

Ziemowit Popowicz

List of Publications by Year in descending order

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62
papers

738
citations

516561

16
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552653

26
g-index

63
all docs

63
docs citations

63
times ranked

154
citing authors

#	ARTICLE	IF	CITATIONS
1	The bi-Hamiltonian structure of fully supersymmetric Korteweg-de Vries systems. Communications in Mathematical Physics, 1991, 139, 441-460. A 2-component or  overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	1.0	116
2	The Lax formulation of the $N=2$ SUSY KdV equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 174, 411-415.	0.9	67
3	A two-component generalization of the Degasperis-Procesi equation. Journal of Physics A, 2006, 39, 13717-13726.	1.6	39
4	Supersymmetric extensions of the Harry Dym hierarchy. Journal of Mathematical Physics, 2003, 44, 4756.	0.5	32
5	A four-component Camassa-Holm type hierarchy. Journal of Geometry and Physics, 2014, 85, 29-39.	0.7	29
6	The extended supersymmetrization of the multicomponent Kadomtsev - Petviashvili hierarchy. Journal of Physics A, 1996, 29, 1281-1291.	1.6	28
7	Differential-algebraic integrability analysis of the generalized Riemann type and Korteweg-de Vries hydrodynamical equations. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 295205.	0.7	25
8	Supersymmetric polytropic gas dynamics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 296, 15-26.	0.9	24
9	S U S Y 2. Computer Physics Communications, 1997, 100, 277-296.	3.0	23
10	Riemann-Hilbert Transforms and Bianchi-Bäcklund Transformations for the Supersymmetric Yang-Mills Fields. Physical Review Letters, 1984, 52, 1940-1943.	2.9	21
11	The extended supersymmetrization of the nonlinear Schrödinger equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 194, 375-379.	0.9	19
12	Supersymmetric reciprocal transformation and its applications. Journal of Mathematical Physics, 2010, 51, 093511.	0.5	19
13	The non-polynomial conservation laws and integrability analysis of generalized Riemann type hydrodynamical equations. Nonlinearity, 2010, 23, 2517-2537.	0.6	19
14	Double extended cubic peakon equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1240-1245.	0.9	18
15	The Lax formulation of the $N = 2$ SUSY Boussinesq equation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 319, 478-484.	1.5	17
16	Odd Hamiltonian structure for supersymmetric Sawada-Kotera equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 3315-3323.	0.9	15
17	The generalized Harry Dym equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 317, 260-264.	0.9	14
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#	ARTICLE	IF	CITATIONS
19	The matrix Lax representation of the generalized Riemann equations and its conservation laws. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3268-3272.	0.9	10
20	A non-standard Lax formulation of the Harry Dym hierarchy and its supersymmetric extension. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 122001.	0.7	10
21	LAX PAIRS FOR N=2,3 SUPERSYMMETRIC KdV EQUATIONS AND THEIR EXTENSIONS. Modern Physics Letters A, 1998, 13, 1435-1443.	0.5	9
22	Properties of Moyal's Lax representation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 510, 264-270.	1.5	9
23	Supersymmetric Moyal-Lax representation. Journal of Physics A, 2001, 34, 6105-6117.	1.6	9
24	Deformed Harry Dym and Hunter's Zheng equations. Journal of Mathematical Physics, 2004, 45, 2646-2655.	0.5	9
25	The even and odd supersymmetric Hunter's Saxton and Liouville equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 375, 29-35.	0.9	8
26	Representations of the CAR generated by the representations of the CCR III. non-Fock extension. Reports on Mathematical Physics, 1977, 11, 73-80.	0.4	7
27	The Liouville's Bäcklund transformation for the two-dimensional SU(N) Toda lattice. Journal of Mathematical Physics, 1984, 25, 2212-2216.	0.5	7
28	The generalized non-abelian Toda lattice. Zeitschrift für Physik C-Particles and Fields, 1983, 19, 79-81.	1.5	6
29	THE SUPER W3 CONFORMAL ALGEBRA AND THE BOUSSINESQ HIERARCHY. International Journal of Modern Physics A, 1994, 09, 2001-2011.	0.5	6
30	A Nonlinearly Dispersive Fifth Order Integrable Equation and its Hierarchy. Journal of Nonlinear Mathematical Physics, 2005, 12, 105.	0.8	6
31	Two-component coupled KdV equations and its connection with the generalized Harry Dym equations. Journal of Mathematical Physics, 2014, 55, .	0.5	6
32	Some remarks about the lattice chiral field. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 81, 235-236.	0.9	5
33	Dispersionless sTB. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 272, 65-73.	0.9	5
34	New nonlocal charges in SUSY-B integrable models. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 274, 30-36.	0.9	5
35	Lax representations for matrix short pulse equations. Journal of Mathematical Physics, 2017, 58, .	0.5	5
36	A camassa-Holm equation interacted with the degasperis-procesi equation. European Physical Journal D, 2006, 56, 1263-1268.	0.4	4

#	ARTICLE	IF	CITATIONS
37	Integrable system constructed out of two interacting superconformal fields. Journal of Physics A, 1997, 30, 7935-7944.	1.6	3
38	Extensions of the $N = 2$ supersymmetric $\hat{a} = 2$ Boussinesq hierarchy. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 236, 455-461.	0.9	3
39	Integrable extensions of $N = 2$ supersymmetric KdV hierarchy associated with the nonuniqueness of the roots of the Lax operator. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 249, 204-208.	0.9	3
40	Non-polynomial conservation law densities generated by the symmetry operators in some hydrodynamical models. Journal of Physics A, 2003, 36, 8463-8472.	1.6	3
41	The two-component Kaup-Kupershmidt equation. Journal of Physics A, 2004, 37, L511-L516.	1.6	3
42	$N = 2$ Supercomplexification of the Korteweg-de Vries, Sawada-Kotera and Kaup-Kupershmidt Equations. Journal of Nonlinear Mathematical Physics, 2019, 26, 294.	0.8	3
43	$B_{\frac{1}{2}}$ transformations for the generalized sine-gordon equation in 2+1 and 3+1 dimensions. Letters in Mathematical Physics, 1979, 3, 431-436.	0.5	2
44	Comment on "New exact solutions of the classical sine-Gordon equation in 2+1 and 3+1 dimensions". Physical Review D, 1981, 23, 2482-2483.	1.6	2
45	Alternative dispersionless limit of $N=2$ supersymmetric KdV-type hierarchies. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 302, 87-93.	0.9	2
46	$Thesl(2n 2n)(1)$ super-Toda lattices and the heavenly equations as continuum limit. Journal of Physics A, 2005, 38, 7773-7783.	1.6	2
47	The gauge field copies through the Bäcklund transformation for the Liouville equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 111, 336-338.	0.9	1
48	Connection formulae for the Kametake and Bäcklund transformation for the toda lattice. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 116, 255-256.	0.9	1
49	Darboux transformation and special solutions for the two-dimensional toda lattice. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 125, 247-249.	0.9	1
50	A Benney-Like Lattice. European Physical Journal D, 2003, 53, 1021-1026.	0.4	1
51	The $N=2$ supersymmetric heavenly equation and its super-hydrodynamical reduction. Journal of Physics A, 2003, 36, 9701-9709.	1.6	1
52	Bosonic reduction of susy generalized Harry Dym equation. Journal of Physics A, 2004, 37, 8031-8044.	1.6	1
53	Susy Generalized Harry Dym Equation and Its Bosonic Reduction. European Physical Journal D, 2004, 54, 1209-1214.	0.4	1
54	The Painleve Ping-Pong P IV. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 103, 182-185.	0.9	0

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55	Supersymmetric Kac-Moody algebra in graded-chiral models. Letters in Mathematical Physics, 1984, 8, 81-89.	0.5	0
56	Nonlocal charges in susy integrable models. European Physical Journal D, 2000, 50, 1341-1345.	0.4	0
57	Properties of Moyal-Lax representation. European Physical Journal D, 2001, 51, 1426-1430.	0.4	0
58	N = 1, 2 supersymmetric non-local gas equation. European Physical Journal D, 2005, 55, 1373-1378.	0.4	0
59	Does the supersymmetric integrability imply the integrability of Bosonic sector. , 2010, , .		0
60	A four component cubic peakon (4CH) equation. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 285204.	0.7	0
61	The Integrability of New Two-Component KdV Equation. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2010, , .	0.5	0
62	THE SUPERSYMMETRIC $SL(2, C)$ KAC-MOODY ALGEBRA AND THE SUPERSYMMETRIC KORTEWEG DE VRIES EQUATION. , 1996, , 197-209.		0