

Ricardo

List of Publications by Year in descending order

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31
papers

355
citations

840776

11
h-index

839539

18
g-index

32
all docs

32
docs citations

32
times ranked

242
citing authors

#	ARTICLE	IF	CITATIONS
1	The bundles of algebraic and Dirac Hestenes spinor fields. <i>Journal of Mathematical Physics</i> , 2004, 45, 2945-2966.	1.1	50
2	Vacuum Fluctuations and the Small Scale Structure of Spacetime. <i>Physical Review Letters</i> , 2011, 107, 021303.	7.8	37
3	Letter: Some Remarks on the Coupling Prescription of Teleparallel Gravity. <i>General Relativity and Gravitation</i> , 2004, 36, 2525-2538.	2.0	20
4	Quantum-classical correspondence via a deformed kinetic operator. <i>Journal of Physics A</i> , 2005, 38, 3869-3878.	1.6	19
5	The topology of dislocations in smectic liquid crystals. <i>New Journal of Physics</i> , 2016, 18, 053012.	2.9	19
6	Geometry of the Cholesteric Phase. <i>Physical Review X</i> , 2014, 4, .	8.9	18
7	Classical kinetic energy, quantum fluctuation terms and kinetic-energy functionals. <i>Theoretical Chemistry Accounts</i> , 2007, 118, 407-415.	1.4	17
8	Information-theoretic approach to kinetic-energy functionals: the nearly uniform electron gas. <i>Journal of Mathematical Chemistry</i> , 2010, 48, 78-82.	1.5	17
9	Fisher information and kinetic energy functionals: A dequantization approach. <i>Journal of Computational and Applied Mathematics</i> , 2010, 233, 1542-1547.	2.0	16
10	Quantum tomography for Dirac spinors. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 315, 418-425.	2.1	14
11	Volume elements and torsion. <i>Journal of Mathematical Physics</i> , 2005, 46, 112502.	1.1	12
12	Evolution of populations expanding on curved surfaces $\langle a \rangle$. <i>Europhysics Letters</i> , 2018, 123, 58005.	2.0	12
13	\mathbb{Z}_2 -gradings of Clifford algebras and multivector structures. <i>Journal of Physics A</i> , 2003, 36, 4395-4405.	1.6	11
14	Variational approach to dequantization. <i>Journal of Physics A</i> , 2006, 39, L229-L235.	1.6	11
15	Breaking the rules for topological defects: Smectic order on conical substrates. <i>Physical Review E</i> , 2012, 86, 011707.	2.1	11
16	Weirdest Martensite: Smectic Liquid Crystal Microstructure and Weyl-Poincaré Invariance. <i>Physical Review Letters</i> , 2016, 116, 147802.	7.8	11
17	Multivector Dirac Equation and \mathbb{Z}_2 -Gradings of Clifford Algebras. <i>International Journal of Theoretical Physics</i> , 2002, 41, 1651-1671.	1.2	10
18	Nonsingular solutions of Hitchin's equations for noncompact gauge groups. <i>Nonlinearity</i> , 2007, 20, 1893-1906.	1.4	9

#	ARTICLE	IF	CITATIONS
19	Analogue models for Schwarzschild and Reissner-Nordström spacetimes. Physical Review D, 2021, 104, .	4.7	8
20	Analogue model for anti-de Sitter as a description of point sources in fluids. Physical Review D, 2016, 94, .	4.7	7
21	Relativistic glider. Physical Review D, 2007, 75, .	4.7	6
22	Conformal smectics and their many metrics. Physical Review E, 2012, 85, 050701.	2.1	6
23	Quantum fields, geometric fluctuations, and the structure of spacetime. Physical Review D, 2020, 102, .	4.7	4
24	New self-dual solutions of $S^2 \times U(1)$ in $AdS_2 \times S^2$. Physical Review D, 2009, 80, .	4.7	2
25	Unruh-DeWitt detector in $AdS_2 \times S^2$. Physical Review D, 2021, 104, .	4.7	2
26	Boundary conditions for isolated asymptotically anti-de Sitter spacetimes. Journal of Mathematical Physics, 2022, 63, .	1.1	2
27	The transient regime in Fröhlich's condensation phenomenon in biosystems. International Journal of Quantum Chemistry, 1997, 62, 363-372.	2.0	1
28	Singular solutions to the Seiberg-Witten and Freund equations on flat space from an iterative method. Journal of Mathematical Physics, 2006, 47, 013514.	1.1	1
29	Scattering by a topological defect connecting two asymptotically Minkowski spacetimes. Physical Review D, 2015, 91, .	4.7	1
30	Analogue gravity and radial fluid flows: The case of AdS and its deformations. Physical Review D, 2018, 97, .	4.7	1
31	Chaotic dynamics of a spinless axisymmetric extended body around a Schwarzschild black hole. Physical Review D, 2022, 106, .	4.7	0