

Sarah Post

List of Publications by Year in descending order

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29
papers

562
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1040056

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677142

22
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all docs

29
docs citations

29
times ranked

166
citing authors

#	ARTICLE	IF	CITATIONS
1	Classical and quantum superintegrability with applications. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 423001.	2.1	192
2	Wilson polynomials and the generic superintegrable system on the 2-sphere. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, 11525-11538.	2.1	61
3	An infinite family of superintegrable deformations of the Coulomb potential. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 222001.	2.1	54
4	Families of superintegrable Hamiltonians constructed from exceptional polynomials. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 405202.	2.1	41
5	General N th order integrals of motion in the Euclidean plane. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 405201.	2.1	24
6	Supersymmetric quantum mechanics with reflections. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 435301.	2.1	20
7	A nonseparable quantum superintegrable system in 2D real Euclidean space. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 162001.	2.1	19
8	Laplace-type equations as conformal superintegrable systems. <i>Advances in Applied Mathematics</i> , 2011, 46, 396-416.	0.7	13
9	Models of Quadratic Algebras Generated by Superintegrable Systems in 2D. <i>Symmetry, Integrability and Geometry: Methods and Applications (SIGMA)</i> , 2011, , .	0.5	13
10	Infinite families of superintegrable systems separable in subgroup coordinates. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 465204.	2.1	11
11	A superintegrable finite oscillator in two dimensions with $SU(2)$ symmetry. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 125207.	2.1	11
12	Invariant Classification and Limits of Maximally Superintegrable Systems in 3D. <i>Symmetry, Integrability and Geometry: Methods and Applications (SIGMA)</i> , 0, , .	0.5	11
13	Models for the 3D singular isotropic oscillator quadratic algebra. <i>Physics of Atomic Nuclei</i> , 2010, 73, 359-366.	0.4	9
14	Lie symmetries and superintegrability. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 482001.	2.1	9
15	Third-order superintegrable systems with potentials satisfying only nonlinear equations. <i>Journal of Mathematical Physics</i> , 2015, 56, .	1.1	9
16	Models of quadratic quantum algebras and their relation to classical superintegrable systems. <i>Physics of Atomic Nuclei</i> , 2009, 72, 801-808.	0.4	7
17	Coupling constant metamorphosis, the Stäckel transform and superintegrability. <i>AIP Conference Proceedings</i> , 2010, , .	0.4	7
18	Racah Polynomials and Recoupling Schemes of $su(1,1)$. <i>Symmetry, Integrability and Geometry: Methods and Applications (SIGMA)</i> , 0, , .	0.5	7

#	ARTICLE	IF	CITATIONS
19	Soliton surfaces associated with generalized symmetries of integrable equations. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 165203.	2.1	6
20	Algebraic calculations for spectrum of superintegrable system from exceptional orthogonal polynomials. Annals of Physics, 2018, 391, 203-215.	2.8	6
21	A fourth-order superintegrable system with a rational potential related to Painlevé VI. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 50LT01.	2.1	6
22	Soliton surfaces associated with sigma models: differential and algebraic aspects. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 395208.	2.1	5
23	Quantum Perfect State Transfer in a 2D Lattice. Acta Applicandae Mathematicae, 2015, 135, 209-224.	1.0	5
24	q -Rotations and Krawtchouk polynomials. Ramanujan Journal, 2016, 40, 335-357.	0.7	5
25	An algebraic interpretation of the multivariate q -Krawtchouk polynomials. Ramanujan Journal, 2017, 43, 415-445.	0.7	5
26	An infinite family of superintegrable Hamiltonians with reflection in the plane. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 505201.	2.1	2
27	Soliton surfaces via a zero-curvature representation of differential equations. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 115204.	2.1	2
28	A family of fourth-order superintegrable systems with rational potentials related to Painlevé VI. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 155201.	2.1	2
29	An Infinite-Dimensional q -Module Obtained from the q -Shuffle Algebra for Affine sl_{2} . Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , .	0.5	0