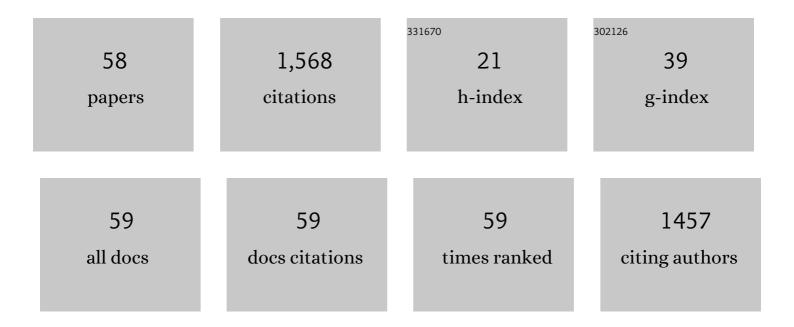
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Pseudopotential calculation of the excitonic fine structure of million-atom self-assembledIn1a^'xGaxAs/GaAsquantum dots. Physical Review B, 2003, 67, .	3.2	316
2	Quantum size effects in spherical semiconductor microcrystals. Physical Review B, 1987, 35, 4098-4101.	3.2	140
3	Optical absorption in semiconductor quantum dots: A tight-binding approach. Physical Review B, 1993, 47, 7132-7139.	3.2	106
4	High-temperature ferromagnetism in Mn-doped ZnO nanowires. Applied Physics Letters, 2006, 88, 263101.	3.3	95
5	Theory of exciton pair states and their nonlinear optical properties in semiconductor quantum dots. Physical Review B, 1997, 55, 5153-5170.	3.2	81
6	Optical anisotropy in self-assembled InP quantum dots. Physical Review B, 1999, 59, R5300-R5303.	3.2	79
7	External-field effects on the optical spectra of self-assembled InP quantum dots. Physical Review B, 2002, 66, .	3.2	58
8	Electron states in a quantum dot in an effective-bond-orbital model. Physical Review B, 1992, 45, 5969-5979.	3.2	53
9	Biexciton and Triexciton States in Quantum Dots in the Weak Confinement Regime. Physical Review Letters, 1997, 79, 3522-3525.	7.8	39
10	Phonon resonances in photoluminescence spectra of self-assembled quantum dots in an electric field. Physical Review B, 2001, 63, .	3.2	39
11	Carrier relaxation dynamics in InP quantum dots studied by artificial control of nonradiative losses. Physical Review B, 2000, 61, 15633-15636.	3.2	37
12	Surface Plasmon Polariton Resonance of Gold, Silver, and Copper Studied in the Kretschmann Geometry: Dependence on Wavelength, Angle of Incidence, and Film Thickness. Journal of the Physical Society of Japan, 2017, 86, 124721.	1.6	33
13	Room temperature single nanowire ZnTe photoconductors grown by metal-organic chemical vapor deposition. Applied Physics Letters, 2010, 97, 063510.	3.3	29
14	Biexciton binding energy in parabolicGaAsquantum dots. Physical Review B, 2006, 73, .	3.2	28
15	Surface State Dynamics Dictating Transport in InAs Nanowires. Nano Letters, 2018, 18, 1387-1395.	9.1	28
16	LO Phonon Renormalization in Optically Excited CuCl Nanocrystals. Physical Review Letters, 1998, 80, 3105-3108.	7.8	25
17	Confined modes in finite-size photonic crystals. Physical Review B, 2005, 72, .	3.2	25
18	Imaging and single dot spectroscopy of InP self-assembled quantum dots. Journal of Luminescence, 2000, 87-89, 40-45.	3.1	24

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19	Polymer Multilayer Microspheres Loaded with Semiconductor Quantum Dots. Advanced Functional Materials, 2008, 18, 1961-1968.	14.9	24
20	Nanowire-array-based photonic crystal cavity by finite-difference time-domain calculations. Physical Review B, 2007, 75, .	3.2	22
21	Excitation-energy dependence of transient grating spectroscopy in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>β</mml:mi>-carotene. Physical Review B, 2009, 80, .</mml:math 	3.2	22
22	Probing the Gateâ^'Voltage-Dependent Surface Potential of Individual InAs Nanowires Using Random Telegraph Signals. ACS Nano, 2011, 5, 2191-2199.	14.6	20
23	Multi-Exciton States in Semiconductor Quantum Dots. Physica Status Solidi A, 2000, 178, 303-306.	1.7	19
24	Inverse exciton series in the optical decay of an excitonic molecule. Physical Review B, 1999, 59, R7837-R7840.	3.2	18
25	Coulomb effects in the optical spectra of highly excited semiconductor quantum dots. Journal of Luminescence, 2000, 87-89, 438-440.	3.1	14
26	Nano-optical probing of exciton wave-functions confined in a GaAs quantum dot. Journal of Electron Microscopy, 2004, 53, 193-201.	0.9	14
27	Highly confined mode above the light line in a two-dimensional photonic crystal slab. Applied Physics Letters, 2008, 93, .	3.3	14
28	Weakly correlated exciton pair states in large quantum dots. Physical Review B, 1996, 53, R10516-R10519.	3.2	13
29	Measurement and modelling of water ingress into doubleâ€glass photovoltaic modules. Progress in Photovoltaics: Research and Applications, 2019, 27, 144-151.	8.1	12
30	Linear and nonlinear optical response of spherical anisotropic semiconductor microcrystallites. Physical Review B, 1989, 40, 12423-12432.	3.2	11
31	Hopfield coefficients measured by inverse polariton series. Physical Review B, 2001, 63, .	3.2	11
32	Electronic structure of semiconductor quantum dots. Physica B: Condensed Matter, 1995, 212, 245-250.	2.7	10
33	Exciton-phonon coupled states in CuCl quantum cubes. Physical Review B, 2000, 63, .	3.2	9
34	Photon echo study of excitons and excitonic complexes in self-assembled quantum dots. Journal of Luminescence, 2007, 122-123, 730-734.	3.1	9
35	Effect of light scattering on the transmission spectra of organic nanocrystals. Applied Physics Letters, 2011, 99, 053304.	3.3	9
36	Electron states in semiconductor quantum dots. Journal of Chemical Physics, 2014, 141, 204702.	3.0	9

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37	Surface Properties from Transconductance in Nanoscale Systems. Nano Letters, 2016, 16, 6028-6035.	9.1	9
38	Absorption and emission spectra of molecular excitons in single perylene nanocrystals. Physical Review B, 2011, 84, .	3.2	8
39	Optical size effect of organic nanocrystals studied by absorption spectroscopy within an integrating sphere. Chemical Physics Letters, 2014, 601, 128-133.	2.6	7
40	Nonlinear Chemical Sensitivity Enhancement of Nanowires in the Ultralow Concentration Regime. ACS Nano, 2020, 14, 964-973.	14.6	7
41	LO phonon resonances in photoluminescence spectra of InP self-assembled quantum dots in electric field. Journal of Luminescence, 2000, 87-89, 441-443.	3.1	5
42	Confinement effects in strain-induced InGaAs/GaAs quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 7, 403-407.	2.7	4
43	Electrical transport in InAs/GaSb superlattice: role of surface states and interface roughness. Semiconductor Science and Technology, 2012, 27, 105025.	2.0	4
44	Plasmon Modulation Spectroscopy of Noble Metals to Reveal the Distribution of the Fermi Surface Electrons in the Conduction Band. Applied Sciences (Switzerland), 2017, 7, 1315.	2.5	4
45	Accurate modeling of electron-hole binding in CuCl. I. Exciton states. Physical Review B, 2020, 102, .	3.2	4
46	Transport and optical response of single nanowires. Journal of Materials Science: Materials in Electronics, 2009, 20, 480-486.	2.2	3
47	Hybrid microspheres with alternating layers of aÂpolymer and metal nanoparticles. Canadian Journal of Chemistry, 2010, 88, 298-304.	1.1	3
48	Inverse exciton series for observation of bipolariton coupling. Journal of Luminescence, 2000, 87-89, 216-218.	3.1	2
49	Nanowire array based photonic crystal devices. , 2005, , .		2
50	Anisotropic optical response of InP self-assembled quantum dots studied by pump-probe spectroscopy. Physical Review B, 2007, 75, .	3.2	2
51	(Invited) Optical Response of II-VI ZnSe Nanowires. ECS Transactions, 2010, 28, 193-202.	0.5	2
52	Mapping the Coulomb Environment in Interference-Quenched Ballistic Nanowires. Nano Letters, 2018, 18, 124-129.	9.1	2
53	Conductive adhesive based shingled solar cells: Electrical degradation under cyclic loading. Solar Energy Materials and Solar Cells, 2022, 245, 111823.	6.2	2
54	Spectrallyâ€resolved transient grating signals from βâ€carotene in benzene solution. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, S34.	0.8	1

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55	Accurate modeling of electron-hole binding in CuCl. II. Biexciton wavefunction. Physical Review B, 2020, 102, .	3.2	1
56	Mechanism of IR Photoresponse in Nanopatterned InAs/GaAs Quantum Dot p-i-n Photodiodes. IEEE Journal of Quantum Electronics, 2010, 46, 832-836.	1.9	0
57	Coulomb Effects in the Optical Spectra of Highly Excited Semiconductor Quantum Dots. Nanoscience and Technology, 2002, , 439-456.	1.5	0
58	Excitonic Optical Nonlinearities and Weakly Correlated Exciton-Pair States. Nanoscience and Technology, 2002, , 389-437.	1.5	0