

# Michael Schreiber

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7098476/publications.pdf>

Version: 2024-02-01

83  
papers

1,456  
citations

430442

18  
h-index

329751

37  
g-index

92  
all docs

92  
docs citations

92  
times ranked

1026  
citing authors

#	ARTICLE	IF	CITATIONS
1	A modification of the h-index: The hm-index accounts for multi-authored manuscripts. Journal of Informetrics, 2008, 2, 211-216.	1.4	166
2	To share the fame in a fair way,hmmodifieshfor multi-authored manuscripts. New Journal of Physics, 2008, 10, 040201.	1.2	127
3	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
4	On the calculation of percentileâ€based bibliometric indicators. Journal of the Association for Information Science and Technology, 2013, 64, 372-379.	2.6	111
5	An empirical investigation of the <i>g</i>-index for 26 physicists in comparison with the <i>h</i>-index, the <i>A</i>-index, and the <i>R</i>-index. Journal of the Association for Information Science and Technology, 2008, 59, 1513-1522.	2.6	80
6	Do Interactions Increase or Reduce the Conductance of Disordered Electrons? It Depends!. Physical Review Letters, 1998, 81, 4212-4215.	2.9	65
7	The influence of self-citation corrections on Eggheâ€™s g index. Scientometrics, 2008, 76, 187-200.	1.6	60
8	A case study of the modified Hirsch index <i>h</i><sub>m</sub> accounting for multiple coauthors. Journal of the Association for Information Science and Technology, 2009, 60, 1274-1282.	2.6	54
9	Quantum Coulomb glass within a Hartree-Fock approximation. Physical Review B, 1997, 56, 5890-5896.	1.1	45
10	Energy-level statistics at the metal-insulator transition in anisotropic systems. Physical Review B, 2000, 61, 6028-6035.	1.1	41
11	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
12	Exponents of the localization lengths in the bipartite Anderson model with off-diagonal disorder. Physica B: Condensed Matter, 2001, 296, 46-51.	1.3	34
13	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
14	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
15	Revisiting the gâ€index: The average number of citations in the gâ€core. Journal of the Association for Information Science and Technology, 2010, 61, 169-174.	2.6	30
16	Integer quantum Hall transition on a tight-binding lattice. Physical Review B, 2019, 99, .	1.1	26
17	Exciton scattering in light-harvesting systems of purple bacteria. Journal of Luminescence, 2001, 94-95, 447-450.	1.5	24
18	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

#	ARTICLE	IF	CITATIONS
19	How to modify the g-index for multi-authored manuscripts. <i>Journal of Informetrics</i> , 2010, 4, 42-54.	1.4	18
20	A skeptical view on the Hirsch index and its predictive power. <i>Physica Scripta</i> , 2018, 93, 102501.	1.2	17
21	Inconsistencies of recently proposed citation impact indicators and how to avoid them. <i>Journal of the Association for Information Science and Technology</i> , 2012, 63, 2062-2073.	2.6	16
22	How much do different ways of calculating percentiles influence the derived performance indicators? A case study. <i>Scientometrics</i> , 2013, 97, 821-829.	1.6	16
23	The Degradation Process of High- $k$ $\text{SiO}_2/\text{HfO}_2$ Gate-Stacks: A Combined Experimental and First Principles Investigation. <i>IEEE Transactions on Electron Devices</i> , 2014, 61, 1278-1283.	1.6	15
24	Fractionalized counting of publications for the $g$ -index. <i>Journal of the Association for Information Science and Technology</i> , 2009, 60, 2145-2150.	2.6	14
25	Coherent destruction of the current through molecular wires using short laser pulses. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3775-3781.	0.7	13
26	Photoinduced Vibrational Coherence Transfer in Molecular Dimers. <i>Journal of Physical Chemistry A</i> , 2007, 111, 10212-10219.	1.1	12
27	Localization and conductance in the quantum Coulomb glass. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2001, 81, 1117-1129.	0.6	11
28	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
29	Uncertainties and ambiguities in percentiles and how to avoid them. <i>Journal of the Association for Information Science and Technology</i> , 2013, 64, 640-643.	2.6	11
30	A variant of the $h$ -index to measure recent performance. <i>Journal of the Association for Information Science and Technology</i> , 2015, 66, 2373-2380.	1.5	11
31	Field-responsive colloidal assemblies defined by magnetic anisotropy. <i>Physical Review E</i> , 2019, 100, 012608.	0.8	11
32	Application of random matrix theory to quasiperiodic systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 266, 477-480.	1.2	10
33	Universal level-spacing statistics in quasiperiodic tight-binding models. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 294-296, 564-567.	2.6	9
34	Do we need the $g$ -index?. <i>Journal of the Association for Information Science and Technology</i> , 2013, 64, 2396-2399.	2.6	9
35	A case study of the modified $g$ index: Counting multi-author publications fractionally. <i>Journal of Informetrics</i> , 2010, 4, 636-643.	1.4	8
36	Seasonal bias in editorial decisions for a physics journal: you should write when you like, but submit in July. <i>Learned Publishing</i> , 2012, 25, 145-151.	0.8	8

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37	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
38	Bernoulli potential in type-I and weak type-II superconductors. III. Electrostatic potential above the vortex lattice. <i>Physical Review B</i> , 2005, 71, .	1.1	7
39	Time-dependent suppression of current through molecular junctions. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2720-2724.	0.7	7
40	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
41	Energy levels of quasiperiodic Hamiltonians, spectral unfolding, and random matrix theory. <i>Computer Physics Communications</i> , 1999, 121-122, 499-501.	3.0	6
42	FEMTOSECOND DYNAMICS IN THE ANISOTROPY OF EMISSION IN LH2 UNITS. <i>Nonlinear Optics, Quantum Optics</i> , 2002, 29, 167-172.	0.2	6
43	Treatment of laser-field effects on a molecular wire and its coupling to the leads. <i>Journal of Luminescence</i> , 2008, 128, 1078-1080.	1.5	6
44	A new family of old Hirsch index variants. <i>Journal of Informetrics</i> , 2010, 4, 647-651.	1.4	6
45	How to derive an advantage from the arbitrariness of the g-index. <i>Journal of Informetrics</i> , 2013, 7, 555-561.	1.4	6
46	Examples for counterintuitive behavior of the new citation-rank indicator P100 for bibliometric evaluations. <i>Journal of Informetrics</i> , 2014, 8, 738-748.	1.4	6
47	Theoretical evidence for the Peierls transition in $\text{NbO}_2$ . <i>Physical Review B</i> , 2021, 104, .	1.1	6
48	Anisotropy of colloidal components propels field-activated stirrers and movers. <i>Physical Review Research</i> , 2020, 2, .	1.3	6
49	Non-Markovian effects in the anisotropy of fluorescence in LH2 units. <i>Journal of Luminescence</i> , 2004, 108, 137-141.	1.5	5
50	Absorption spectra for a model light-harvesting system using non-Markovian theories. <i>Journal of Luminescence</i> , 2005, 112, 461-464.	1.5	5
51	Structure optimisation by thermal cycling for the hydrophobic-polar lattice model of protein folding. <i>European Physical Journal: Special Topics</i> , 2017, 226, 639-649.	1.2	5
52	Density-functional investigation of alloyed metallic nanowires. <i>Computer Physics Communications</i> , 2005, 169, 57-59.	3.0	4
53	Contribution of the surface dipole to deformation of superconductors. <i>Physical Review B</i> , 2008, 77, .	1.1	4
54	Is the new citation-rank approach P100 in bibliometrics really new?. <i>Journal of Informetrics</i> , 2014, 8, 997-1004.	1.4	4

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55	Empirical evidence for the relevance of fractional scoring in the calculation of percentile rank scores. <i>Journal of the Association for Information Science and Technology</i> , 2013, 64, 861-867.	2.6	3
56	How to improve the outcome of performance evaluations in terms of percentiles for citation frequencies of my papers. <i>Journal of Informetrics</i> , 2014, 8, 873-879.	1.4	3
57	The influence of lanthanum doping on the band alignment in Si/SiO <sub>2</sub> /HfO <sub>2</sub> gate stack of nano-MOSFETs: A first principles investigation. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1700147.	0.7	3
58	Localization of edge states at triangular defects in periodic $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Mo} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{S} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ monolayers. <i>Physical Review Materials</i> , 2021, 5, .	0.9	3
59	Inconsistencies in the highly cited publications indicator. <i>Journal of the Association for Information Science and Technology</i> , 2013, 64, 1298-1302.	2.6	2
60	The Hartree-Fock based diagonalization an efficient algorithm for the treatment of interacting electrons in disordered solids. <i>Mathematics and Computers in Simulation</i> , 2003, 62, 243-254.	2.4	1
61	Quantum Mechanical Simulation Methods. , 2015, , 77-104.		1
62	Analysis of localization-delocalization transitions in corner-sharing tetrahedral lattices. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	1
63	Multifractal analysis of electronic states on random Voronoi-Delaunay lattices. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	1
64	Nitrogen Engineering in the Ultrathin SiO <sub>2</sub> Interface Layer of High- $k$ CMOS Devices: A First-Principles Investigation of Fluorine, Oxygen, and Boron Defect Migration. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 5073-5080.	1.6	1
65	Commensurate and Incommensurate Transitions for Interacting Particles. <i>Journal of the Physical Society of Japan</i> , 2003, 72, 129-130.	0.7	0
66	Electronic and Magnetic Properties. , 2006, , 209-310.		0
67	Influence of the Jahn-Teller effect on absorption and photoluminescence spectra of Si nanocrystals. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 3561-3564.	0.8	0
68	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. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2533-2537.	0.7	0
69	Quantum Mechanical Concepts. , 2015, , 25-32.		0
70	Newtonian Mechanics and Thermodynamics. , 2015, , 5-16.		0
71	Multiscale Approaches. , 2015, , 105-110.		0
72	Chemical Reactions. , 2015, , 111-116.		0

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73	Microelectronic CMOS Technology. , 2015, , 121-158.		0
74	Modeling of Chemical Processes. , 2015, , 159-182.		0
75	Properties of Nanostructured Materials. , 2015, , 183-210.		0
76	Operators and Fourier Transformations. , 2015, , 17-24.		0
77	Chemical Properties and Quantum Theory. , 2015, , 33-46.		0
78	Crystal Symmetry and Bravais Lattice. , 2015, , 47-56.		0
79	Classical Simulation Methods. , 2015, , 65-76.		0
80	Bibliometric Epilogue: Measuring the Works of D.R.T. Zahn. Physica Status Solidi (B): Basic Research, 2019, 256, 1800748.	0.7	0
81	Edge-state critical behavior of the integer quantum Hall transition. European Physical Journal: Special Topics, 2021, 230, 1003-1007.	1.2	0
82	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
83	Characterization of the Metal-Insulator Transition in the Anderson Model of Localization. , 2002, , 259-278.		0