

David J Kedziora

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,642
citations

586496

16
h-index

536525

29
g-index

37
all docs

37
docs citations

37
times ranked

912
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational Infrared Spectroscopy of 958 Phosphorus-Bearing Molecules. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	1.1	10
2	Optima TB: A tool to help optimally allocate tuberculosis spending. <i>PLoS Computational Biology</i> , 2021, 17, e1009255.	1.5	8
3	Optima HIV Methodology and Approach. , 2020, , 291-328.		1
4	Optimal allocation of HIV resources among geographical regions. <i>BMC Public Health</i> , 2019, 19, 1509.	1.2	14
5	Applying the "no-one worse off"™ criterion to design Pareto efficient HIV responses in Sudan and Togo. <i>Aids</i> , 2019, 33, 1247-1252.	1.0	4
6	The Cascade Analysis Tool: software to analyze and optimize care cascades. <i>Gates Open Research</i> , 2019, 3, 1488.	2.0	2
7	NetPyNE, a tool for data-driven multiscale modeling of brain circuits. <i>ELife</i> , 2019, 8, .	2.8	109
8	The Tuberculosis Epidemic in Romania. , 2019, , .		0
9	How should HIV resources be allocated? Lessons learnt from applying Optima HIV in 23 countries. <i>Journal of the International AIDS Society</i> , 2018, 21, e25097.	1.2	29
10	The 2Åµm spectrum of the auroral emission in the polar regions of Jupiter. <i>Icarus</i> , 2017, 294, 156-171.	1.1	4
11	Maximizing the impact of malaria funding through allocative efficiency: using the right interventions in the right locations. <i>Malaria Journal</i> , 2017, 16, 368.	0.8	22
12	Getting it right when budgets are tight: Using optimal expansion pathways to prioritize responses to concentrated and mixed HIV epidemics. <i>PLoS ONE</i> , 2017, 12, e0185077.	1.1	10
13	Infinite hierarchy of nonlinear Schrödinger equations and their solutions. <i>Physical Review E</i> , 2016, 93, 012206.	0.8	133
14	Rogue waves for a long wave-short wave resonance model with multiple short waves. <i>Nonlinear Dynamics</i> , 2016, 85, 2827-2841.	2.7	23
15	Breather solutions of the integrable quintic nonlinear Schrödinger equation and their interactions. <i>Physical Review E</i> , 2015, 91, 022919.	0.8	63
16	Breather-to-soliton conversions described by the quintic equation of the nonlinear Schrödinger hierarchy. <i>Physical Review E</i> , 2015, 91, 032928.	0.8	98
17	Integrable equations of the infinite nonlinear Schrödinger equation hierarchy with time variable coefficients. <i>Chaos</i> , 2015, 25, 103114.	1.0	43
18	Soliton solutions of an integrable nonlinear Schrödinger equation with quintic terms. <i>Physical Review E</i> , 2014, 90, 032922.	0.8	117

#	ARTICLE	IF	CITATIONS
19	Classifying the hierarchy of nonlinear-Schrödinger-equation rogue-wave solutions. Physical Review E, 2013, 88, 013207.	0.8	147
20	The phase patterns of higher-order rogue waves. Journal of Optics (United Kingdom), 2013, 15, 064011.	1.0	16
21	Rogue wave clusters with atom-like structures. , 2012, , .		0
22	Frequency-based Quantum Computers from a Chemist's Perspective. Australian Journal of Chemistry, 2012, 65, 512.	0.5	4
23	Physiologically based quantitative modeling of unihemispheric sleep. Journal of Theoretical Biology, 2012, 314, 109-119.	0.8	10
24	Triangular rogue wave cascades. Physical Review E, 2012, 86, 056602.	0.8	57
25	Second-order nonlinear Schrödinger equation breather solutions in the degenerate and rogue wave limits. Physical Review E, 2012, 85, 066601.	0.8	215
26	Circular rogue wave clusters. Physical Review E, 2011, 84, 056611.	0.8	179
27	Actinide collisions for QED and superheavy elements with the time-dependent Hartree-Fock theory and the Balian-Véroni variational principle. EPJ Web of Conferences, 2011, 17, 09002.	0.1	9
28	Gravitational microlensing as a probe of the electron-scattering region in Q2237+0305. Monthly Notices of the Royal Astronomical Society, 2011, 415, 1409-1418.	1.6	1
29	Rogue wave triplets. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2782-2785.	0.9	195
30	Molecular Design Principles for Linearly Scalable, Frequency-Based, Universal Quantum Computers. , 2011, , .		0
31	New inverse quasifission mechanism to produce neutron-rich transfermium nuclei. Physical Review C, 2010, 81, .	1.1	67
32	Mammalian Sleep Dynamics: How Diverse Features Arise from a Common Physiological Framework. PLoS Computational Biology, 2010, 6, e1000826.	1.5	45
33	Oscillation Spectrum of Coulomb Clusters with Variable Dust Charge. AIP Conference Proceedings, 2008, , .	0.3	0
34	Mode-spectral analysis of 2D Coulomb clusters with fluctuating charges. Europhysics Letters, 2008, 84, 55001.	0.7	2
35	Charge fluctuations and their influence on dust cluster oscillation modes. , 2008, , .		0