

Pablo Sanchez Moreno

List of Publications by Year in descending order

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44
papers

1,078
citations

361413

20
h-index

414414

32
g-index

46
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46
docs citations

46
times ranked

325
citing authors

#	ARTICLE	IF	CITATIONS
1	On the (non-)uniqueness of the Levi-Civita solution in the Einstein–Hilbert–Palatini formalism. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 280-287.	4.1	25
2	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.	1.1	2
3	One-Parameter Fisher–Rényi Complexity: Notion and Hydrogenic Applications. Entropy, 2017, 19, 16.	2.2	12
4	Monotone measures of statistical complexity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 377-380.	2.1	49
5	Quantum entanglement in $(d-1)$ -spherium. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 475302.	2.1	9
6	Entropy and complexity analysis of the D -dimensional rigid rotator and hyperspherical harmonics. Journal of Mathematical Chemistry, 2015, 53, 573-589.	1.5	11
7	Complexity analysis of hypergeometric orthogonal polynomials. Journal of Computational and Applied Mathematics, 2015, 284, 144-154.	2.0	4
8	Pseudo-Boltzmann model for modeling the junctionless transistors. Solid-State Electronics, 2014, 95, 19-22.	1.4	7
9	Asymptotics ($\rightarrow_{p \rightarrow \infty}$) of L_p -norms of hypergeometric orthogonal polynomials. Journal of Mathematical Chemistry, 2014, 52, 283-300.	1.5	5
10	Frequency moments, L_q norms and Rényi entropies of general hypergeometric polynomials. Journal of Mathematical Chemistry, 2014, 52, 1372-1385.	1.5	3
11	A generalized complexity measure based on Rényi entropy. European Physical Journal D, 2014, 68, 1.	1.3	23
12	Pauli effects in uncertainty relations. Chemical Physics Letters, 2014, 614, 1-4.	2.6	13
13	Entropy and complexity analysis of hydrogenic Rydberg atoms. Journal of Mathematical Physics, 2013, 54, .	1.1	19
14	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.	2.2	20
15	The Shannon-entropy-based uncertainty relation for D -dimensional central potentials. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 225303.	2.1	26
16	Jensen divergence based on Fisher’s information. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 125305.	2.1	29
17	Information-Theoretic-Based Spreading Measures of Orthogonal Polynomials. Complex Analysis and Operator Theory, 2012, 6, 585-601.	0.6	9
18	Generalized Cramér–Rao relations for non-relativistic quantum systems. Applied Mathematics Letters, 2012, 25, 1689-1694.	2.7	11

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19	Analytic potential and charge model for III-V surrounding gate metal-oxide-semiconductor field-effect transistors. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	23
20	Relative Fisher information of discrete classical orthogonal polynomials. <i>Journal of Difference Equations and Applications</i> , 2012, 18, 489-508.	1.1	0
21	Quantum entanglement in exactly soluble atomic models: the Moshinsky model with three electrons, and with two electrons in a uniform magnetic field. <i>European Physical Journal D</i> , 2012, 66, 1.	1.3	41
22	Rényi entropy of the infinite well potential in momentum space and Dirichlet-like trigonometric functionals. <i>Journal of Mathematical Chemistry</i> , 2012, 50, 1079-1090.	1.5	12
23	Upper bounds on quantum uncertainty products and complexity measures. <i>Physical Review A</i> , 2011, 84, .	2.5	40
24	Upper bounds on Shannon and Rényi entropies for central potentials. <i>Journal of Mathematical Physics</i> , 2011, 52, .	1.1	24
25	Position and momentum information-theoretic measures of a D-dimensional particle-in-a-box. <i>Journal of Mathematical Chemistry</i> , 2011, 49, 971-994.	1.5	25
26	Fisher information: uncertainty relation and steric effect. <i>Journal of Russian Laser Research</i> , 2011, 32, 403-411.	0.6	3
27	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.	2.0	7
28	Direct spreading measures of Laguerre polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2011, 235, 1129-1140.	2.0	22
29	On moments-based Heisenberg inequalities. , 2011, , .		0
30	Position-momentum uncertainty relations based on moments of arbitrary order. <i>Physical Review A</i> , 2011, 83, .	2.5	35
31	A quantum uncertainty relation based on Fisher's information. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 065301.	2.1	49
32	Information Theory of Quantum Systems with some hydrogenic applications. , 2011, , .		0
33	Spreading lengths of Hermite polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2010, 233, 2136-2148.	2.0	28
34	Information-theoretic lengths of Jacobi polynomials. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 305203.	2.1	19
35	Comparative study of the rovibrational properties of heteronuclear alkali dimers in electric fields. <i>Europhysics Letters</i> , 2008, 83, 43001.	2.0	11
36	Fisher information of special functions and second-order differential equations. <i>Journal of Mathematical Physics</i> , 2008, 49, 082104.	1.1	20

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37	Kinetic energy bounds for particles confined in spherically-symmetric traps with non-standard dimensions. <i>New Journal of Physics</i> , 2007, 9, 131-131.	2.9	9
38	Molecular rotational dynamics in nonadiabatically switching homogeneous electric fields. <i>Physical Review A</i> , 2007, 76, .	2.5	11
39	The Fisher-information-based uncertainty relation, Cramer's Rao inequality and kinetic energy for the D-dimensional central problem. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, 1845-1856.	2.1	76
40	Cramer's Rao information plane of orthogonal hypergeometric polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2006, 186, 523-541.	2.0	35
41	Uncertainty relation for Fisher information of D-dimensional single-particle systems with central potentials. <i>Journal of Mathematical Physics</i> , 2006, 47, 103504.	1.1	79
42	Improvement of the Heisenberg and Fisher-information-based uncertainty relations for D-dimensional central potentials. <i>New Journal of Physics</i> , 2006, 8, 330-330.	2.9	46
43	The Fisher information of single-particle systems with a central potential. <i>Chemical Physics Letters</i> , 2005, 414, 468-472.	2.6	160
44	Asymptotics of the information entropy of the Airy function. <i>Journal of Physics A</i> , 2005, 38, 9969-9978.	1.6	4