Haibin Su

List of Publications by Year
in descending order

256 papers	10,636 citations	34105 52 h-index	42399 92 g-index
267 all docs	267 docs citations	267 times ranked	16803 citing authors

#	Article	IF	Citations
1	Phosphorene: from theory to applications. Nature Reviews Materials, 2016, 1, .	48.7	815
2	A stable solution-processed polymer semiconductor with record high-mobility for printed transistors. Scientific Reports, 2012, 2, 754.	3.3	800
3	Tuning the crystal morphology and size of zeolitic imidazolate framework-8 in aqueous solution by surfactants. CrystEngComm, 2011, 13, 6937.	2.6	371
4	Pits confined in ultrathin cerium(IV) oxide for studying catalytic centers in carbon monoxide oxidation. Nature Communications, 2013, 4, 2899.	12.8	326
5	Catalysis mechanisms of CO₂ and CO methanation. Catalysis Science and Technology, 2016, 6, 4048-4058.	4.1	316
6	CO₂ Electroreduction Performance of Transition Metal Dimers Supported on Graphene: A Theoretical Study. ACS Catalysis, 2015, 5, 6658-6664.	11.2	227
7	Pseudo-topotactic conversion of carbon nanotubes to T-carbon nanowires under picosecond laser irradiation in methanol. Nature Communications, 2017, 8, 683.	12.8	184
8	Strain effect on electronic structures of graphene nanoribbons: A first-principles study. Journal of Chemical Physics, 2008, 129, 074704.	3.0	182
9	Tuning the electronic structure of graphene nanoribbons through chemical edge modification: A theoretical study. Physical Review B, 2007, 75, .	3.2	156
10	Single-Crystalline, Ultrathin ZnGa₂O₄ Nanosheet Scaffolds To Promote Photocatalytic Activity in CO₂ Reduction into Methane. ACS Applied Materials & Interfaces, 2014, 6, 2356-2361.	8.0	151
11	Insight into Proton Transfer in Phosphotungstic Acid Functionalized Mesoporous Silica-Based Proton Exchange Membrane Fuel Cells. Journal of the American Chemical Society, 2014, 136, 4954-4964.	13.7	147
12	Newly Developed Stepwise Electroless Deposition Enables a Remarkably Facile Synthesis of Highly Active and Stable Amorphous Pd Nanoparticle Electrocatalysts for Oxygen Reduction Reaction. Journal of the American Chemical Society, 2014, 136, 5217-5220.	13.7	132
13	Elucidating the role of disorder and free-carrier recombination kinetics in CH3NH3PbI3 perovskite films. Nature Communications, 2015, 6, 7903.	12.8	132
14	Room Temperature Synthesis of Stable, Printable Cs₃Cu₂X₅ (X = I,) Tj ETQq0 0 0 rgBT /Overlock Chemistry of Materials, 2020, 32, 5515-5524.	6.7	127
15	Automated Derivation of Bathymetric Information from Multi-Spectral Satellite Imagery Using a Non-Linear Inversion Model. Marine Geodesy, 2008, 31, 281-298.	2.0	115
16	Curvature-Dependent Selectivity of CO₂ Electrocatalytic Reduction on Cobalt Porphyrin Nanotubes. ACS Catalysis, 2016, 6, 6294-6301.	11.2	113
17	Highly Efficient Chemical Process To Convert Mucic Acid into Adipic Acid and DFT Studies of the Mechanism of the Rheniumâ€Catalyzed Deoxydehydration. Angewandte Chemie - International Edition, 2014, 53, 4200-4204.	13.8	112
18	Textured fluorapatite bonded to calcium sulphate strengthen stomatopod raptorial appendages. Nature Communications, 2014, 5, 3187.	12.8	103

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19	Half-Metallicity in Organic Single Porous Sheets. Journal of the American Chemical Society, 2012, 134, 5718-5721.	13.7	101
20	â€œClean Reactionâ€•Strategy to Approach a Stable, Green Heptatwistacene Containing a Single Terminal Pyrene Unit. Chemistry - an Asian Journal, 2012, 7, 672-675.	3.3	98
21	Computed and Experimental Absorption Spectra of the Perovskite CH₃NH₃PbI₃. Journal of Physical Chemistry Letters, 2014, 5, 3061-3065.	4.6	94
22	Anisotropic Electronic Characteristics, Adsorption, and Stability of Low-Index BiVO₄ Surfaces for Photoelectrochemical Applications. ACS Applied Materials & Interfaces, 2018, 10, 5475-5484.	8.0	93
23	Theoretical Modelling and Facile Synthesis of a Highly Active Boronâ€Doped Palladium Catalyst for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2016, 55, 6842-6847.	13.8	92
24	Comparison of satellite reflectance algorithms for estimating chlorophyll-a in a temperate reservoir using coincident hyperspectral aircraft imagery and dense coincident surface observations. Remote Sensing of Environment, 2016, 178, 15-30.	11.0	92
25	Theoretical Insight into the Mechanism of Photoelectrochemical Oxygen Evolution Reaction on BiVO₄ Anode with Oxygen Vacancy. Journal of Physical Chemistry C, 2017, 121, 18702-18709.	3.1	89
26	Bonding Pathways of Gold Nanocrystals in Solution. Nano Letters, 2014, 14, 6639-6643.	9.1	87
27	Magnetic ions in wide band gap semiconductor nanocrystals for optimized thermoelectric properties. Materials Horizons, 2014, 1, 81-86.	12.2	87
28	Persistently Folded Circular Aromatic Amide Pentamers Containing Modularly Tunable Cation-Binding Cavities with High Ion Selectivity. Journal of the American Chemical Society, 2010, 132, 9564-9566.	13.7	86
29	A Pilot Study of Mesenchymal Stem Cell Therapy for Acute Liver Allograft Rejection. Stem Cells Translational Medicine, 2017, 6, 2053-2061.	3.3	86
30	Density functional theory and molecular dynamics studies of the energetics and kinetics of electroactive polymers: PVDF and P(VDF-TrFE). Physical Review B, 2004, 70, .	3.2	82
31	Arene CHï£¿O Hydrogen Bonding: A Stereocontrolling Tool in Palladiumâ€Catalyzed Arylation and Vinylation of Ketones. Angewandte Chemie - International Edition, 2013, 52, 4906-4911.	13.8	82
32	Electronic and magnetic properties of V-doped anataseTiO2from first principles. Physical Review B, 2006, 74, .	3.2	80
33	Optical fiber magnetic field sensor based on magnetic fluid and microfiber mode interferometer. Optics Communications, 2015, 336, 5-8.	2.1	80
34	Synthesis, Structural Investigations, Hydrogenâ^'Deuterium Exchange Studies, and Molecular Modeling of Conformationally Stablilized Aromatic Oligoamides. Journal of the American Chemical Society, 2010, 132, 5869-5879.	13.7	79
35	Density functional theory based screening of ternary alkali-transition metal borohydrides: A computational material design project. Journal of Chemical Physics, 2009, 131, 014101.	3.0	77
36	Five-Fold-Symmetric Macrocyclic Aromatic Pentamers: High-Affinity Cation Recognition, Ion-Pair-Induced Columnar Stacking, and Nanofibrillation. Journal of the American Chemical Society, 2011, 133, 13930-13933.	13.7	77

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37	Crystallographic Evidence of an Unusual, Pentagon-Shaped Folding Pattern in a Circular Aromatic Pentamer. Organic Letters, 2008, 10, 5127-5130.	4.6	74
38	Terahertz Conductivity of Twisted Bilayer Graphene. Physical Review Letters, 2013, 110, 067401.	7.8	73
39	Intensity-modulated magnetic field sensor based on magnetic fluid and optical fiber gratings. Applied Physics Letters, 2013, 103, 183511.	3.3	68
40	Scaling of Excitons in Graphene Nanoribbons with Armchair Shaped Edges. Journal of Physical Chemistry A, 2011, 115, 11998-12003.	2.5	61
41	Crystallographic Realization of the Mathematically Predicted Densest Allâ€Pentagon Packing Lattice by C₅â€Symmetric â€œStickyâ€•Fluoropentamers. Angewandte Chemie - International Edition, 2011, 50, 10612-10615.	13.8	61
42	Merging of metal nanoparticles driven by selective wettability of silver nanostructures. Nature Communications, 2014, 5, 2994.	12.8	61
43	A Facile Strategy To Prepare Smart Coatings with Autonomous Self-Healing and Self-Reporting Functions. ACS Applied Materials & Interfaces, 2020, 12, 4870-4877.	8.0	61
44	Combination Therapy Strategy of Quorum Quenching Enzyme and Quorum Sensing Inhibitor in Suppressing Multiple Quorum Sensing Pathways of P. aeruginosa. Scientific Reports, 2018, 8, 1155.	3.3	60
45	Graphene-based spin logic gates. Applied Physics Letters, 2011, 98, .	3.3	59
46	Geographically Adaptive Inversion Model for Improving Bathymetric Retrieval From Satellite Multispectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 465-476.	6.3	59
47	An enzyme mimic ammonium polymer as a single catalyst for glucose dehydration to 5-hydroxymethylfurfural. Green Chemistry, 2015, 17, 2348-2352.	9.0	59
48	Iron-phthalocyanine molecular junction with high spin filter efficiency and negative differential resistance. Journal of Chemical Physics, 2012, 136, 064707.	3.0	58
49	Helical Organization in Foldable Aromatic Oligoamides by a Continuous Hydrogen-Bonding Network. Organic Letters, 2009, 11, 1201-1204.	4.6	57
50	Average density of states in disordered graphene systems. Physical Review B, 2008, 77, .	3.2	54
51	Self-sorting heterodimeric coiled coil peptides with defined and tuneable self-assembly properties. Scientific Reports, 2015, 5, 14063.	3.3	54
52	Deriving Bathymetry From Optical Images With a Localized Neural Network Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5334-5342.	6.3	54
53	Excitonic Photoluminescence from Nanodisc States in Graphene Oxides. Journal of Physical Chemistry Letters, 2014, 5, 1754-1759.	4.6	53
54	Chiral crystallization of aromatic helical foldamers via complementarities in shape and end functionalities. Chemical Science, 2012, 3, 2042.	7.4	52

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55	Quantum confinement-induced tunable exciton states in graphene oxide. Scientific Reports, 2013, 3, 2250.	3.3	52
56	Encapsulation of Conventional and Unconventional Water Dimers by Water-Binding Foldamers. Organic Letters, 2011, 13, 3194-3197.	4.6	51
57	Transport properties of HfO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>based resistive-switching memories. Physical Review B, 2012, 85, .	3.2	51
58	Molecular Insights into Smallâ€Molecule Drug Discovery for SARSâ€CoVâ€2. Angewandte Chemie - International Edition, 2021, 60, 9789-9802.	13.8	50
59	Observation of room-temperature high-energy resonant excitonic effects in graphene. Physical Review B, 2011, 84, .	3.2	48
60	Dynamic friction force in a carbon peapod oscillator. Nanotechnology, 2006, 17, 5691-5695.	2.6	46
61	Highly selective one-pot synthesis of H-bonded pentagon-shaped circular aromatic pentamers. Chemical Communications, 2011, 47, 5419-5421.	4.1	46
62	Prediction of Water Depth From Multispectral Satellite Imageryâ€"The Regression Kriging Alternative. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 2511-2515.	3.1	46
63	Low-Cost Phase-Selective Organogelators for Rapid Gelation of Crude Oils at Room Temperature. Langmuir, 2016, 32, 13510-13516.	3.5	46
64	Valence-electron distribution inMgB2by accurate diffraction measurements and first-principles calculations. Physical Review B, 2004, 69, .	3.2	44
65	Switching mechanism of photochromic diarylethene derivatives molecular junctions. Journal of Chemical Physics, 2007, 127, 094705.	3.0	44
66	Bathymetry retrieval from optical images with spatially distributed support vector machines. GIScience and Remote Sensing, 2019, 56, 323-337.	5.9	44
67	Efficient organometallic spin filter based on Europium-cyclooctatetraene wire. Journal of Chemical Physics, 2009, 131, .	3.0	43
68	A highly active Pdâ€"P nanoparticle electrocatalyst for enhanced formic acid oxidation synthesized via stepwise electroless deposition. Chemical Communications, 2016, 52, 3556-3559.	4.1	43
69	Magnetism in graphene oxide induced by epoxy groups. Applied Physics Letters, 2015, 106, .	3.3	41
70	Strain effects on point defects and chain-oxygen order-disorder transition in 123 cuprate compounds. Physical Review B, 2004, 70, .	3.2	39
71	Probing the Kinetics of Shortâ€Distance Drug Release from Nanocarriers to Nanoacceptors. Angewandte Chemie - International Edition, 2010, 49, 8426-8430.	13.8	39
72	Structural, Nanomechanical, and Computational Characterization of <scp>d</scp>,<scp>l</scp>-Cyclic Peptide Assemblies. ACS Nano, 2015, 9, 3360-3368.	14.6	39

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73	The effects of space charge, dopants, and strain fields on surfaces and grain boundaries in YBCO compounds. Superconductor Science and Technology, 2005, 18, 24-34.	3.5	38
74	Excitons of Edge and Surface Functionalized Graphene Nanoribbons. Journal of Physical Chemistry C, 2010, 114, 17257-17262.	3.1	38
75	The structural and bonding evolution in cysteineâ€“gold cluster complexes. Physical Chemistry Chemical Physics, 2013, 15, 1690-1698.	2.8	38
76	Nanodroplet-Mediated Assembly of Platinum Nanoparticle Rings in Solution. Nano Letters, 2016, 16, 1092-1096.	9.1	38
77	Water permeation dynamics of AqpZ: A tale of two states. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 1581-1586.	2.6	37
78	Chain growth mechanism on bimetallic surfaces for higher alcohol synthesis from syngas. Catalysis Communications, 2015, 61, 57-61.	3.3	37
79	Second-harmonic generation in noncentrosymmetric phosphates. Physical Review B, 2017, 96, .	3.2	37
80	Electronic structure of bilayer graphene: A real-space Greenâ€™s function study. Physical Review B, 2007, 75, .	3.2	35
81	In vivo studies on non-viral transdifferentiation of liver cells towards pancreatic Î² cells. Journal of Endocrinology, 2012, 214, 277-288.	2.6	35
82	Enhanced CO2 electroreduction on armchair graphene nanoribbons edge-decorated with copper. Nano Research, 2017, 10, 1641-1650.	10.4	35
83	Plasma density induced formation of nanocrystals in physical vapor deposited carbon films. Carbon, 2011, 49, 1733-1744.	10.3	34
84	Alcohol dehydrogenase-specific T-cell responses are associated with alcohol consumption in patients with alcohol-related cirrhosis. Hepatology, 2013, 58, 314-324.	7.3	33
85	Synthesis, structural investigation and computational modelling of water-binding aquafoldamers. Organic and Biomolecular Chemistry, 2012, 10, 1172-1180.	2.8	32
86	Random Laser With Multiphase-Shifted Bragg Grating in Er/Yb-Codoped Fiber. Journal of Lightwave Technology, 2015, 33, 95-99.	4.6	32
87	Second harmonic generation in the Weyl semimetal TaAs from a quantum kinetic equation. Physical Review B, 2018, 97, .	3.2	32
88	Magnetism in hybrid carbon nanostructures: Nanobuds. Physical Review B, 2009, 79, .	3.2	31
89	Exciton Characteristics in Graphene Epoxide. ACS Nano, 2014, 8, 1284-1289.	14.6	31
90	Synthesis and Characterization of a Series of Annelated Benzotriazole Based Polymers with Variable Bandgap. Journal of Organic Chemistry, 2012, 77, 10035-10041.	3.2	30

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91	From benzobisthiadiazole, thiadiazoloquinoxaline to pyrazinoquinoxaline based polymers: effects of aromatic substituents on the performance of organic photovoltaics. Journal of Materials Chemistry, 2012, 22, 18528.	6.7	30
92	Vibrational spectrum renormalization by enforced coupling across the van der Waals gap between<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="bold">Mo</mml:mi><mml:msub><mml:mi mathvariant="bold">S</mml:mi><mml:mn mathvariant="bold">2</mml:mn></mml:msub></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="bold">W</mml:mi><mml:msub><mml:mi mathvariant="bold">S</mml:mi><mml:mn mathva	3.2	30
93	Nanoparticulate Contrast Agents for Multimodality Molecular Imaging. Journal of Biomedical Nanotechnology, 2016, 12, 1553-1584.	1.1	30
94	Human CD4+CD25highCD127low/neg Regulatory T Cells. Methods in Molecular Biology, 2012, 806, 287-299.	0.9	30
95	Impact Ionization and Auger Recombination Rates in Semiconductor Quantum Dots. Journal of Physical Chemistry C, 2010, 114, 3743-3747.	3.1	29
96	Modular peptides from the thermoplastic squid sucker ring teeth form amyloid-like cross-Î² supramolecular networks. Acta Biomaterialia, 2016, 46, 41-54.	8.3	29
97	Erbium-doped fiber laser with distributed Rayleigh output mirror. Laser Physics, 2014, 24, 115101.	1.2	28
98	Nonlinear electronic polarization and optical response in borophosphate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BPO</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math> Physical Review B, 2016, 93, .	3.2	28
99	Algorithmic Foundation and Software Tools for Extracting Shoreline Features from Remote Sensing Imagery and LiDAR Data. Journal of Geographic Information System, 2011, 03, 99-119.	0.5	28
100	Effects of cholesterol on pore formation in lipid bilayers induced by human islet amyloid polypeptide fragments: A coarse-grained molecular dynamics study. Physical Review E, 2011, 84, 051922.	2.1	27
101	Tunable Erbium-Doped Fiber Laser Based on Random Distributed Feedback. IEEE Photonics Journal, 2014, 6, 1-5.	2.0	27
102	Ultrafast Killing and Selfâ€Celling Antimicrobial Imidazolium Oligomers. Small, 2016, 12, 1928-1934.	10.0	27
103	Role of Water in Catalyzing Proton Transfer in Glucose Dehydration to 5â€Hydroxymethylfurfural. ChemCatChem, 2017, 9, 2784-2789.	3.7	27
104	Cytokine IL-6 is required in Citrobacter rodentium infection-induced intestinal Th17 responses and promotes IL-22 expression in inflammatory bowel disease. Molecular Medicine Reports, 2014, 9, 831-836.	2.4	26
105	NHCâ€Ag/Pdâ€Catalyzed Reductive Carboxylation of Terminal Alkynes with CO₂ and H₂: A Combined Experimental and Computational Study for Fineâ€Tuned Selectivity. ChemSusChem, 2017, 10, 836-841.	6.8	26
106	Quantum Tunneling of Magnetization in Ultrasmall Half-Metallic V3O4 Quantum Dots: Displaying Quantum Superparamagnetic State. Scientific Reports, 2012, 2, 755.	3.3	25
107	Universal Transient Dynamics of Electrowetting Droplets. Scientific Reports, 2018, 8, 836.	3.3	25
108	Electronic, Magnetic, and Transport Properties of Fe-COT Clusters: A Theoretical Study. Journal of Physical Chemistry C, 2010, 114, 11946-11950.	3.1	24

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109	Simulations on the effects of confinement and Ni-catalysis on the formation of tubular fullerene structures from peapod precursors. Physical Review B, 2007, 75, .	3.2	23
110	A theoretical study of spin-polarized transport properties of planar four-coordinate Fe complexes. Chemical Physics Letters, 2012, 539-540, 102-106.	2.6	23
111	The acceleration of methanol synthesis and C2 oxygenates formation on copper grain boundary from syngas. Applied Catalysis A: General, 2016, 509, 97-104.	4.3	23
112	Ab initio investigation of Jahnâ€“Teller-distortion-tuned Li-ion migration in Î»-MnO₂. Journal of Materials Chemistry A, 2017, 5, 9618-9626.	10.3	23
113	Human Leukocyte Antigen Profile Predicts Severity of Autoimmune Liver Disease in Children of European Ancestry. Hepatology, 2021, 74, 2032-2046.	7.3	23
114	Measuring the hole-state anisotropy inMgB2by electron energy-loss spectroscopy. Physical Review B, 2003, 67, .	3.2	22
115	T1846 and A/G1913 are associated with acute on chronic liver failure in patients infected with hepatitis B virus genotypes B and C. Journal of Medical Virology, 2011, 83, 996-1004.	5.0	22
116	Power-referenced refractometer with tilted fiber Bragg grating cascaded by chirped grating. Optics Communications, 2014, 312, 106-109.	2.1	22
117	Magnetic field sensor based on magnetic-fluid-coated long-period fiber grating. Journal of Optics (United Kingdom), 2015, 17, 065402.	2.2	22
118	CTAB-Influenced Electrochemical Dissolution of Silver Dendrites. Langmuir, 2016, 32, 3601-3607.	3.5	22
119	Evaluating the portability of satellite derived chlorophyll-a algorithms for temperate inland lakes using airborne hyperspectral imagery and dense surface observations. Harmful Algae, 2018, 76, 35-46.	4.8	22
120	Reversible metal-insulator transition in LaAlO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>thin films mediated by intragap defects: An alternative mechanism for resistive switching. Physical Review B, 2011, 84, .	3.2	21
121	Enhancing magnetic vacancies in semiconductors by strain. Applied Physics Letters, 2012, 100, 072401.	3.3	21
122	Squid Suckerin Biomimetic Peptides Form Amyloid-like Crystals with Robust Mechanical Properties. Biomacromolecules, 2017, 18, 4240-4248.	5.4	21
123	Electronic properties of the coronene series from thermally-assisted-occupation density functional theory. RSC Advances, 2018, 8, 34350-34358.	3.6	21
124	Correlation of EBIC and SWBXT Imaged Defects and Epilayer Growth Pits in 6H-SiC Schottky Diodes. Materials Science Forum, 2000, 338-342, 489-492.	0.3	20
125	Tailoring the Vaporâ€“Liquidâ€“Solid Growth toward the Self-Assembly of GaAs Nanowire Junctions. Nano Letters, 2011, 11, 4947-4952.	9.1	20
126	Theory of high-energy optical conductivity and the role of oxygens in manganites. Physical Review B, 2011, 84, .	3.2	20

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127	Comparative studies on the electrochemical and optical properties of representative benzo[1,2-c;4,5-câ€²]bis[1,2,5]thiadiazole, [1,2,5]-thiadiazolo[3,4-g]quinoxaline and pyrazino[2,3-g]quinoxaline derivatives. Journal of Materials Chemistry C, 2013, 1, 1745.	5.5	20
128	Single quintuple bond [PhCrCrPh] molecule as a possible molecular switch. Journal of Chemical Physics, 2006, 125, 184713.	3.0	19
129	Transport properties through diarylethene derivatives between carbon nanotube electrodes: A theoretical study. Chemical Physics Letters, 2009, 479, 120-124.	2.6	19
130	Molecular Dynamics Simulation Study on the Molecular Structures of the Amylin Fibril Models. Journal of Physical Chemistry B, 2012, 116, 13991-13999.	2.6	19
131	Autoantibody and Human Leukocyte Antigen Profiles in Children With Autoimmune Liver Disease and Their Firstâ€Degree Relatives. Journal of Pediatric Gastroenterology and Nutrition, 2014, 58, 457-462.	1.8	19
132	Miniature temperature sensor with germania-core optical fiber. Optics Express, 2015, 23, 17687.	3.4	19
133	1â€Chloronaphthaleneâ€Induced Donor/Acceptor Vertical Distribution and Carrier Dynamics Changes in Nonfullerene Organic Solar Cells and the Governed Mechanism. Small Methods, 2022, 6, e2101475.	8.6	19
134	Electronic structure of the antiferromagnetic topological insulator candidate GdBiPt. Physical Review B, 2015, 91, .	3.2	18
135	Theoretical analysis of structures and electronic spectra in molecular cadmium chalcogenide clusters. Journal of Chemical Physics, 2015, 142, 234305.	3.0	18
136	Cuprate-like Electronic Properties in Superlattices with AgIIF2 Square Sheet. Scientific Reports, 2014, 4, 5420.	3.3	18
137	Use of rigid cucurbit[6]uril mediating selective water transport as a potential remedy to improve the permselectivity and durability of reverse osmosis membranes. Journal of Membrane Science, 2021, 623, 119017.	8.2	18
138	Lateral size and thickness dependence in ferroelectric nanostructures formed by localized domain switching. Acta Materialia, 2009, 57, 2047-2054.	7.9	17
139	Scaling of flat band potential and dielectric constant as a function of Ta concentration in Ta-TiO2 epitaxial films. AIP Advances, 2011, 1, 022151.	1.3	17
140	Unzipping carbon nanotubes into nanoribbons upon oxidation: A first-principles study. Nanoscale, 2012, 4, 1254.	5.6	17
141	The transport properties of oxygen vacancy-related polaron-like bound state in HfOx. Scientific Reports, 2013, 3, 3246.	3.3	17
142	A clinicalâ€pathological analysis of hepatitis <scp>B</scp> virus recurrence after liver transplantation in <scp>C</scp>hinese patients. Journal of Gastroenterology and Hepatology (Australia), 2014, 29, 554-560.	2.8	17
143	Color tunable hybrid AC powder electroluminescent devices with organic fluorescent materials. Optical Materials Express, 2016, 6, 2879.	3.0	17
144	New insights into Li diffusion in Liâ€“Si alloys for Si anode materials: role of Si microstructures. Nanoscale, 2019, 11, 14042-14049.	5.6	17

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145	Epitaxial engineering of flat silver fluoride cuprate analogs. Physical Review Materials, 2020, 4, .	2.4	17
146	Anomalous polarization switching in organic ferroelectric field effect transistors. Applied Physics Letters, 2007, 91, 042909.	3.3	16
147	Chirally selective growth and extraction of single-wall carbon nanotubes via fullerene nano-peapods. RSC Advances, 2013, 3, 16954.	3.6	16
148	Excitonic Character in Optical Properties of Tetrahedral CdX (X = S, Se, Te) Clusters. Journal of Physical Chemistry C, 2015, 119, 29171-29177.	3.1	16
149	Local Density Approximation for the Short-Range Exchange Free Energy Functional. ACS Omega, 2019, 4, 7675-7683.	3.5	16
150	Manifestation of anisotropy in melting systematics of RBa2Cu3O7â˜Î´ (R=lanthanides). Applied Physics Letters, 2007, 91, 172510.	3.3	15
151	A novel approach for the design of a highly selective sulfate-ion-selective electrode. Chemical Communications, 2009, , 325-327.	4.1	15
152	Theoretical study on the effective methanol decomposition on Pd(111) surface facilitated in alkaline medium. Journal of Electroanalytical Chemistry, 2011, 662, 251-256.	3.8	15
153	Acid Dissociation of 3-Mercaptopropionic Acid Coated CdSeâ€“CdS/Cd_{0.5}Zn_{0.5}S/ZnS Coreâ€“Multishell Quantum Dot and Strong Ionic Interaction with Ca²⁺ Ion. Journal of Physical Chemistry C, 2016, 120, 3519-3529.	3.1	15
154	The selectivity and activity of catalyst for CO hydrogenation to methanol and hydrocarbon: A comparative study on Cu, Co and Ni surfaces. Surface Science, 2016, 645, 30-40.	1.9	15
155	Momentum distribution and contacts of one-dimensional spinless Fermi gases with an attractive <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math> -wave interaction. Physical Review A, 2018, 98, .	2.5	15
156	Polarization and Electric Field Dependence of Electronic Properties in LaAlO₃/SrTiO₃ Heterostructures. ACS Applied Materials & Interfaces, 2011, 3, 3819-3823.	8.0	14
157	Observation of Frenkel and charge transfer excitons in pentacene single crystals using spectroscopic generalized ellipsometry. Applied Physics Letters, 2013, 103, .	3.3	14
158	GdN thin film: Chern insulating state on square lattice. Physical Review B, 2015, 92, .	3.2	14
159	Electronic Properties of Fluoride and Halfâ€“fluoride Superlattices KZnF3/KAgF3 and SrTiO3/KAgF3. Scientific Reports, 2015, 5, 15849.	3.3	14
160	Comparison of satellite reflectance algorithms for estimating turbidity and cyanobacterial concentrations in productive freshwaters using hyperspectral aircraft imagery and dense coincident surface observations. Journal of Great Lakes Research, 2019, 45, 413-433.	1.9	14
161	Non-Catalytic Facile Synthesis of Superhard Phase of Boron Carbide (B₁₃C₂) Nanoflakes and Nanoparticles. Journal of Nanoscience and Nanotechnology, 2012, 12, 596-603.	0.9	13
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