

Howard S Cohl

List of Publications by Year in descending order

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44
papers

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20
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46
all docs

46
docs citations

46
times ranked

355
citing authors

#	ARTICLE	IF	CITATIONS
1	Utility of integral representations for basic hypergeometric functions and orthogonal polynomials. Ramanujan Journal, 2023, 61, 649-674.	0.7	1
2	Comparative Verification of the Digital Library of Mathematical Functions and Computer Algebra Systems. Lecture Notes in Computer Science, 2022, , 87-105.	1.3	2
3	Multi-Integral Representations for Associated Legendre and Ferrers Functions. Symmetry, 2020, 12, 1598.	2.2	5
4	Terminating Basic Hypergeometric Representations and Transformations for the Askey-Wilson Polynomials. Symmetry, 2020, 12, 1290.	2.2	3
5	Discovering Mathematical Objects of Interest - A Study of Mathematical Notations. , 2020, , .		11
6	Semantic preserving bijective mappings for expressions involving special functions between computer algebra systems and document preparation systems. Aslib Journal of Information Management, 2019, 71, 415-439.	2.1	7
7	On a generalization of the Rogers generating function. Journal of Mathematical Analysis and Applications, 2019, 475, 1019-1043.	1.0	3
8	Some Generating Functions for q-Polynomials. Symmetry, 2018, 10, 758.	2.2	1
9	Improving the Representation and Conversion of Mathematical Formulae by Considering their Textual Context. , 2018, 39, .		20
10	Fundamental Solutions and Gegenbauer Expansions of Helmholtz Operators in Riemannian Spaces of Constant Curvature. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2018, 14, .	0.5	7
11	Automated Symbolic and Numerical Testing of DLMF Formulae Using Computer Algebra Systems. Lecture Notes in Computer Science, 2018, , 39-52.	1.3	3
12	MathTools: An Open API for Convenient MathML Handling. Lecture Notes in Computer Science, 2018, , 104-110.	1.3	1
13	VMEXT: A Visualization Tool for Mathematical Expression Trees. Lecture Notes in Computer Science, 2017, , 340-355.	1.3	7
14	Semantic Preserving Bijective Mappings of Mathematical Formulae Between Document Preparation Systems and Computer Algebra Systems. Lecture Notes in Computer Science, 2017, , 115-131.	1.3	7
15	Sampling architectures for ultra-wideband signals. , 2017, , .		3
16	Semantification of Identifiers in Mathematics for Better Math Information Retrieval. , 2016, , .		32
17	Convergence of Magnus integral addition theorems for confluent hypergeometric functions. Integral Transforms and Special Functions, 2016, 27, 767-774.	1.2	0
18	Report from the Open Problems Session at OPSFA13. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2016, 12, .	0.5	0

#	ARTICLE	IF	CITATIONS
19	UWB signal processing: Projection, B-splines, and modified Gegenbauer bases. , 2015, , .		5
20	Measurement and analysis of the lowest resonant mode of a spherical annularâ€”sector patch antenna. IET Microwaves, Antennas and Propagation, 2015, 9, 95-100.	1.4	1
21	Generalizations of generating functions for higher continuous hypergeometric orthogonal polynomials in the Askey scheme. Journal of Mathematical Analysis and Applications, 2015, 427, 377-398.	1.0	2
22	Challenges of Mathematical Information Retrieval in the NTCIR-11 Math Wikipedia Task. , 2015, , .		19
23	Expansions for a fundamental solution of Laplace's equation on \mathbb{S}^3 in 5-cyclidic harmonics. Analysis and Applications, 2014, 12, 613-633.	2.2	2
24	Digital Repository of Mathematical Formulae. Lecture Notes in Computer Science, 2014, , 419-422.	1.3	7
25	On a generalization of the generating function for Gegenbauer polynomials. Integral Transforms and Special Functions, 2013, 24, 807-816.	1.2	23
26	Generalizations of generating functions for hypergeometric orthogonal polynomials with definite integrals. Journal of Mathematical Analysis and Applications, 2013, 407, 211-225.	1.0	8
27	Fourier, Gegenbauer and Jacobi Expansions for a Power-Law Fundamental Solution of the Polyharmonic Equation and Polyspherical Addition Theorems. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2013, , .	0.5	10
28	Generalizations and specializations of generating functions for Jacobi, Gegenbauer, Chebyshev and Legendre polynomials with definite integrals. Journal of Classical Analysis, 2013, , 17-33.	0.2	3
29	Eigenfunction expansions for a fundamental solution of Laplace's equation on \mathbb{R}^3 in parabolic and elliptic cylinder coordinates. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 355204.	2.1	6
30	Table Errata to "Formulas and theorems for the special functions of mathematical physics" by W. Magnus, F. Oberhettinger & R. P. Soni (1966). Mathematics of Computation, 2012, 81, 2251-2251.	2.1	0
31	Definite Integrals using Orthogonality and Integral Transforms. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2012, , .	0.5	0
32	Fourier and Gegenbauer expansions for a fundamental solution of the Laplacian in the hyperboloid model of hyperbolic geometry. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 145206.	2.1	20
33	Generalized Heine's identity for complex Fourier series of binomials. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 333-345.	2.1	12
34	n Parameter Differentiation for Integral Representations of Associated Legendre Functions. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2011, , .	0.5	3
35	Fundamental Solution of Laplace's Equation in Hyperspherical Geometry. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2011, , .	0.5	7
36	Exact Fourier expansion in cylindrical coordinates for the three-dimensional Helmholtz Green function. Zeitschrift Fur Angewandte Mathematik Und Physik, 2010, 61, 425-443.	1.4	19

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37	Derivatives with respect to the degree and order of associated Legendre functions for $ z > 1$ using modified Bessel functions. <i>Integral Transforms and Special Functions</i> , 2010, 21, 581-588.	1.2	8
38	On the relative motions of dense cores and envelopes in star-forming molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 374, 1198-1206.	4.4	15
39	Useful alternative to the multipole expansion of $1/r$ potentials. <i>Physical Review A</i> , 2001, 64, .	2.5	42
40	A Compact Cylindrical Green's Function Expansion for the Solution of Potential Problems. <i>Astrophysical Journal</i> , 1999, 527, 86-101.	4.5	111
41	The solar white-light flare of 1989 March 7 - Simultaneous multiwavelength observations at high time resolution. <i>Astrophysical Journal</i> , 1993, 406, 306.	4.5	50
42	Dynamic instabilities in rotating, low-mass protostars during early disk formation. <i>Icarus</i> , 1991, 91, 14-28.	2.5	12
43	Gauss Hypergeometric Representations of the Ferrers Function of the Second Kind. <i>Symmetry, Integrability and Geometry: Methods and Applications (SIGMA)</i> , 0, , .	0.5	1
44	Fourier and Gegenbauer Expansions for a Fundamental Solution of Laplace's Equation in Hyperspherical Geometry. <i>Symmetry, Integrability and Geometry: Methods and Applications (SIGMA)</i> , 0, , .	0.5	4