

Michael Schreiber

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

1,456
citations

430754

18
h-index

330025

37
g-index

92
all docs

92
docs citations

92
times ranked

1026
citing authors

#	ARTICLE	IF	CITATIONS
1	Edge-state critical behavior of the integer quantum Hall transition. European Physical Journal: Special Topics, 2021, 230, 1003-1007.	1.2	0
2	Localization of edge states at triangular defects in periodic MoS_2 monolayers. Physical Review Materials, 2021, 5, .	0.9	3
3	Theoretical evidence for the Peierls transition in NbO_2 . Physical Review B, 2021, 104, .	0.9	0
4	Closed-Loop Defect States in 2D Materials with Honeycomb Lattice Structure: Molybdenum Disulfide. Physica Status Solidi (B): Basic Research, 2021, 258, 2100214.	0.7	0
5	Anisotropy of colloidal components propels field-activated stirrers and movers. Physical Review Research, 2020, 2, .	1.3	6
6	Field-responsive colloidal assemblies defined by magnetic anisotropy. Physical Review E, 2019, 100, 012608.	0.8	11
7	Bibliometric Epilogue: Measuring the Works of D.R.T. Zahn. Physica Status Solidi (B): Basic Research, 2019, 256, 1800748.	0.7	0
8	Integer quantum Hall transition on a tight-binding lattice. Physical Review B, 2019, 99, .	1.1	26
9	A skeptical view on the Hirsch index and its predictive power. Physica Scripta, 2018, 93, 102501.	1.2	17
10	The influence of lanthanum doping on the band alignment in Si/SiO ₂ /HfO ₂ gate stack of nano-MOSFETs: A first principles investigation. Physica Status Solidi (B): Basic Research, 2017, 254, 1700147.	0.7	3
11	Structure optimisation by thermal cycling for the hydrophobic-polar lattice model of protein folding. European Physical Journal: Special Topics, 2017, 226, 639-649.	1.2	5
12	Nitrogen Engineering in the Ultrathin SiO ₂ Interface Layer of High- k CMOS Devices: A First-Principles Investigation of Fluorine, Oxygen, and Boron Defect Migration. IEEE Transactions on Electron Devices, 2017, 64, 5073-5080.	1.6	1
13	Quantum Mechanical Simulation Methods. , 2015, , 77-104.		1
14	Quantum Mechanical Concepts. , 2015, , 25-32.		0
15	Newtonian Mechanics and Thermodynamics. , 2015, , 5-16.		0
16	A variant of the h -index to measure recent performance. Journal of the Association for Information Science and Technology, 2015, 66, 2373-2380.	1.5	11
17	Multiscale Approaches. , 2015, , 105-110.		0
18	Chemical Reactions. , 2015, , 111-116.		0

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19	Microelectronic CMOS Technology. , 2015, , 121-158.		0
20	Modeling of Chemical Processes. , 2015, , 159-182.		0
21	Properties of Nanostructured Materials. , 2015, , 183-210.		0
22	Operators and Fourier Transformations. , 2015, , 17-24.		0
23	Chemical Properties and Quantum Theory. , 2015, , 33-46.		0
24	Crystal Symmetry and Bravais Lattice. , 2015, , 47-56.		0
25	Classical Simulation Methods. , 2015, , 65-76.		0
26	Analysis of localization-delocalization transitions in corner-sharing tetrahedral lattices. European Physical Journal B, 2015, 88, 1.	0.6	1
27	Restricting the h-index to a publication and citation time window: A case study of a timed Hirsch index. Journal of Informetrics, 2015, 9, 150-155.	1.4	31
28	Multifractal analysis of electronic states on random Voronoi-Delaunay lattices. European Physical Journal B, 2015, 88, 1.	0.6	1
29	The Degradation Process of High- κ $\text{SiO}_2/\text{HfO}_2$ Gate-Stacks: A Combined Experimental and First Principles Investigation. IEEE Transactions on Electron Devices, 2014, 61, 1278-1283.	1.6	15
30	Is the new citation-rank approach P100 in bibliometrics really new?. Journal of Informetrics, 2014, 8, 997-1004.	1.4	4
31	How to improve the outcome of performance evaluations in terms of percentiles for citation frequencies of my papers. Journal of Informetrics, 2014, 8, 873-879.	1.4	3
32	Examples for counterintuitive behavior of the new citation-rank indicator P100 for bibliometric evaluations. Journal of Informetrics, 2014, 8, 738-748.	1.4	6
33	How much do different ways of calculating percentiles influence the derived performance indicators? A case study. Scientometrics, 2013, 97, 821-829.	1.6	16
34	Do we need the g-index?. Journal of the Association for Information Science and Technology, 2013, 64, 2396-2399.	2.6	9
35	A case study of the arbitrariness of the h-index and the highly-cited-publications indicator. Journal of Informetrics, 2013, 7, 379-387.	1.4	24
36	Empirical evidence for the relevance of fractional scoring in the calculation of percentile rank scores. Journal of the Association for Information Science and Technology, 2013, 64, 861-867.	2.6	3

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37	On the calculation of percentile-based bibliometric indicators. Journal of the Association for Information Science and Technology, 2013, 64, 372-379.	2.6	111
38	How relevant is the predictive power of the h-index? A case study of the time-dependent Hirsch index. Journal of Informetrics, 2013, 7, 325-329.	1.4	39
39	Inconsistencies in the highly cited publications indicator. Journal of the Association for Information Science and Technology, 2013, 64, 1298-1302.	2.6	2
40	How to derive an advantage from the arbitrariness of the g-index. Journal of Informetrics, 2013, 7, 555-561.	1.4	6
41	Uncertainties and ambiguities in percentiles and how to avoid them. Journal of the Association for Information Science and Technology, 2013, 64, 640-643.	2.6	11
42	Seasonal bias in editorial decisions for a physics journal: you should write when you like, but submit in July. Learned Publishing, 2012, 25, 145-151.	0.8	8
43	Inconsistencies of recently proposed citation impact indicators and how to avoid them. Journal of the Association for Information Science and Technology, 2012, 63, 2062-2073.	2.6	16
44	How to modify the g-index for multi-authored manuscripts. Journal of Informetrics, 2010, 4, 42-54.	1.4	18
45	A case study of the modified g index: Counting multi-author publications fractionally. Journal of Informetrics, 2010, 4, 636-643.	1.4	8
46	Revisiting the g-index: The average number of citations in the g-core. Journal of the Association for Information Science and Technology, 2010, 61, 169-174.	2.6	30
47	A new family of old Hirsch index variants. Journal of Informetrics, 2010, 4, 647-651.	1.4	6
48	A case study of the modified Hirsch index h_m accounting for multiple coauthors. Journal of the Association for Information Science and Technology, 2009, 60, 1274-1282.	2.6	54
49	Fractionalized counting of publications for the g -index. Journal of the Association for Information Science and Technology, 2009, 60, 2145-2150.	2.6	14
50	The influence of self-citation corrections on Egghe's g index. Scientometrics, 2008, 76, 187-200.	1.6	60
51	From quantum dots and nanocrystals to organic systems and biomolecules: Excitons and excitonic processes on their way from fundamental research to applications. 8th International Conference on Excitonic Processes in Condensed Matter (EXCON '08), Kyoto, Japan, 22-27 June 2008. Physica Status Solidi (B): Basic Research, 2008, 245, 2533-2537.	0.7	0
52	Time-dependent suppression of current through molecular junctions. Physica Status Solidi (B): Basic Research, 2008, 245, 2720-2724.	0.7	7
53	An empirical investigation of the g -index for 26 physicists in comparison with the h -index, the A -index, and the R -index. Journal of the Association for Information Science and Technology, 2008, 59, 1513-1522.	2.6	80
54	A modification of the h-index: The hm-index accounts for multi-authored manuscripts. Journal of Informetrics, 2008, 2, 211-216.	1.4	166

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55	Treatment of laser-field effects on a molecular wire and its coupling to the leads. Journal of Luminescence, 2008, 128, 1078-1080.	1.5	6
56	To share the fame in a fair way, hmodifiesfor multi-authored manuscripts. New Journal of Physics, 2008, 10, 040201.	1.2	127
57	Contribution of the surface dipole to deformation of superconductors. Physical Review B, 2008, 77, .	1.1	4
58	Photoinduced Vibrational Coherence Transfer in Molecular Dimers. Journal of Physical Chemistry A, 2007, 111, 10212-10219.	1.1	12
59	Electronic and Magnetic Properties. , 2006, , 209-310.		0
60	Influence of the Jahn-Teller effect on absorption and photoluminescence spectra of Si nanocrystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 3561-3564.	0.8	0
61	Coherent destruction of the current through molecular wires using short laser pulses. Physica Status Solidi (B): Basic Research, 2006, 243, 3775-3781.	0.7	13
62	The influence of ultrafast laser pulses on electron transfer in molecular wires studied by a non-Markovian density-matrix approach. Journal of Chemical Physics, 2006, 124, 044712.	1.2	121
63	Absorption spectra for a model light-harvesting system using non-Markovian theories. Journal of Luminescence, 2005, 112, 461-464.	1.5	5
64	Density-functional investigation of alloyed metallic nanowires. Computer Physics Communications, 2005, 169, 57-59.	3.0	4
65	Bernoulli potential in type-I and weak type-II superconductors. III. Electrostatic potential above the vortex lattice. Physical Review B, 2005, 71, .	1.1	7
66	Non-Markovian effects in the anisotropy of fluorescence in LH2 units. Journal of Luminescence, 2004, 108, 137-141.	1.5	5
67	The Hartree-Fock based diagonalization"an efficient algorithm for the treatment of interacting electrons in disordered solids. Mathematics and Computers in Simulation, 2003, 62, 243-254.	2.4	1
68	Commensurate and Incommensurate Transitions for Interacting Particles. Journal of the Physical Society of Japan, 2003, 72, 129-130.	0.7	0
69	FEMTOSECOND DYNAMICS IN THE ANISOTROPY OF EMISSION IN LH2 UNITS. Nonlinear Optics, Quantum Optics, 2002, 29, 167-172.	0.2	6
70	Influence of static and dynamic disorder on the anisotropy of emission in the ring antenna subunits of purple bacteria photosynthetic systems. Chemical Physics, 2002, 275, 1-13.	0.9	33
71	Characterization of the Metal-Insulator Transition in the Anderson Model of Localization. , 2002, , 259-278.		0
72	Localization and conductance in the quantum Coulomb glass. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2001, 81, 1117-1129.	0.6	11

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73	Exciton scattering in light-harvesting systems of purple bacteria. <i>Journal of Luminescence</i> , 2001, 94-95, 447-450.	1.5	24
74	Exponents of the localization lengths in the bipartite Anderson model with off-diagonal disorder. <i>Physica B: Condensed Matter</i> , 2001, 296, 46-51.	1.3	34
75	Disorder and two-particle interaction in low-dimensional quantum systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001, 9, 397-404.	1.3	11
76	INTERACTING ELECTRONS IN PARABOLIC QUANTUM DOTS: ENERGY LEVELS, ADDITION ENERGIES, AND CHARGE DISTRIBUTIONS. <i>International Journal of Modern Physics B</i> , 2001, 15, 3641-3645.	1.0	7
77	Universal level-spacing statistics in quasiperiodic tight-binding models. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 294-296, 564-567.	2.6	9
78	Energy-level statistics at the metal-insulator transition in anisotropic systems. <i>Physical Review B</i> , 2000, 61, 6028-6035.	1.1	41
79	Transport in disordered interacting systems: numerical results for one-dimensional spinless electrons. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 266, 443-449.	1.2	6
80	Application of random matrix theory to quasiperiodic systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 266, 477-480.	1.2	10
81	Energy levels of quasiperiodic Hamiltonians, spectral unfolding, and random matrix theory. <i>Computer Physics Communications</i> , 1999, 121-122, 499-501.	3.0	6
82	Do Interactions Increase or Reduce the Conductance of Disordered Electrons? It Depends!. <i>Physical Review Letters</i> , 1998, 81, 4212-4215.	2.9	65
83	Quantum Coulomb glass within a Hartree-Fock approximation. <i>Physical Review B</i> , 1997, 56, 5890-5896.	1.1	45