

# Daniel Schumayer

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

402  
citations

840776

11  
h-index

752698

20  
g-index

32  
all docs

32  
docs citations

32  
times ranked

330  
citing authors

#	ARTICLE	IF	CITATIONS
1	Universal nomogram for the atomtronic quantum rotation sensor. Physical Review A, 2021, 103, .	2.5	4
2	Thermal stability of a quantum rotation sensor. Physical Review A, 2021, 104, .	2.5	2
3	Network analysis of misconceptions in FCI data. AIP Conference Proceedings, 2021, , .	0.4	0
4	No cleverness “ just greatness. Journal of the Royal Society of New Zealand, 2021, 51, 409-414.	1.9	0
5	Effects of disorder upon transport and Anderson localization in a finite, two-dimensional Bose gas. Physical Review A, 2021, 104, .	2.5	2
6	An oblate spheroidal model for multi-frequency acoustic back-scattering of frazil ice. Cold Regions Science and Technology, 2020, 177, 103122.	3.5	1
7	Observation of two-dimensional Anderson localisation of ultracold atoms. Nature Communications, 2020, 11, 4942.	12.8	32
8	Observations of the Size Distribution of Frazil Ice in an Ice Shelf Water Plume. Geophysical Research Letters, 2020, 47, e2020GL090498.	4.0	6
9	Improving Real-Time Position Estimation Using Correlated Noise Models. Sensors, 2020, 20, 5913.	3.8	5
10	Comparison of Enhanced Noise Model Performance Based on Analysis of Civilian GPS Data. Sensors, 2020, 20, 6050.	3.8	5
11	Re-Opening after COVID-19 in New Zealand. Journal of Conservation & Museum Studies, 2020, 18, .	0.8	0
12	Environment mediated multipartite and multidimensional entanglement. Scientific Reports, 2019, 9, 9147.	3.3	6
13	Peculiarities in the gravitational field of a filamentary ring. American Journal of Physics, 2019, 87, 384-394.	0.7	4
14	Central distractors in Force Concept Inventory data. Physical Review Physics Education Research, 2018, 14, .	2.9	12
15	Conceptual coherence of non-Newtonian worldviews in Force Concept Inventory data. Physical Review Physics Education Research, 2017, 13, .	2.9	19
16	Correlation of pressure and displacement during gingival displacement: An in vitro study. Journal of Prosthetic Dentistry, 2016, 115, 296-300.	2.8	11
17	Heat conduction in multi-layer circuit elements. , 2015, , .		0
18	Students’ proficiency scores within multitrait item response theory. Physical Review Physics Education Research, 2015, 11, .	1.7	37

#	ARTICLE	IF	CITATIONS
19	Exploratory factor analysis of a Force Concept Inventory data set. <i>Physical Review Physics Education Research</i> , 2012, 8, .	1.7	65
20	Quantum chaos in one dimension?. <i>Physical Review E</i> , 2011, 84, 016230.	2.1	2
21	<i>Colloquium</i> : Physics of the Riemann hypothesis. <i>Reviews of Modern Physics</i> , 2011, 83, 307-330.	45.6	84
22	Publisher's Note: <i>Colloquium</i> : Physics of the Riemann hypothesis [Rev. Mod. Phys. <b>83</b> , 307 (2011)]. <i>Reviews of Modern Physics</i> , 2011, 83, 769-769.	45.6	3
23	Rotons in Interacting Ultracold Bose Gases. <i>Physical Review Letters</i> , 2011, 107, 140401.	7.8	3
24	Effect of scattering lengths on the dynamics of a two-component Bose-Einstein condensate. <i>Physical Review A</i> , 2010, 82, .	2.5	18
25	Geometric scaling in the spectrum of an electron captured by a stationary finite dipole. <i>Europhysics Letters</i> , 2010, 89, 13001.	2.0	6
26	Quantum mechanical potentials related to the prime numbers and Riemann zeros. <i>Physical Review E</i> , 2008, 78, 056215.	2.1	23
27	Thermodynamically activated vortex-dipole formation in a two-dimensional Bose-Einstein condensate. <i>Physical Review A</i> , 2007, 75, .	2.5	5
28	Interatomic-potential inversion from ultracold Bose-gas collision. <i>Nuclear Physics A</i> , 2007, 790, 767c-770c.	1.5	1
29	Stability of static solitonic excitations of two-component Bose-Einstein condensates in finite range of interspecies scattering length <sup>12</sup> . <i>Physical Review A</i> , 2004, 69, .	2.5	25
30	Relation between optical and atomic solitons. <i>Physical Review A</i> , 2002, 65, .	2.5	10
31	Painlevé test of coupled Gross-Pitaevskii equations. <i>Journal of Physics A</i> , 2001, 34, 4969-4981.	1.6	11