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List of Publications by Year in descending order

78 papers	4,085 citations	147801 31 h-index	114465 63 g-index
79 all docs	79 docs citations	79 times ranked	5439 citing authors

#	Article	IF	Citations
1	Electrical and chemical properties of vacancy-ordered lead free layered double perovskite nanoparticles. Nanoscale, 2022, 14, 3487-3495.	5.6	8
2	Interior and Edge Magnetization in Thin Exfoliated CrGeTe₃ Films. Nano Letters, 2022, 22, 3165-3172.	9.1	12
3	Hydroxyl Functional Groups in Two-Dimensional Dionâ€“Jacobson Perovskite Solar Cells. ACS Energy Letters, 2022, 7, 217-225.	17.4	20
4	Interplay between friction and spin-orbit coupling as a source of spin polarization. Physical Review B, 2021, 104, .	3.2	14
5	Layered Siâ€“Ti oxide thin films with tailored electrical and optical properties by catalytic tandem MLD-ALD. RSC Advances, 2021, 11, 35099-35109.	3.6	1
6	Unconventional Meissner screening induced by chiral molecules in a conventional superconductor. Physical Review Materials, 2021, 5, .	2.4	11
7	n-Type Doping of Triethylenetetramine on Single-Wall Carbon Nanotubes for Transparent Conducting Cathodes. ACS Applied Nano Materials, 2021, 4, 13279-13287.	5.0	3
8	Role of Exchange Interactions in the Magnetic Response and Intermolecular Recognition of Chiral Molecules. Nano Letters, 2020, 20, 7077-7086.	9.1	35
9	Correlation between Ferromagnetic Layer Easy Axis and the Tilt Angle of Self Assembled Chiral Molecules. Molecules, 2020, 25, 6036.	3.8	19
10	Dielectric Confinement and Excitonic Effects in Two-Dimensional Nanoplatelets. ACS Nano, 2020, 14, 8257-8265.	14.6	29
11	Universal proximity effects in hybrid superconductorâ€“linker moleculeâ€“nanoparticle systems: The effect of molecular chirality. Applied Physics Letters, 2020, 117, .	3.3	4
12	Magnetic-related States and Order Parameter Induced in a Conventional Superconductor by Nonmagnetic Chiral Molecules. Nano Letters, 2019, 19, 5167-5175.	9.1	34
13	3D strain-induced superconductivity in La ₂ CuO _{4+Î´} using a simple vertically aligned nanocomposite approach. Science Advances, 2019, 5, eaav5532.	10.3	31
14	Proximity Effect through Chiral Molecules in Nbâ€“Grapheneâ€Based Devices. Advanced Materials Technologies, 2018, 3, 1700300.	5.8	11
15	Unconventional order parameter induced by helical chiral molecules adsorbed on a metal proximity coupled to a superconductor. Physical Review B, 2018, 98, .	3.2	19
16	On the influence of multiple cations on the in-gap states and phototransport properties of iodide-based halide perovskites. Physical Chemistry Chemical Physics, 2018, 20, 24444-24452.	2.8	22
17	Can we use time-resolved measurements to get steady-state transport data for halide perovskites?. Journal of Applied Physics, 2018, 124, .	2.5	39
18	What can Andreev bound states tell us about superconductors?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20140143.	3.4	5

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19	The influence of conjugated alkynyl(aryl) surface groups on the optical properties of silicon nanocrystals: photoluminescence through in-gap states. Nanotechnology, 2018, 29, 355705.	2.6	7
20	Probing Molecularâ€Transport Properties using the Superconducting Proximity Effect. Small Methods, 2017, 1, 1600034.	8.6	4
21	Dynamic Control of the Vortex Pinning Potential in a Superconductor Using Current Injection through Nanoscale Patterns. Nano Letters, 2017, 17, 2934-2939.	9.1	8
22	What Is the Mechanism of MAPbI₃ p-Doping by I₂? Insights from Optoelectronic Properties. ACS Energy Letters, 2017, 2, 2408-2414.	17.4	68
23	Size-dependent donor and acceptor states in codoped Si nanocrystals studied by scanning tunneling spectroscopy. Nanoscale, 2017, 9, 17884-17892.	5.6	27
24	Compositional and electrical properties of line and planar defects in Cu(In,Ga)Se₂ thin films for solar cells â€“ a review. Physica Status Solidi - Rapid Research Letters, 2016, 10, 363-375.	2.4	47
25	Grafting Poly(3â€hexylthiophene) from Silicon Nanocrystal Surfaces: Synthesis and Properties of a Functional Hybrid Material with Direct Interfacial Contact. Angewandte Chemie - International Edition, 2016, 55, 7393-7397.	13.8	12
26	Copper Sulfide Nanocrystal Level Structure and Electrochemical Functionality towards Sensing Applications. ChemPhysChem, 2016, 17, 675-680.	2.1	17
27	Electronic properties of chalcogenide semiconductor nanostructures and thin-films. , 2016, , .		1
28	Mobilityâ€“Lifetime Products in MAPbI₃ Films. Journal of Physical Chemistry Letters, 2016, 7, 5219-5226.	4.6	55
29	Annihilation of structural defects in chalcogenide absorber films for high-efficiency solar cells. Energy and Environmental Science, 2016, 9, 1818-1827.	30.8	42
30	Grafting Poly(3â€hexylthiophene) from Silicon Nanocrystal Surfaces: Synthesis and Properties of a Functional Hybrid Material with Direct Interfacial Contact. Angewandte Chemie, 2016, 128, 7519-7523.	2.0	3
31	Photoluminescence through in-gap states in phenylacetylene functionalized silicon nanocrystals. Nanoscale, 2016, 8, 7849-7853.	5.6	30
32	Charge Transport in Cu₂S Nanocrystals Arrays: Effects of Crystallite Size and Ligand Length. Zeitschrift Fur Physikalische Chemie, 2015, 229, 179-190.	2.8	10
33	Direct Evaluation of the Quantum Confinement Effect in Single Isolated Ge Nanocrystals. Journal of Physical Chemistry Letters, 2015, 6, 3396-3402.	4.6	36
34	Increasing the critical temperature of Nb films by chemically linking magnetic nanoparticles using organic molecules. Europhysics Letters, 2014, 108, 37006.	2.0	8
35	Rhodium growth on Cu₂S nanocrystals yielding hybrid nanoscale inorganic cages and their synergistic properties. CrystEngComm, 2014, 16, 9506-9512.	2.6	26
36	Magnetic field dependence of the proximity-induced triplet superconductivity at ferromagnet/superconductor interfaces. Physical Review B, 2014, 89, .	3.2	36

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37	Signature of proximity-induced p _x + ip _y triplet pairing in the doped topological insulator Bi ₂ Se ₃ by the s-wave superconductor NbN. Europhysics Letters, 2013, 103, 67010.	2.0	33
38	Increased Superconducting Transition Temperature of a Niobium Thin Film Proximity Coupled to Gold Nanoparticles Using Linking Organic Molecules. Physical Review Letters, 2012, 108, 107004.	7.8	19
39	Periodic negative differential conductance in a single metallic nanocage. Physical Review B, 2012, 86, .	3.2	9
40	Electronic properties of hybrid Cu₂S/Ru semiconductor/metallic-cage nanoparticles. Nanotechnology, 2012, 23, 505710.	2.6	17
41	Single-Particle Studies of Band Alignment Effects on Electron Transfer Dynamics from Semiconductor Hetero-nanostructures to Single-Walled Carbon Nanotubes. ACS Nano, 2012, 6, 176-182.	14.6	23
42	Formation of Au-Silane Bonds. Journal of Nanotechnology, 2012, 2012, 1-8.	3.4	12
43	Heavily Doped Semiconductor Nanocrystal Quantum Dots. Science, 2011, 332, 77-81.	12.6	657
44	Long-range proximity effect in La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>/</mml:mo><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:m	3.2	79
45	Spatial modulation of midgap states in (001)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mrow><mml:mn>1.88</mml:mn> Indications for antiphase ordering of the<mml:math. Physical Review B, 2010, 81, .	3.2	9
46	Electrical Current Switching in Single CdSe Nanorods. Nano Letters, 2010, 10, 2416-2420.	9.1	19
47	Evidence for induced magnetization in superconductor-ferromagnet heterostructures: A scanning tunneling spectroscopy study. Physical Review B, 2009, 79, .	3.2	22
48	Proximity-Induced Pseudogap: Evidence for Preformed Pairs. Physical Review Letters, 2009, 103, 197003.	7.8	20
49	Anomalous Temperature Dependent Transport through Single Colloidal Nanorods Strongly Coupled to Metallic Leads. Nano Letters, 2009, 9, 3671-3675.	9.1	28
50	Tuning Energetic Levels in Nanocrystal Quantum Dots through Surface Manipulations. Nano Letters, 2008, 8, 678-684.	9.1	159
51	Scanning tunneling spectroscopy of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>SmFeAsO</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.8 Possible evidence for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>-wave order-parameter symmetry. Physical Review B,	3.2	75
52	Enhancement of the Superconducting Transition Temperature of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>La</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi> Role of Pairing and Phase Stiffness. Physical Review Letters, 2008, 101, 057005.	7.8	65
53	Determination of Band Offsets in Heterostructured Colloidal Nanorods Using Scanning Tunneling Spectroscopy. Nano Letters, 2008, 8, 2954-2958.	9.1	179
54	Penetration of Andreev bound states into the ferromagnet in aSrRuO3â•(110)YBa2Cu3O7â^'Îbilayer: A scanning tunneling spectroscopy study. Physical Review B, 2007, 76, .	3.2	14

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55	Fullerene-Like (IF) Nb_xMo₁₋_xS₂ Nanoparticles. Journal of the American Chemical Society, 2007, 129, 12549-12562.	13.7	49
56	Level Structure of InAs Quantum Dots in Two-Dimensional Assemblies. Nano Letters, 2006, 6, 2201-2205.	9.1	51
57	Evidence for crossed Andreev reflections in bilayers of (100)YBa2Cu3O7âˆ'Î´and the itinerant ferromagnetSrRuO3. Physical Review B, 2006, 74, .	3.2	39
58	Transition from zero-dimensional to one-dimensional behavior in InAs and CdSe nanorods. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 26, 1-8.	2.7	17
59	Ring Stain Effect at Room Temperature in Silver Nanoparticles Yields High Electrical Conductivity. Langmuir, 2005, 21, 10264-10267.	3.5	75
60	Anomalous Proximity Effect in Gold Coated (110)YBa2Cu3O7âˆ'Î´Films: Penetration of the Andreev Bound States. Physical Review Letters, 2004, 93, 157001.	7.8	12
61	Proximity Effect in Gold-CoatedYBa2Cu3O7âˆ'Î´Films Studied by Scanning Tunneling Spectroscopy. Physical Review Letters, 2004, 92, 017003.	7.8	27
62	Transport and Charging in Single Semiconductor Nanocrystals Studied by Conductance Atomic Force Microscopy. Nano Letters, 2004, 4, 103-108.	9.1	23
63	Zero-Dimensional and Quasi One-Dimensional Effects in Semiconductor Nanorods. Nano Letters, 2004, 4, 1073-1077.	9.1	55
64	Electronic Level Structure and Single Electron Tunneling Effects in CdSe Quantum Rods. Israel Journal of Chemistry, 2004, 44, 391-400.	2.3	5
65	TUNNELING ANDOPTICALSPECTROSCOPY OFSEMICONDUCTORNANOCRYSTALS. Annual Review of Physical Chemistry, 2003, 54, 465-492.	10.8	143
66	Observation of the Verwey Transition in Fe3O4 Nanocrystals. Materials Research Society Symposia Proceedings, 2002, 746, 1.	0.1	5
67	Size and shape dependent level structure in CdSe quantum rods. Materials Research Society Symposia Proceedings, 2002, 737, 174.	0.1	0
68	Size-Dependent Tunneling and Optical Spectroscopy of CdSe Quantum Rods. Physical Review Letters, 2002, 89, 086801.	7.8	206
69	Imaging and Spectroscopy of Artificial-Atom States in Core/Shell Nanocrystal Quantum Dots. Physical Review Letters, 2001, 86, 5751-5754.	7.8	137
70	Control of charging in resonant tunneling through InAs nanocrystal quantum dots. Applied Physics Letters, 2001, 79, 117-119.	3.3	52
71	Scanning tunneling spectroscopy of InAs nanocrystal quantum dots. Physical Review B, 2000, 61, 16773-16777.	3.2	73
72	Electromigration-induced flow of islands and voids on the Cu(001) surface. Physical Review B, 2000, 61, 4975-4982.	3.2	39

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73	Energy level tunneling spectroscopy and single electron charging in individual CdSe quantum dots. Applied Physics Letters, 1999, 75, 1751-1753.	3.3	87
74	Identification of atomic-like electronic states in indium arsenide nanocrystal quantum dots. Nature, 1999, 400, 542-544.	27.8	551
75	Single electron tunneling and level spectroscopy of isolated C60 molecules. Journal of Applied Physics, 1997, 81, 2241-2244.	2.5	90
76	Tunneling spectroscopy of isolatedC60molecules in the presence of charging effects. Physical Review B, 1997, 56, 9829-9833.	3.2	153
77	Cryogenic scanning tunneling spectroscopy studies of inhomogeneous superconductors. Journal of Low Temperature Physics, 1997, 106, 417-422.	1.4	2
78	Proximity and single electron charging effects in granular superconductors. European Physical Journal D, 1996, 46, 749-750.	0.4	0