Anatol Odzijewicz

List of Publications by Year in descending order

66 papers	637 citations	759233 12 h-index	610901 24 g-index
66 all docs	66 docs citations	66 times ranked	132 citing authors

#	Article	IF	Citations
1	Second order q-difference equations solvable by factorization method. Journal of Computational and Applied Mathematics, 2006, 193, 319-346.	2.0	76
2	On reproducing kernels and quantization of states. Communications in Mathematical Physics, 1988, 114, 577-597.	2.2	67
3	Coherent states and geometric quantization. Communications in Mathematical Physics, 1992, 150, 385-413.	2.2	65
4	{Quantum Algebras and q-Special Functions Related to Coherent States Maps of the Disc. Communications in Mathematical Physics, 1998, 192, 183-215.	2.2	60
5	Banach Lie-Poisson Spaces and Reduction. Communications in Mathematical Physics, 2003, 243, 1-54.	2.2	53
6	Integrable multi-boson systems and orthogonal polynomials. Journal of Physics A, 2001, 34, 4353-4376.	1.6	28
7	Solutions of theq-deformed SchrÃ¶dinger equation for special potentials. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 2023-2036.	2.1	27
8	Some integrable systems in nonlinear quantum optics. Journal of Mathematical Physics, 2003, 44, 480.	1.1	22
9	Coherent states map for MICâ€“Kepler system. Journal of Mathematical Physics, 1997, 38, 5010-5030.	1.1	15
10	Extensions of Banach Lieâ€“Poisson spaces. Journal of Functional Analysis, 2004, 217, 103-125.	1.4	15
11	The qâ€deformation of quantum mechanics of one degree of freedom. Journal of Mathematical Physics, 1995, 36, 1681-1690.	1.1	13
12	Integrable Hamiltonian systems related to the Hilbertâ€“Schmidt ideal. Journal of Geometry and Physics, 2011, 61, 1426-1445.	1.4	13
13	Extensions of $ C^*$-algebras by partial isometries. Sbornik Mathematics, 2004, 195, 951-982.	0.6	12
14	Factorization method for second order functional equations. Journal of Computational and Applied Mathematics, 2005, 176, 331-355.	2.0	12
15	A conformal holomorphic field theory. Communications in Mathematical Physics, 1986, 107, 561-575.	2.2	11
16	Positive kernels and quantization. Journal of Geometry and Physics, 2013, 63, 80-98.	1.4	11
17	Quantum complex Minkowski space. Journal of Geometry and Physics, 2006, 56, 1576-1599.	1.4	9
18	sl(2,R) symmetry and solvable multiboson systems. Journal of Mathematical Physics, 2007, 48, 023508.	1.1	9

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19	Systems with intensity-dependent conversion integrable by finite orthogonal polynomials. Journal of Physics A, 2004, 37, 6115-6128.	1.6	8
20	Hierarchy of integrable Hamiltonians describing the nonlinearn-wave interaction. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 045204.	2.1	7
21	A model of conformal kinematics. International Journal of Theoretical Physics, 1976, 15, 575-593.	1.2	6
22	Two-twistor conformal Hamiltonian spaces. Reports on Mathematical Physics, 1986, 24, 65-80.	0.8	6
23	The Darboux-like transform and some integrable cases of theq-Riccati equation. Journal of Physics A, 2002, 35, 747-757.	1.6	6
24	Explicitly solvable models of a two-mode coupler in Kerr media. Physical Review A, 2007, 75, .	2.5	6
25	Hierarchy of Hamilton equations on Banach Lieâ€“Poisson spaces related to restricted Grassmannian. Journal of Functional Analysis, 2010, 258, 3266-3294.	1.4	6
26	Banachâ€“Lie algebroids associated to the groupoid of partially invertible elements of a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:msup><mml:mrow><mml:mi>W</mml:mi></mml:mrow><mml:mrow><mml:mo>â^—</mml:mo></mml:mrow> Journal of Geometry and Physics, 2015, 95, 108-126.	1.4	6
27	Classical and quantum Kummer shape algebras. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 265202.	2.1	6
28	Twistor flag spaces as phase spaces of conformal particles. Letters in Mathematical Physics, 1979, 3, 325-334.	1.1	5
29	General difference calculus and its application to functional equations of the second order. European Physical Journal D, 2002, 52, 1219-1224.	0.4	5
30	Noncommutative KÃhler-like structures in quantization. Journal of Geometry and Physics, 2007, 57, 1259-1278.	1.4	5
31	Induced and coinduced Banach Lieâ€“Poisson spaces and integrability. Journal of Functional Analysis, 2008, 255, 1225-1272.	1.4	5
32	Banachâ€“Lie groupoids associated to W^*-algebras. Journal of Symplectic Geometry, 2016, 14, 687-736.	0.5	4
33	Classical and quantum mechanics on the unit ball in Cn. Reports on Mathematical Physics, 1986, 24, 351-363.	0.8	3
34	Para-Grassmann Star Product Calculation. Letters in Mathematical Physics, 1998, 43, 199-209.	1.1	3
35	Change of Variables in Factorization Method for Second-order Functional Equations. European Physical Journal D, 2004, 54, 1257-1263.	0.4	3
36	Induction for weak symplectic Banach manifolds. Journal of Geometry and Physics, 2008, 58, 701-719.	1.4	3

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37	Integrable relativistic systems given by Hamiltonians with momentum-spin-orbit coupling. Regular and Chaotic Dynamics, 2012, 17, 492-505.	0.8	3
38	Fiber-wise linear Poisson structures related to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml1" display="inline" overflow="scroll" altimg="si1.gif"><mml:msup><mml:mrow><mml:mi>W</mml:mi></mml:mrow><mml:mrow><mml:mo>â^—</mml:mo></mml:mrow></ Journal of Geometry and Physics, 2018, 123, 385-423.	1.4	3
39	An integrable (classical and quantum) four-wave mixing Hamiltonian system. Journal of Mathematical Physics, 2020, 61, 073503.	1.1	3
40	Conformal invariant symplectic structures (semisimple case). Reports on Mathematical Physics, 1977, 12, 407-421.	0.8	2
41	Coherent state maps related to the bounded positive operators. Journal of Mathematical Physics, 2007, 48, 123514.	1.1	2
42	Integrability and correspondence of classical and quantum non-linear three-mode systems. Journal of Mathematical Physics, 2018, 59, .	1.1	2
43	A Family of Integrable Perturbed Kepler Systems. Russian Journal of Mathematical Physics, 2019, 26, 368-383.	1.5	2
44	A holomorphic field theory. Letters in Mathematical Physics, 1984, 8, 329-335.	1.1	1
45	Coherent states for deformed Jaynes-Cummings model. Reports on Mathematical Physics, 1997, 40, 277-283.	0.8	1
46	Operator algebras related to quantum optical systems and integrations. European Physical Journal D, 2002, 52, 1231-1237.	0.4	1
47	The Exact Solution of the Eigenvalue Problem for the Parametric Down Conversion Process in the Kerr Medium. European Physical Journal D, 2003, 53, 1015-1020.	0.4	1
48	Complex Minkowski Space as a Conformal Phase Space. AIP Conference Proceedings, 2005, , .	0.4	1
49	Quantum ball as an example of quantum KÃhler manifold. Journal of Geometry and Physics, 2009, 59, 279-294.	1.4	1
50	Poisson Geometry Related to Atiyah Sequences. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , .	0.5	1
51	Covariant and Contravariant Berezin Symbols of Bounded Operators. , 1994, , 99-108.		1
52	Integrable Hamiltonian Systems on the Symplectic Realizations of $$extbf{e}(3)^*$$. Russian Journal of Mathematical Physics, 2022, 29, 91-114.	1.5	1
53	Integrable fermion systems with fourth-order nonlinearity. European Physical Journal D, 2006, 56, 1161-1165.	0.4	0
54	Integrability of one-mode bosonic systems with sl(2,R) symmetry. AIP Conference Proceedings, 2007, , .	0.4	0

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55	Example of the twoâ€“mode bosonic system integrable by the dual Hahn polynomials. AIP Conference Proceedings, 2007, , .	0.4	0
56	Some Integrable Systems on the Banach Lieâ€”Poisson Space iRâŠ•u[sub res][sup 1]. , 2009, , .		0
57	Quantum Ball. , 2009, , .		0
58	Towards the Geometry of Reproducing Kernels. , 2010, , .		0
59	Coherent State Maps for Kummer Shapes. Springer Proceedings in Physics, 2018, , 119-133.	0.2	0
60	Some Aspects of Positive Kernel Method of Quantization. Communications in Mathematical Physics, 0, , 1.	2.2	0
61	Banach Lie-Poisson Spaces. World Scientific Monograph Series in Mathematics, 2005, , 113-127.	0.1	0
62	Coherent State Method in Geometric Quantization. World Scientific Monograph Series in Mathematics, 2005, , 47-78.	0.1	0
63	COHERENT STATE MAP AND DEFORMATIONS OF MOYAL PRODUCT. , 2006, , .		0
64	COHERRENT STATES FOR REDUCED PHASE SPACES. , 1993, , .		0
65	The q-Deformed Quantum Mechanics in the Coherent States Map Approach. , 1995, , 225-231.		0
66	Standard Groupoids of von Neumann Algebras. Trends in Mathematics, 2020, , 31-39.	0.1	0