

Jesus Sanchez-Dehesa

List of Publications by Year in descending order

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citations

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251
docs citations

251
times ranked

957
citing authors

#	ARTICLE	IF	CITATIONS
1	<sc>Complexity of the confined two-dimensional hydrogen. International Journal of Quantum Chemistry, 2021, 121, e26424.	1.0	6
2	Multidimensional hydrogenic states: position and momentum expectation values. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 065006.	0.6	5
3	Momentum disequilibrium and quantum entanglement of Rydberg multidimensional states. European Physical Journal Plus, 2021, 136, 1.	1.2	0
4	Spherical-Symmetry and Spin Effects on the Uncertainty Measures of Multidimensional Quantum Systems with Central Potentials. Entropy, 2021, 23, 607.	1.1	4
5	Entropy-Like Properties and L_q -Norms of Hypergeometric Orthogonal Polynomials: Degree Asymptotics. Symmetry, 2021, 13, 1416.	1.1	6
6	Rydberg multidimensional states: Rényi and Shannon entropies in momentum space. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 035305.	0.7	9
7	High Dimensional Atomic States of Hydrogenic Type: Heisenberg-like and Entropic Uncertainty Measures. Entropy, 2021, 23, 1339.	1.1	3
8	Complexity-like properties and parameter asymptotics of L_q -norms of Laguerre and Gegenbauer polynomials. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 495001.	0.7	3
9	Analytical Shannon information entropies for all discrete multidimensional hydrogenic states. International Journal of Quantum Chemistry, 2020, 120, e26077.	1.0	16
10	Dispersion and entropy-like measures of multidimensional harmonic systems: application to Rydberg states and high-dimensional oscillators. European Physical Journal Plus, 2020, 135, 1.	1.2	12
11	Two-dimensional confined hydrogen: An entropy and complexity approach. International Journal of Quantum Chemistry, 2020, 120, e26192.	1.0	29
12	The Shannon entropy of high-dimensional hydrogenic and harmonic systems. International Journal of Quantum Chemistry, 2019, 119, e25977.	1.0	22
13	Exact Shannon entropies for the multidimensional harmonic states. Physica A: Statistical Mechanics and Its Applications, 2019, 516, 273-279.	1.2	11
14	Linearization and Krein-like functionals of hypergeometric orthogonal polynomials. Journal of Mathematical Physics, 2018, 59, .	0.5	6
15	Rényi entropies for multidimensional hydrogenic systems in position and momentum spaces. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 073203.	0.9	14
16	The biparametric Fisher-Rényi complexity measure and its application to the multidimensional blackbody radiation. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 043408.	0.9	6
17	Entropic functionals of Laguerre and Gegenbauer polynomials with large parameters. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 215206.	0.7	13
18	Complexity measures and uncertainty relations of the high-dimensional harmonic and hydrogenic systems. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 083102.	0.9	21

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19	Entropic uncertainty measures for large dimensional hydrogenic systems. Journal of Mathematical Physics, 2017, 58, .	0.5	25
20	Biparametric complexities and generalized Planck radiation law. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 505001.	0.7	6
21	Entropic measures of Rydberg-like harmonic states. International Journal of Quantum Chemistry, 2017, 117, 48-56.	1.0	34
22	Response to "Comment on "Entropy and complexity analysis of hydrogenic Rydberg atoms" [J. Math. Phys. 58, 104101 (2017)]. Journal of Mathematical Physics, 2017, 58, 104102.	0.5	2
23	On Generalized Stam Inequalities and Fisher-Rényi Complexity Measures. Entropy, 2017, 19, 493.	1.1	8
24	One-Parameter Fisher-Rényi Complexity: Notion and Hydrogenic Applications. Entropy, 2017, 19, 16.	1.1	12
25	Heisenberg and Entropic Uncertainty Measures for Large-Dimensional Harmonic Systems. Entropy, 2017, 19, 164.	1.1	16
26	Entropic properties of D -dimensional Rydberg systems. Physica A: Statistical Mechanics and Its Applications, 2016, 462, 1197-1206.	1.2	25
27	Heisenberg-like uncertainty measures for D -dimensional hydrogenic systems at large D . Journal of Mathematical Physics, 2016, 57, 082109.	0.5	11
28	Rényi entropies of the highly-excited states of multidimensional harmonic oscillators by use of strong Laguerre asymptotics. European Physical Journal B, 2016, 89, 1.	0.6	32
29	Study of the Chemical Space of Selected Bacteriostatic Sulfonamides from an Information Theory Point of View. ChemPhysChem, 2016, 17, 4003-4010.	1.0	7
30	Information-theoretic space from simple atomic and molecular systems to biological and pharmacological molecules. Theoretical Chemistry Accounts, 2016, 135, 1.	0.5	15
31	Monotone measures of statistical complexity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 377-380.	0.9	49
32	Extremum-entropy-based Heisenberg-like uncertainty relations. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 025301.	0.7	4
33	Rényi, Shannon and Tsallis entropies of Rydberg hydrogenic systems. Europhysics Letters, 2016, 113, 48003.	0.7	26
34	Predominant Information Quality Scheme for the Essential Amino Acids: An Information-Theoretical Analysis. ChemPhysChem, 2015, 16, 2571-2581.	1.0	13
35	Quantum entanglement in $(d+1)$ -spherium. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 475302.	0.7	9
36	Correlation energy as a measure of non-locality: Quantum entanglement of helium-like systems. Europhysics Letters, 2015, 111, 40009.	0.7	13

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37	Entropy and complexity analysis of the D -dimensional rigid rotator and hyperspherical harmonics. Journal of Mathematical Chemistry, 2015, 53, 573-589.	0.7	11
38	Quantum entanglement of helium-like systems with varying- Z : compact state-of-the-art CI wave functions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 175002.	0.6	15
39	Heisenberg-like and Fisher-information-based uncertainty relations for N -electron d -dimensional systems. Physical Review A, 2015, 91, .	1.0	9
40	Quantum information from selected elementary chemical reactions: Maximum entangled transition state. International Journal of Quantum Chemistry, 2015, 115, 1417-1430.	1.0	7
41	Complexity analysis of hypergeometric orthogonal polynomials. Journal of Computational and Applied Mathematics, 2015, 284, 144-154.	1.1	4
42	Quantum Entanglement and Chemical Reactivity. Journal of Chemical Theory and Computation, 2015, 11, 5144-5151.	2.3	11
43	Entropy and complexity properties of the d -dimensional blackbody radiation. European Physical Journal D, 2014, 68, 1.	0.6	8
44	Entanglement and the Born-Oppenheimer approximation in an exactly solvable quantum many-body system. European Physical Journal D, 2014, 68, 1.	0.6	26
45	Asymptotics ($\rightarrow_{p \rightarrow \infty}$) of L_p -norms of hypergeometric orthogonal polynomials. Journal of Mathematical Chemistry, 2014, 52, 283-300.	0.7	5
46	Frequency moments, L_q norms and Rényi entropies of general hypergeometric polynomials. Journal of Mathematical Chemistry, 2014, 52, 1372-1385.	0.7	3
47	Insight into the informational-structure behavior of the Diels-Alder reaction of cyclopentadiene and maleic anhydride. Journal of Molecular Modeling, 2014, 20, 2361.	0.8	12
48	A generalized complexity measure based on Rényi entropy. European Physical Journal D, 2014, 68, 1.	0.6	23
49	Entanglement in N -harmonium: bosons and fermions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 195503.	0.6	29
50	Pauli effects in uncertainty relations. Chemical Physics Letters, 2014, 614, 1-4.	1.2	13
51	Entropy and complexity analysis of hydrogenic Rydberg atoms. Journal of Mathematical Physics, 2013, 54, .	0.5	19
52	Information-theoretical analysis for the S_N 2 exchange reaction $CH_3 + F \rightarrow \hat{\alpha}$. International Journal of Quantum Chemistry, 2013, 113, 2589-2599.	1.0	7
53	Rényi entropies, L_q norms and linearization of powers of hypergeometric orthogonal polynomials by means of multivariate special functions. Applied Mathematics and Computation, 2013, 223, 25-33.	1.4	20
54	Quasi-stationary states of the NRT nonlinear Schrödinger equation. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 3945-3951.	1.2	16

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55	Concurrent Phenomena at the Reaction Path of the SN2 Reaction CH3Cl + Fâ ⁺ . Information Planes and Statistical Complexity Analysis. Entropy, 2013, 15, 4084-4104.	1.1	8
56	Information-Theoretical Complexity Analysis of Selected Elementary Chemical Reactions. Understanding Complex Systems, 2013, , 525-537.	0.3	1
57	The Shannon-entropy-based uncertainty relation for<i>D</i>-dimensional central potentials. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 225303.	0.7	26
58	The relationship between entanglement, energy and level degeneracy in two-electron systems. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 115309.	0.7	29
59	Jensen divergence based on Fisherâ€™s information. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 125305.	0.7	29
60	Information-Theoretic-Based Spreading Measures of Orthogonal Polynomials. Complex Analysis and Operator Theory, 2012, 6, 585-601.	0.3	9
61	Generalized CramÃ©râ€™s Rao relations for non-relativistic quantum systems. Applied Mathematics Letters, 2012, 25, 1689-1694.	1.5	11
62	Relative Fisher information of discrete classical orthogonal polynomials. Journal of Difference Equations and Applications, 2012, 18, 489-508.	0.7	0
63	Quantifying Dirac hydrogenic effects via complexity measures. Physical Review A, 2012, 86, .	1.0	7
64	Quantum entanglement in helium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 015504.	0.6	49
65	Concurrent phenomena at the transition region of selected elementary chemical reactions: An informationâ€™theoretical complexity analysis. International Journal of Quantum Chemistry, 2012, 112, 3578-3586.	1.0	16
66	Quantum entanglement in exactly soluble atomic models: the Moshinsky model with three electrons, and with two electrons in a uniform magnetic field. European Physical Journal D, 2012, 66, 1.	0.6	41
67	RÃ©nyi entropy of the infinite well potential in momentum space and Dirichlet-like trigonometric functionals. Journal of Mathematical Chemistry, 2012, 50, 1079-1090.	0.7	12
68	Information-theoretical complexity for the hydrogenic identity S N 2 exchange reaction. Journal of Mathematical Chemistry, 2012, 50, 1882-1900.	0.7	10
69	Quantum potentials with $\langle \text{si27.gif} \text{ display="inline" overflow="scroll"} \rangle$ -Gaussian ground states. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1068-1073.	1.2	15
70	Complexity Analysis of the Hydrogenic Spectrum in Strong Fields. Progress in Theoretical Chemistry and Physics, 2012, , 129-136.	0.2	0
71	Quantum entanglement and the dissociation process of diatomic molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 175101.	0.6	24
72	Upper bounds on quantum uncertainty products and complexity measures. Physical Review A, 2011, 84, .	1.0	40

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73	Information-theoretical complexity for the hydrogenic abstraction reaction. <i>Molecular Physics</i> , 2011, 109, 2353-2365.	0.8	22
74	Upper bounds on Shannon and Rényi entropies for central potentials. <i>Journal of Mathematical Physics</i> , 2011, 52, .	0.5	24
75	Fisher Information and Steric Effect: Study of the Internal Rotation Barrier of Ethane. <i>Journal of Physical Chemistry A</i> , 2011, 115, 4406-4415.	1.1	64
76	Position and momentum information-theoretic measures of a D-dimensional particle-in-a-box. <i>Journal of Mathematical Chemistry</i> , 2011, 49, 971-994.	0.7	25
77	Fisher information: uncertainty relation and steric effect. <i>Journal of Russian Laser Research</i> , 2011, 32, 403-411.	0.3	3
78	Entropic functionals of Laguerre polynomials and complexity properties of the half-line Coulomb potential. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 2283-2294.	1.0	7
79	Direct spreading measures of Laguerre polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2011, 235, 1129-1140.	1.1	22
80	Entropy and complexity analysis of Dirac-delta-like quantum potentials. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 2215-2228.	1.2	40
81	On moments-based Heisenberg inequalities. , 2011, , .		0
82	Rigorous bounds for Rényi entropies of spherically symmetric potentials. <i>AIP Conference Proceedings</i> , 2011, , .	0.3	2
83	Position-momentum uncertainty relations based on moments of arbitrary order. <i>Physical Review A</i> , 2011, 83, .	1.0	35
84	A quantum uncertainty relation based on Fisher's information. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 065301.	0.7	49
85	Information Theory of Quantum Systems with some hydrogenic applications. , 2011, , .		0
86	Entropy and Complexity Analyses of D-dimensional Quantum Systems. , 2011, , 129-166.		10
87	Complexity analysis of Klein-Gordon single-particle systems. <i>Europhysics Letters</i> , 2010, 90, 48001.	0.7	5
88	Quantum entanglement in a soluble two-electron model atom. <i>European Physical Journal D</i> , 2010, 56, 141-150.	0.6	66
89	Information-theoretic properties of the half-line Coulomb potential. <i>Journal of Mathematical Chemistry</i> , 2010, 47, 911-928.	0.7	8
90	Asymptotics of orthogonal polynomial's entropy. <i>Journal of Computational and Applied Mathematics</i> , 2010, 233, 1355-1365.	1.1	33

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91	Spreading lengths of Hermite polynomials. Journal of Computational and Applied Mathematics, 2010, 233, 2136-2148.	1.1	28
92	Information theory of D-dimensional hydrogenic systems: Application to circular and Rydberg states. International Journal of Quantum Chemistry, 2010, 110, 1529-1548.	1.0	68
93	Relativistic Klein-Gordon charge effects by information-theoretic measures. New Journal of Physics, 2010, 12, 023014.	1.2	9
94	Quantum expectation values of D -dimensional Rydberg hydrogenic states by use of Laguerre and Gegenbauer asymptotics. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 145204.	0.7	14
95	Phenomenological Description of a Three-Center Insertion Reaction: An Information-Theoretic Study. Journal of Physical Chemistry A, 2010, 114, 1906-1916.	1.1	17
96	Quantum entanglement in two-electron atomic models. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 275301.	0.7	51
97	Information-theoretic lengths of Jacobi polynomials. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 305203.	0.7	19
98	Fisher Information Study in Position and Momentum Spaces for Elementary Chemical Reactions. Journal of Chemical Theory and Computation, 2010, 6, 145-154.	2.3	60
99	Analysis of complexity measures and information planes of selected molecules in position and momentum spaces. Physical Chemistry Chemical Physics, 2010, 12, 7108.	1.3	67
100	Complexity of D-dimensional hydrogenic systems in position and momentum spaces. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 3273-3281.	1.2	23
101	Discrete Entropies of Orthogonal Polynomials. Constructive Approximation, 2009, 30, 93-119.	1.8	9
102	Scaling properties of composite information measures and shape complexity for hydrogenic atoms in parallel magnetic and electric fields. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 4919-4925.	1.2	27
103	Spreading measures of information-extremizer distributions: applications to atomic electron densities in position and momentum spaces. European Physical Journal D, 2009, 51, 321-329.	0.6	8
104	Configuration complexities of hydrogenic atoms. European Physical Journal D, 2009, 55, 539-548.	0.6	29
105	Theoretic-information entropies analysis of nanostructures: <i>ab initio</i> study of PAMAM precursors and dendrimers G0 to G3. Molecular Simulation, 2009, 35, 498-511.	0.9	5
106	Separability criteria and entanglement measures for pure states of N identical fermions. Europhysics Letters, 2009, 86, 20005.	0.7	67
107	Existence conditions and spreading properties of extreme entropy D-dimensional distributions. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 2243-2255.	1.2	20
108	Parameter-based Fisher's information of orthogonal polynomials. Journal of Computational and Applied Mathematics, 2008, 214, 136-147.	1.1	4

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109	Fisher information of special functions and second-order differential equations. Journal of Mathematical Physics, 2008, 49, 082104.	0.5	20
110	Kinetic energy bounds for particles confined in spherically-symmetric traps with non-standard dimensions. New Journal of Physics, 2007, 9, 131-131.	1.2	9
111	Information-theoretic measures of hyperspherical harmonics. Journal of Mathematical Physics, 2007, 48, 043503.	0.5	20
112	The Fisher-information-based uncertainty relation, Cramer's Rao inequality and kinetic energy for the D-dimensional central problem. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 1845-1856.	0.7	76
113	General recurrence and ladder relations of hypergeometric-type functions. Journal of Computational and Applied Mathematics, 2007, 207, 166-179.	1.1	3
114	Fisher information of D-dimensional hydrogenic systems in position and momentum spaces. Journal of Mathematical Physics, 2006, 47, 052104.	0.5	52
115	Cramer's Rao information plane of orthogonal hypergeometric polynomials. Journal of Computational and Applied Mathematics, 2006, 186, 523-541.	1.1	35
116	Uncertainty relation for Fisher information of D-dimensional single-particle systems with central potentials. Journal of Mathematical Physics, 2006, 47, 103504.	0.5	79
117	Information-theoretic measures for Morse and Pöschl-Teller potentials. Molecular Physics, 2006, 104, 613-622.	0.8	100
118	Improvement of the Heisenberg and Fisher-information-based uncertainty relations for D-dimensional central potentials. New Journal of Physics, 2006, 8, 330-330.	1.2	46
119	Information measures of hydrogenic systems, Laguerre polynomials and spherical harmonics. Journal of Computational and Applied Mathematics, 2005, 179, 185-194.	1.1	33
120	Fisher information of orthogonal hypergeometric polynomials. Journal of Computational and Applied Mathematics, 2005, 182, 150-164.	1.1	22
121	The Fisher information of single-particle systems with a central potential. Chemical Physics Letters, 2005, 414, 468-472.	1.2	160
122	Characterization of atomic avoided crossings by means of Fisher's information. European Physical Journal D, 2005, 32, 39-43.	0.6	45
123	The Fisher-Shannon information plane, an electron correlation tool. Journal of Chemical Physics, 2004, 120, 8906-8912.	1.2	215
124	Computation of the Entropy of Polynomials Orthogonal on an Interval. SIAM Journal of Scientific Computing, 2004, 26, 488-509.	1.3	41
125	Diamagnetic informational exchange in hydrogenic avoided crossings. Chemical Physics Letters, 2003, 373, 615-619.	1.2	10
126	Expansions in series of varying Laguerre polynomials and some applications to molecular potentials. Journal of Computational and Applied Mathematics, 2003, 153, 411-421.	1.1	8

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127	Shannon Entropy as an Indicator of Atomic Avoided Crossings in Strong Parallel Magnetic and Electric Fields. <i>Physical Review Letters</i> , 2003, 91, 113001.	2.9	72
128	Asymptotics of information entropies of some Toda-like potentials. <i>Journal of Mathematical Physics</i> , 2003, 44, 36-47.	0.5	13
129	Quantum-information entropies for highly excited states of single-particle systems with power-type potentials. <i>Physical Review A</i> , 2002, 66, .	1.0	25
130	SHORT-WAVE ASYMPTOTICS OF THE INFORMATION ENTROPY OF A CIRCULAR MEMBRANE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002, 12, 2387-2392.	0.7	14
131	Reconstruction of a density from its entropic moments. <i>AIP Conference Proceedings</i> , 2002, , .	0.3	3
132	Distributions of zeros of discrete and continuous polynomials from their recurrence relation. <i>Applied Mathematics and Computation</i> , 2002, 128, 167-190.	1.4	14
133	Quantum information entropies and orthogonal polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2001, 133, 23-46.	1.1	111
134	Some connection and linearization problems for polynomials in and beyond the Askey scheme. <i>Journal of Computational and Applied Mathematics</i> , 2001, 133, 579-591.	1.1	36
135	Chebyshev polynomials in a speech recognition model. <i>Applied Mathematics Letters</i> , 2001, 14, 581-585.	1.5	5
136	The Hausdorff entropic moment problem. <i>Journal of Mathematical Physics</i> , 2001, 42, 2309.	0.5	25
137	Entropic integrals of orthogonal hypergeometric polynomials with general supports. <i>Journal of Computational and Applied Mathematics</i> , 2000, 118, 311-322.	1.1	17
138	On the non-convexity of charge densities in atoms and ions. <i>Computational and Theoretical Chemistry</i> , 2000, 501-502, 177-182.	1.5	11
139	Upper bounds to atomic electron densities in position and momentum spaces. <i>Journal of Mathematical Chemistry</i> , 2000, 28, 341-351.	0.7	1
140	Functionals of Gegenbauer polynomials and D -dimensional hydrogenic momentum expectation values. <i>Journal of Mathematical Physics</i> , 2000, 41, 6600-6613.	0.5	32
141	Inverse atomic densities and inequalities among density functionals. <i>Journal of Mathematical Physics</i> , 2000, 41, 7906-7917.	0.5	24
142	Electron-momentum densities of singly charged ions. <i>Physical Review A</i> , 1999, 59, 4805-4808.	1.0	12
143	Electron-pair densities of group 14, 15, and 16 atoms in their low-lying multiplet states. <i>Journal of Chemical Physics</i> , 1999, 110, 5763-5771.	1.2	23
144	Fisher entropy and uncertainty-like relationships in many-body systems. <i>Physical Review A</i> , 1999, 59, 4064-4067.	1.0	29

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145	Expansion coefficients and moments of electron momentum densities for singly charged ions. <i>Theoretical Chemistry Accounts</i> , 1999, 103, 70-76.	0.5	12
146	Electron-pair densities of group 2 atoms in their $\mathbf{\mathbb{R}^1}$ and $\mathbf{\mathbb{R}^3}$ terms. <i>European Physical Journal D</i> , 1999, 7, 17-23.	0.6	7
147	Asymptotics of the Information Entropy for Jacobi and Laguerre Polynomials with Varying Weights. <i>Journal of Approximation Theory</i> , 1999, 99, 153-166.	0.5	38
148	Entropic integrals of hyperspherical harmonics and spatial entropy of D-dimensional central potentials. <i>Journal of Mathematical Physics</i> , 1999, 40, 5675-5686.	0.5	41
149	General linearization formulae for products of continuous hypergeometric-type polynomials. <i>Journal of Physics A</i> , 1999, 32, 7345-7366.	1.6	32
150	Expansions in series of orthogonal hypergeometric polynomials. <i>Journal of Computational and Applied Mathematics</i> , 1998, 89, 155-170.	1.1	34
151	Modified Clebsch-Gordan-type expansions for products of discrete hypergeometric polynomials. <i>Journal of Computational and Applied Mathematics</i> , 1998, 89, 171-197.	1.1	26
152	Linearization and connection coefficients for hypergeometric-type polynomials. <i>Journal of Computational and Applied Mathematics</i> , 1998, 99, 15-26.	1.1	19
153	Strong asymptotics of Laguerre polynomials and information entropies of two-dimensional harmonic oscillator and one-dimensional Coulomb potentials. <i>Journal of Mathematical Physics</i> , 1998, 39, 3050-3060.	0.5	69
154	Electron-pair relative-motion densities of atoms in position and momentum spaces. <i>Physical Review A</i> , 1998, 57, 1759-1766.	1.0	33
155	Electron momentum densities of atoms. <i>Journal of Chemical Physics</i> , 1998, 109, 1601-1606.	1.2	27
156	Electron-pair center-of-mass-motion densities of atoms in position and momentum spaces. <i>Physical Review A</i> , 1998, 57, 4212-4218.	1.0	28
157	The distribution of zeros of general q-polynomials. <i>Journal of Physics A</i> , 1997, 30, 6743-6768.	1.6	7
158	Structure of the electron momentum density of atomic systems. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1997, 42, 251-257.	1.0	8
159	Analytical Schwartz density applied to heavy two-electron ions. , 1997, 61, 525-531.		2
160	Information entropy of classical orthogonal polynomials and their application to the harmonic oscillator and Coulomb potentials. <i>Methods and Applications of Analysis</i> , 1997, 4, 91-110.	0.1	47
161	The orthogonality properties of q-polynomials. <i>Integral Transforms and Special Functions</i> , 1996, 4, 343-354.	0.8	5
162	Monotonicity properties of the atomic charge density function. <i>International Journal of Quantum Chemistry</i> , 1996, 58, 11-21.	1.0	11

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163	Entropy of orthogonal polynomials with Freud weights and information entropies of the harmonic oscillator potential. <i>Journal of Mathematical Physics</i> , 1995, 36, 4106-4118.	0.5	53
164	Algebraic and spectral properties of some quasiorthogonal polynomials encountered in quantum radiation. <i>Journal of Mathematical Physics</i> , 1995, 36, 5179-5197.	0.5	3
165	Information entropies of many-electron systems. <i>International Journal of Quantum Chemistry</i> , 1995, 56, 489-498.	1.0	15
166	The Weizsäcker functional: Some rigorous results. <i>International Journal of Quantum Chemistry</i> , 1995, 56, 627-632.	1.0	5
167	ASYMPTOTIC BEHAVIOR OF THE L_p -NORMS AND THE ENTROPY FOR GENERAL ORTHOGONAL POLYNOMIALS. <i>Sbornik Mathematics</i> , 1995, 82, 373-395.	0.2	29
168	Atomic-charge monotonicity and cusp-type inequalities: Applications to heliumlike systems. <i>Physical Review A</i> , 1994, 49, 4225-4228.	1.0	14
169	Position and momentum information entropies of the D -dimensional harmonic oscillator and hydrogen atom. <i>Physical Review A</i> , 1994, 50, 3065-3079.	1.0	237
170	Bounds to some local electron-pair properties with application to two-electron ions. <i>Physical Review A</i> , 1994, 50, 857-860.	1.0	10
171	Weizsäcker energy of many-electron systems. <i>Physical Review A</i> , 1994, 50, 256-266.	1.0	56
172	Orthogonal polynomials and differential equations in neutron-transport and radiative-transfer theories. <i>Journal of Computational and Applied Mathematics</i> , 1994, 50, 197-206.	1.1	4
173	Spectral properties of solutions of hypergeometric-type differential equations. <i>Journal of Computational and Applied Mathematics</i> , 1994, 50, 613-623.	1.1	13
174	Non-linear Characterizations for Functions of Hypergeometric Type and Their Derivatives of Any Order. <i>Journal of Mathematical Analysis and Applications</i> , 1994, 184, 35-43.	0.5	6
175	The Three-Term Recurrence Relation and the Differentiation Formulas for Hypergeometric-type Functions. <i>Journal of Mathematical Analysis and Applications</i> , 1994, 188, 855-866.	0.5	20
176	Fundamental recurrence relations of functions of hypergeometric type and their derivatives of any order. <i>Il Nuovo Cimento B</i> , 1994, 109, 711-723.	0.1	4
177	Four-term recurrence relations of hypergeometric-type polynomials. <i>Il Nuovo Cimento B</i> , 1994, 109, 725-733.	0.1	10
178	Spatial entropy of central potentials and strong asymptotics of orthogonal polynomials. <i>Journal of Mathematical Physics</i> , 1994, 35, 4423-4428.	0.5	52
179	Electron-electron coalescence and interelectronic log-moments in atomic systems. <i>Journal of Chemical Sciences</i> , 1994, 106, 123-131.	0.7	7
180	Charge monotonicity of atomic systems and radial expectation values. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1993, 25, 287-293.	1.0	10

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181	Electron-pair logarithmic convexity and interelectronic moments in atoms: Application to heliumlike ions. <i>Physical Review A</i> , 1993, 48, 2457-2460.	1.0	5
182	Interelectronic moments of atomic systems. <i>Physical Review A</i> , 1993, 48, 832-835.	1.0	3
183	Bounds to the central electron-pair density with applications to two-electron atoms. <i>Physical Review A</i> , 1993, 47, 5202-5205.	1.0	29
184	Tight rigorous bounds to atomic information entropies. <i>Journal of Chemical Physics</i> , 1992, 97, 6485-6495.	1.2	63
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