

Herbert H H Homeier

List of Publications by Year in descending order

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citations

304602

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46
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46
docs citations

46
times ranked

1424
citing authors

#	ARTICLE	IF	CITATIONS
1	Some weighted quadrature methods based upon the mean value theorems. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 3840-3856.	1.2	3
2	Symmetry-Based Design Strategy for Unprecedentedly Fast Decaying Thermally Activated Delayed Fluorescence (TADF). Application to Dinuclear Cu(I) Compounds. <i>Chemistry of Materials</i> , 2019, 31, 4392-4404.	3.2	51
3	Design of Conformationally Distorted Donor-Acceptor Dyads Showing Efficient Thermally Activated Delayed Fluorescence. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3692-3697.	2.1	36
4	Cu(I) complexes - Thermally activated delayed fluorescence. Photophysical approach and material design. <i>Coordination Chemistry Reviews</i> , 2016, 325, 2-28.	9.5	416
5	Series Prediction Based on Algebraic Approximants. <i>ISRN Applied Mathematics</i> , 2011, 2011, 1-7.	0.5	0
6	Organometallic Pt(II) and Ir(III) Triplet Emitters for OLED Applications and the Role of Spin-Orbit Coupling: A Study Based on High-Resolution Optical Spectroscopy. <i>Topics in Organometallic Chemistry</i> , 2010, , 193-235.	0.7	201
7	On Newton-type methods for multiple roots with cubic convergence. <i>Journal of Computational and Applied Mathematics</i> , 2009, 231, 249-254.	1.1	29
8	Spin-orbit coupling routes and OLED performance: studies of blue-light emitting Ir(III) and Pt(II) complexes. <i>Proceedings of SPIE</i> , 2007, , .	0.8	32
9	On Newton-type methods with cubic convergence. <i>Journal of Computational and Applied Mathematics</i> , 2005, 176, 425-432.	1.1	176
10	A modified Newton method with cubic convergence: the multivariate case. <i>Journal of Computational and Applied Mathematics</i> , 2004, 169, 161-169.	1.1	120
11	Programs for the approximation of real and imaginary single- and multi-valued functions by means of Hermite-Padé approximants. <i>Computer Physics Communications</i> , 2004, 158, 124-135.	3.0	22
12	A modified Newton method for rootfinding with cubic convergence. <i>Journal of Computational and Applied Mathematics</i> , 2003, 157, 227-230.	1.1	77
13	Spin-lattice relaxation in metal-organic platinum(II) complexes. <i>Chemical Physics Letters</i> , 2000, 316, 280-284.	1.2	9
14	Triplet sublevels of metal organic complexes - temperature dependence of spin-lattice relaxation. <i>Chemical Physics</i> , 2000, 255, 301-316.	0.9	28
15	Scalar Levin-type sequence transformations. <i>Journal of Computational and Applied Mathematics</i> , 2000, 122, 81-147.	1.1	49
16	On the Extrapolation of Perturbation Series. <i>Acta Applicandae Mathematicae</i> , 2000, 61, 133-147.	0.5	4
17	An improved program for molecular calculations with B functions. <i>Computational and Theoretical Chemistry</i> , 1999, 490, 201-217.	1.5	25
18	On the stability of the J transformation. <i>Numerical Algorithms</i> , 1998, 17, 223-239.	1.1	8

#	ARTICLE	IF	CITATIONS
19	Title is missing!. Numerical Algorithms, 1998, 18, 1-30.	1.1	4
20	The size-extensivity of correlation energy estimators based on effective characteristic polynomials. Computational and Theoretical Chemistry, 1997, 419, 29-31.	1.5	3
21	Correlation energy estimators based on MÅller-Plesset perturbation theory. Computational and Theoretical Chemistry, 1996, 366, 161-171.	1.5	7
22	Some properties of the coupling coefficients of real spherical harmonics and their relation to Gaunt coefficients. Computational and Theoretical Chemistry, 1996, 368, 31-37.	1.5	67
23	On convergence acceleration for the iterative solution of the inverse Dyson equation. Computational and Theoretical Chemistry, 1996, 368, 81-91.	1.5	2
24	Analytical and numerical studies of the convergence behavior of the j transformation. Journal of Computational and Applied Mathematics, 1996, 69, 81-112.	1.1	16
25	Comment on: A Gaussian quadrature for the optimal evaluation of integrals involving Lorentzians over a semi-infinite interval. Computer Physics Communications, 1996, 99, 77-80.	3.0	2
26	On remainder estimates for Levin-type sequence transformations. Computer Physics Communications, 1995, 92, 1-10.	3.0	23
27	Iterative solution of the Ornstein-Zernike equation with various closures using vector extrapolation. Computer Physics Communications, 1995, 92, 188-202.	3.0	19
28	Determinantal representations for the J transformation. Numerische Mathematik, 1995, 71, 275-288.	0.9	12
29	Calculation of multicenter electron repulsion integrals in Slater-type basis sets using the ρ -separation method. International Journal of Quantum Chemistry, 1995, 55, 9-22.	1.0	11
30	A hierarchically consistent, iterative sequence transformation. Numerical Algorithms, 1994, 8, 47-81.	1.1	22
31	Programs for the evaluation of nuclear attraction integrals with B functions. Computer Physics Communications, 1993, 77, 135-151.	3.0	21
32	Some applications of nonlinear convergence accelerators. International Journal of Quantum Chemistry, 1993, 45, 545-562.	1.0	35
33	Improved quadrature methods for the Fourier transform of a two-center product of exponential-type basis functions. International Journal of Quantum Chemistry, 1992, 41, 399-411.	1.0	53
34	On the evaluation of overlap integrals with exponential-type basis functions. International Journal of Quantum Chemistry, 1992, 42, 761-778.	1.0	45
35	On the combination of two methods for the calculation of multicenter integrals using exponential-type orbitals. International Journal of Quantum Chemistry, 1992, 44, 45-57.	1.0	6
36	Simplified derivation of a one-range addition theorem of the Yukawa potential. International Journal of Quantum Chemistry, 1992, 44, 405-411.	1.0	17

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37	Recent progress on representations for Coulomb integrals of exponential-type orbitals. Computational and Theoretical Chemistry, 1992, 260, 207-221.	1.5	29
38	A Levin-type algorithm for accelerating the convergence of Fourier series. Numerical Algorithms, 1992, 3, 245-254.	1.1	16
39	Programs for the evaluation of overlap integrals with B functions. Computer Physics Communications, 1992, 72, 269-287.	3.0	36
40	Improved quadrature methods for three-center nuclear attraction integrals with exponential-type basis functions. International Journal of Quantum Chemistry, 1991, 39, 625-645.	1.0	55
41	Möbius-Type quadrature of electron repulsion integrals with B functions. International Journal of Quantum Chemistry, 1990, 38, 349-363.	1.0	37
42	Numerical integration of functions with a sharp peak at or near one boundary using Möbius transformations. Journal of Computational Physics, 1990, 87, 61-72.	1.9	47
43	Resolution and contrast in the field ion microscope. Surface Science Letters, 1985, 152-153, A108.	0.1	0
44	Resolution and contrast in the field ion microscope. Surface Science, 1985, 152-153, 55-62.	0.8	4
45	Effects of local field variations on the contrast of a field-ion microscope. Journal Physics D: Applied Physics, 1983, 16, L115-L120.	1.3	21