Sarah Post

List of Publications by Year
in descending order

29 papers	562 citations	1040056 9 h-index	677142 22 g-index
29 all docs	29 docs citations	29 times ranked	166 citing authors

#	Article	IF	Citations
1	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
2	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
3	Algebraic calculations for spectrum of superintegrable system from exceptional orthogonal polynomials. Annals of Physics, 2018, 391, 203-215.	2.8	6
4	An algebraic interpretation of the multivariate q-Krawtchouk polynomials. Ramanujan Journal, 2017, 43, 415-445.	0.7	5
5	$$q$$ q -Rotations and Krawtchouk polynomials. Ramanujan Journal, 2016, 40, 335-357.	0.7	5
6	General Nth order integrals of motion in the Euclidean plane. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 405201.	2.1	24
7	Third-order superintegrable systems with potentials satisfying only nonlinear equations. Journal of Mathematical Physics, 2015, 56, .	1.1	9
8	Quantum Perfect State Transfer in a 2D Lattice. Acta Applicandae Mathematicae, 2015, 135, 209-224.	1.0	5
9	Classical and quantum superintegrability with applications. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 423001.	2.1	192
10	A superintegrable finite oscillator in two dimensions with SU(2) symmetry. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 125207.	2.1	11
11	Soliton surfaces associated with sigma models: differential and algebraic aspects. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 395208.	2.1	5
12	Families of superintegrable Hamiltonians constructed from exceptional polynomials. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 405202.	2.1	41
13	Lie symmetries and superintegrability. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 482001.	2.1	9
14	Soliton surfaces via a zero-curvature representation of differential equations. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 115204.	2.1	2
15	Infinite families of superintegrable systems separable in subgroup coordinates. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 465204.	2.1	11
16	An infinite family of superintegrable Hamiltonians with reflection in the plane. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 505201.	2.1	2
17	Supersymmetric quantum mechanics with reflections. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 435301.	2.1	20
18	Laplace-type equations as conformal superintegrable systems. Advances in Applied Mathematics, 2011, 46, 396-416.	0.7	13

#	Article	IF	Citations
19	A nonseparable quantum superintegrable system in 2D real Euclidean space. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 162001.	2.1	19
20	Soliton surfaces associated with generalized symmetries of integrable equations. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 165203.	2.1	6
21	Models of Quadratic Algebras Generated by Superintegrable Systems in 2D. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2011, , .	0.5	13
22	Models for the 3D singular isotropic oscillator quadratic algebra. Physics of Atomic Nuclei, 2010, 73, 359-366.	0.4	9
23	Coupling constant metamorphosis, the Staǹ̂ckel transform and superintegrability. AIP Conference Proceedings, 2010, , .	0.4	7
24	An infinite family of superintegrable deformations of the Coulomb potential. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 222001.	2.1	54
25	Models of quadratic quantum algebras and their relation to classical superintegrable systems. Physics of Atomic Nuclei, 2009, 72, 801-808.	0.4	7
26	Wilson polynomials and the generic superintegrable system on the 2-sphere. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 11525-11538.	2.1	61
27	Invariant Classification and Limits of Maximally Superintegrable Systems in 3D. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , .	0.5	11
28	Racah Polynomials and Recoupling Schemes of su(1,1). Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , .	0.5	7
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