Howard S Cohl

List of Publications by Year
in descending order

44	512	1039406 9	752256 20
papers	citations	h-index	g-index

46	46	46	355
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Utility of integral representations for basic hypergeometric functions and orthogonal polynomials. Ramanujan Journal, 2023, 61, 649-674.	0.4	1
2	ComparativeÂVerification of the Digital Library of Mathematical Functions and Computer Algebra Systems. Lecture Notes in Computer Science, 2022, , 87-105.	1.0	2
3	Multi-Integral Representations for Associated Legendre and Ferrers Functions. Symmetry, 2020, 12, 1598.	1.1	5
4	Terminating Basic Hypergeometric Representations and Transformations for the Askeyâ€“Wilson Polynomials. Symmetry, 2020, 12, 1290.	1.1	3
5	Discovering Mathematical Objects of Interestâ€”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.	1.3	7
7	On a generalization of the Rogers generating function. Journal of Mathematical Analysis and Applications, 2019, 475, 1019-1043.	0.5	3
8	Some Generating Functions for q-Polynomials. Symmetry, 2018, 10, 758.	1.1	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.	1.0	3
12	MathTools: An Open API for Convenient MathML Handling. Lecture Notes in Computer Science, 2018, , 104-110.	1.0	1
13	VMEXT: A Visualization Tool for Mathematical Expression Trees. Lecture Notes in Computer Science, 2017, , 340-355.	1.0	7
14	Semantic Preserving Bijective Mappings ofÂMathematical Formulae Between Document Preparation Systems and Computer AlgebraÂSystems. Lecture Notes in Computer Science, 2017, , 115-131.	1.0	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.	0.8	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.	0.7	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.	0.5	2
22	Challenges of Mathematical Information Retrievalin the NTCIR-11 Math Wikipedia Task. , 2015, , .		19
23	Expansions for a fundamental solution of Laplace's equation on â„³ in 5-cyclidic harmonics. Analysis and Applications, 2014, 12, 613-633.	1.2	2
24	Digital Repository of Mathematical Formulae. Lecture Notes in Computer Science, 2014, , 419-422.	1.0	7
25	On a generalization of the generating function for Gegenbauer polynomials. Integral Transforms and Special Functions, 2013, 24, 807-816.	0.8	23
26	Generalizations of generating functions for hypergeometric orthogonal polynomials with definite integrals. Journal of Mathematical Analysis and Applications, 2013, 407, 211-225.	0.5	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.	0.1	3
29	Eigenfunction expansions for a fundamental solution of Laplaceâ€™s equation onR³in parabolic and elliptic cylinder coordinates. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 355204.	0.7	6
30	Table Errata to â€œFormulas and theorems for the special functions of mathematical physicsâ€•by W. Magnus, F. Oberhettinger & R. P. Soni (1966). Mathematics of Computation, 2012, 81, 2251-2251.	1.1	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.	0.7	20
33	Generalized Heineâ€™s identity for complex Fourier series of binomials. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 333-345.	1.0	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.	0.7	19

#	Article	IF	Citations
37	Derivatives with respect to the degree and order of associated Legendre functions for |z|>1 using modified Bessel functions. Integral Transforms and Special Functions, 2010, 21, 581-588.	0.8	8
38	On the relative motions of dense cores and envelopes in star-forming molecular clouds. Monthly Notices of the Royal Astronomical Society, 2007, 374, 1198-1206.	1.6	15
39	Useful alternative to the multipole expansion of1/rpotentials. Physical Review A, 2001, 64, .	1.0	42
40	A Compact Cylindrical Greenâ€™s Function Expansion for the Solution of Potential Problems. Astrophysical Journal, 1999, 527, 86-101.	1.6	111
41	The solar white-light flare of 1989 March 7 - Simultaneous multiwavelength observations at high time resolution. Astrophysical Journal, 1993, 406, 306.	1.6	50
42	Dynamic instabilities in rotating, low-mass protostars during early disk formation. Icarus, 1991, 91, 14-28.	1.1	12
43	Gauss Hypergeometric Representations of the Ferrers Function of the Second Kind. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , .	0.5	1
44	Fourier and Gegenbauer Expansions for a Fundamental Solution of Laplace's Equation in Hyperspherical Geometry. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , .	0.5	4