	A GENERALIZATION OF THE JORDAN-SCHWINGER MAP: THE CLASSICAL VERSION AND ITS q DEFORMATION. International Journal of Modern Physics A, 1994, 09, 5541-5561.	0.5	33
148	Eikonal type equations for geometrical singularities of solutions in field theory. Journal of Geometry and Physics, 1994, 14, 211-235.	0.7	13
149	q -nonlinearity of electromagnetic field and formfactor of electric charge. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 191, 13-17.	0.9	11
150	Poisson structures on the cotangent bundle of a Lie group or a principle bundle and their reductions. Journal of Mathematical Physics, 1994, 35, 4909-4927.	0.5	24
151	Recursion operators: Meaning and existence for completely integrable systems. Journal of Mathematical Physics, 1994, 35, 808-815.	0.5	23
152	Correlation functions of quantum q -oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 176, 173-175.	0.9	75
153	POISSON STRUCTURES: TOWARDS A CLASSIFICATION. Modern Physics Letters A, 1993, 08, 1719-1733.	0.5	59
154	PHYSICAL NONLINEAR ASPECTS OF CLASSICAL AND QUANTUM q -OSCILLATORS. International Journal of Modern Physics A, 1993, 08, 3577-3597.	0.5	108
155	DYNAMICAL ASPECTS OF LIE-POISSON STRUCTURES. Modern Physics Letters A, 1993, 08, 2973-2987.	0.5	7
156	POISSON BRACKETS ON PRESYMPLECTIC MANIFOLDS. International Journal of Modern Physics A, 1993, 08, 3747-3771.	0.5	22
157	The inverse problem in the Hamiltonian formalism: integrability of linear Hamiltonian fields. Inverse Problems, 1993, 9, 443-467.	1.0	22
158	ON THE INVERSE PROBLEM OF LAGRANGIAN SUPERMECHANICS. International Journal of Modern Physics A, 1993, 08, 3565-3576.	0.5	9
159	GENERALIZED REDUCTION PROCEDURE AND NONLINEAR NONSTATIONARY DYNAMICAL SYSTEMS. Modern Physics Letters A, 1992, 07, 3411-3418.	0.5	10
160	Scalar field, nonminimal coupling, and cosmology. Physical Review D, 1991, 44, 3136-3146.	1.6	46
161	A geometrical approach to the Hamilton-Jacobi form of dynamics and its generalizations. Rivista Del Nuovo Cimento, 1990, 13, 1-74.	2.0	19
162	Algebraic differential calculus for gauge theories. Nuclear Physics, Section B, Proceedings Supplements, 1990, 18, 171-206.	0.5	12

#	ARTICLE	IF	CITATIONS
163	New exact solutions of cosmological equations with considerations upon the cosmological constant. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1990, 149, 79-83.	0.9	22
164	New approach to find exact solutions for cosmological models with a scalar field. <i>Physical Review D</i> , 1990, 42, 1091-1097.	1.6	132
165	ALTERNATIVE HAMILTONIAN DESCRIPTION FOR QUANTUM SYSTEMS. <i>Modern Physics Letters A</i> , 1990, 05, 1229-1234.	0.5	21
166	When does the motion of test particles determine the metric tensor?. <i>Classical and Quantum Gravity</i> , 1990, 7, 2155-2167.	1.5	4
167	On the inverse problem with symmetries, and the appearance of cohomologies in classical Lagrangian dynamics. <i>Reports on Mathematical Physics</i> , 1989, 28, 389-410.	0.4	5
168	Symmetries in The Lagrangian And Hamiltonian Formalism: The Equivariant Inverse Problem. , 1989, , 243-309.		4
169	No-interaction theorem for classical relativistic particles with Grassmann internal coordinates. II <i>Nuovo Cimento A</i> , 1988, 100, 447-461.	0.2	2
170	Quasi-invariance and central extensions. <i>Physical Review D</i> , 1988, 37, 2196-2205.	1.6	26
171	A separability theorem for dynamical systems admitting alternative Lagrangian descriptions. <i>Journal of Physics A</i> , 1987, 20, 3225-3236.	1.6	10
172	On obtaining strictly invariant Lagrangians from gauge-invariant Lagrangians. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1986, 96, 159-174.	0.2	8
173	Separability of completely integrable dynamical systems admitting alternative Lagrangian descriptions. <i>Letters in Mathematical Physics</i> , 1985, 9, 141-148.	0.5	10
174	Alternative Lagrangians and complete integrability: Some remarks. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1985, 86, 17-30.	0.2	14
175	Curvature tensor for Kaluza-Klein theories with homogeneous fibers. <i>Physical Review D</i> , 1985, 32, 1364-1368.	1.6	9
176	Lagrangian dynamics on higher-dimensional spaces with applications to Kaluza-Klein theories. <i>Journal of Mathematical Physics</i> , 1985, 26, 1083-1092.	0.5	5
177	Relativistic particle dynamics—Lagrangian proof of the no-interaction theorem. <i>Physical Review D</i> , 1984, 30, 2110-2116.	1.6	27
178	A new characterization of completely integrable systems. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1984, 83, 97-112.	0.2	54
179	Unified geometrical approach to relativistic particle dynamics. <i>Journal of Mathematical Physics</i> , 1984, 25, 167-176.	0.5	9
180	Non-Abelian monopoles break color. I. Classical mechanics. <i>Physical Review D</i> , 1984, 29, 2919-2935.	1.6	26

#	ARTICLE	IF	CITATIONS
181	Non-Abelian monopoles break color. II. Field theory and quantum mechanics. <i>Physical Review D</i> , 1984, 29, 2936-2943.	1.6	21
182	Dynamics and symmetry for constrained systems: a geometrical analysis. <i>Rivista Del Nuovo Cimento</i> , 1983, 6, 1-62.	2.0	37
183	Equivalent Lagrangians and Lax representations. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1983, 78, 70-84.	0.2	17
184	Inverse problem in classical mechanics: Dissipative systems. <i>International Journal of Theoretical Physics</i> , 1983, 22, 931-946.	0.5	16
185	Conditions for the complete integrability of a dynamical system admitting alternative lagrangians. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983, 97, 88-90.	0.9	25
186	Universal unfolding of Hamiltonian systems: From symplectic structure to fiber bundles. <i>Physical Review D</i> , 1983, 27, 2327-2340.	1.6	23
187	Monopole Topology and the Problem of Color. <i>Physical Review Letters</i> , 1983, 50, 1553-1555.	2.9	104
188	Separability in relativistic Hamiltonian particle dynamics. <i>Physical Review D</i> , 1982, 26, 3492-3498.	1.6	10
189	A Lagrangian approach to the no-interaction theorem. <i>Il Nuovo Cimento A</i> , 1982, 69, 175-186.	0.2	12
190	Relativistic-particle interactions – A third world view. <i>Il Nuovo Cimento A</i> , 1982, 67, 121-142.	0.2	8
191	Liouville dynamics and Poisson brackets. <i>Journal of Mathematical Physics</i> , 1981, 22, 835-842.	0.5	14
192	Equivalent descriptions of classical dynamical systems: Some differential geometric remarks. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1981, 66, 34-46.	0.2	14
193	Magnetic monopoles with no strings. <i>Nuclear Physics B</i> , 1980, 162, 385-396.	0.9	43
194	Supersymmetric point particles and monopoles with no strings. <i>Nuclear Physics B</i> , 1980, 164, 427-444.	0.9	26
195	Reduction of symplectic manifolds through constants of the motion. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1979, 50, 21-36.	0.2	12
196	A general setting for reduction of dynamical systems. <i>Journal of Mathematical Physics</i> , 1979, 20, 856-860.	0.5	17
197	Ambiguities in the Lagrangian and Hamiltonian formalism: Transformation properties. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1977, 40, 67-89.	0.2	51
198	Lagrangian and Hamiltonian formalisms: An analysis of classical mechanics on tangent and cotangent bundles. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1976, 31, 152-172.	0.2	9