

# Haibin Su

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2279778/publications.pdf>

Version: 2024-02-01

256  
papers

10,636  
citations

39113

52  
h-index

48101

92  
g-index

267  
all docs

267  
docs citations

267  
times ranked

19301  
citing authors

#	ARTICLE	IF	CITATIONS
1	1- <i>Chloronaphthalene</i> -Induced Donor/Acceptor Vertical Distribution and Carrier Dynamics Changes in Nonfullerene Organic Solar Cells and the Governed Mechanism. <i>Small Methods</i> , 2022, 6, e2101475.	4.6	19
2	Mechanisms of Efficient Desalination by a Two-Dimensional Porous Nanosheet Prepared via Bottom-Up Assembly of Cucurbit[6]urils. <i>Membranes</i> , 2022, 12, 252.	1.4	1
3	Gauche Effect on 2D Phosphorus Allotropes™ Energetics. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8883-8888.	1.5	1
4	Molecular Insights into Small-Molecule Drug Discovery for SARS-CoV-2. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9789-9802.	7.2	50
5	Molecular Insights into Small-Molecule Drug Discovery for SARS-CoV-2. <i>Angewandte Chemie</i> , 2021, 133, 9873-9886.	1.6	9
6	Effect of varying the TD-Ic-DFTB range-separation parameter on charge and energy transfer in a model pentacene/buckminsterfullerene heterojunction. <i>Journal of Chemical Physics</i> , 2021, 154, 054102.	1.2	9
7	Use of rigid cucurbit[6]uril mediating selective water transport as a potential remedy to improve the permselectivity and durability of reverse osmosis membranes. <i>Journal of Membrane Science</i> , 2021, 623, 119017.	4.1	18
8	One-Minute Synthesis via Electroless Reduction of Amorphous Phosphorus-Doped Graphene for Oxygen Reduction Reaction. <i>ACS Applied Energy Materials</i> , 2021, 4, 5388-5391.	2.5	9
9	Human Leukocyte Antigen Profile Predicts Severity of Autoimmune Liver Disease in Children of European Ancestry. <i>Hepatology</i> , 2021, 74, 2032-2046.	3.6	23
10	Optical detection of quantum geometric tensor in intrinsic semiconductors. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	2.0	6
11	Optical-field induced SU(2) pair potential in caesium lead halide perovskites. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150030.	1.0	0
12	Unraveling Dynamic Transitions in Time-Resolved Biomolecular Motions by A Dressed Diffusion Model. <i>Journal of Physical Chemistry A</i> , 2020, 124, 613-617.	1.1	5
13	A Facile Strategy To Prepare Smart Coatings with Autonomous Self-Healing and Self-Reporting Functions. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 4870-4877.	4.0	61
14	Anomalous Photoinduced Reconstructing and Dark Self-Healing Processes on Bi <sub>2</sub> O <sub>2</sub> S Nanoplates. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7832-7838.	2.1	7
15	Room Temperature Synthesis of Stable, Printable Cs <sub>3</sub> Cu <sub>2</sub> X <sub>5</sub> (X = I, Tl) ETQq1 1 0.784314 rgB (Chemistry of Materials, 2020, 32, 5515-5524.	3.2	127
16	Identifying Different Spin Mixing Channels Occurring in Charge-Transfer States. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14832-14837.	1.5	6
17	Generalization of Langevin Dynamics from Spatio-Temporal Dressed Dynamics Perspective. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3269-3275.	1.1	3
18	Supramolecular Assemblies: Supramolecular Protein Assembly Retains Its Structural Integrity at Liquid-Liquid Interface (Adv. Mater. Interfaces 4/2020). <i>Advanced Materials Interfaces</i> , 2020, 7, 2070021.	1.9	1

#	ARTICLE	IF	CITATIONS
19	Supramolecular Protein Assembly Retains Its Structural Integrity at Liquid-Liquid Interface. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901674.	1.9	4
20	Electrochemical properties of p-terphenyl based lithium solvated electron solutions. <i>Journal of Electroanalytical Chemistry</i> , 2020, 875, 114148.	1.9	1
21	On fractional charge in molecules and materials. <i>Theoretical Chemistry Accounts</i> , 2020, 139, 1.	0.5	1
22	Orbital-adapted electronic structure and anisotropic transport in $\text{SrTiO}_3$ heterostructure. <i>Physical Review Materials</i> , 2020, 4, .	0.9	11
23	Epitaxial engineering of flat silver fluoride cuprate analogs. <i>Physical Review Materials</i> , 2020, 4, .	0.9	17
24	Structural design of microbicidal cationic oligomers and their synergistic interaction with azoles against <i>Candida albicans</i> . <i>Scientific Reports</i> , 2019, 9, 11885.	1.6	8
25	New insights into Li diffusion in Si alloys for Si anode materials: role of Si microstructures. <i>Nanoscale</i> , 2019, 11, 14042-14049.	2.8	17
26	Optical response of the chiral topological semimetal RhSi. <i>Physical Review B</i> , 2019, 100, .	1.1	13
27	Local Density Approximation for the Short-Range Exchange Free Energy Functional. <i>ACS Omega</i> , 2019, 4, 7675-7683.	1.6	16
28	Electrochemical Properties of Anthracene-Based Lithium-Solvated Electron Solutions. <i>ACS Omega</i> , 2019, 4, 4707-4711.	1.6	2
29	Method to extract multiple states in $F_1$ -ATPase rotation experiments from jump distributions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25456-25461.	3.3	5
30	Comparison of satellite reflectance algorithms for estimating turbidity and cyanobacterial concentrations in productive freshwaters using hyperspectral aircraft imagery and dense coincident surface observations. <i>Journal of Great Lakes Research</i> , 2019, 45, 413-433.	0.8	14
31	Bathymetry retrieval from optical images with spatially distributed support vector machines. <i>GIScience and Remote Sensing</i> , 2019, 56, 323-337.	2.4	44
32	Deep-ultraviolet nonlinear optical material with unprecedented strong second-harmonic generation coefficient. <i>Physical Review Materials</i> , 2019, 3, .	0.9	11
33	Theoretical Modeling, Facile Fabrication, and Experimental Study of Optimally Bound Bilirubin Oxidase on Palladium Nanoparticles for Enhanced Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2018, 8, 4950-4954.	5.5	3
34	Structural evolution dynamics in fusion of sumanenes and corannulenes: defects formation and self-healing mechanism. <i>Nano Futures</i> , 2018, 2, 025001.	1.0	0
35	Coupled Mutations-Enabled Glycerol Transportation in an Aquaporin Z Mutant. <i>ACS Omega</i> , 2018, 3, 4113-4122.	1.6	3
36	Second harmonic generation in the Weyl semimetal TaAs from a quantum kinetic equation. <i>Physical Review B</i> , 2018, 97, .	1.1	32

#	ARTICLE	IF	CITATIONS
37	Universal Transient Dynamics of Electrowetting Droplets. <i>Scientific Reports</i> , 2018, 8, 836.	1.6	25
38	Anisotropic Electronic Characteristics, Adsorption, and Stability of Low-Index BiVO <sub>4</sub> Surfaces for Photoelectrochemical Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 5475-5484.	4.0	93
39	Combination Therapy Strategy of Quorum Quenching Enzyme and Quorum Sensing Inhibitor in Suppressing Multiple Quorum Sensing Pathways of <i>P. aeruginosa</i> . <i>Scientific Reports</i> , 2018, 8, 1155.	1.6	60
40	Deriving Bathymetry From Optical Images With a Localized Neural Network Algorithm. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 5334-5342.	2.7	54
41	Elucidation of thermally induced internal porosity in zinc oxide nanorods. <i>Nano Research</i> , 2018, 11, 2412-2423.	5.8	10
42	Electronic properties of the coronene series from thermally-assisted-occupation density functional theory. <i>RSC Advances</i> , 2018, 8, 34350-34358.	1.7	21
43	Electrical and electrochemical properties of triphenylene based lithium solvated electron solutions. <i>Electrochimica Acta</i> , 2018, 292, 142-146.	2.6	4
44	Evaluating the portability of satellite derived chlorophyll-a algorithms for temperate inland lakes using airborne hyperspectral imagery and dense surface observations. <i>Harmful Algae</i> , 2018, 76, 35-46.	2.2	22
45	Momentum distribution and contacts of one-dimensional spinless Fermi gases with an attractive $p$ -wave interaction. <i>Physical Review A</i> , 2018, 98, .	1.0	15
46	Stratification Modelling of Key Bacterial Taxa Driven by Metabolic Dynamics in Meromictic Lakes. <i>Scientific Reports</i> , 2018, 8, 9538.	1.6	3
47	Be <sub>12</sub> O <sub>12</sub> Nano-cage as a Promising Catalyst for CO <sub>2</sub> Hydrogenation. <i>Scientific Reports</i> , 2017, 7, 40562.	1.6	6
48	Enhanced CO <sub>2</sub> electroreduction on armchair graphene nanoribbons edge-decorated with copper. <i>Nano Research</i> , 2017, 10, 1641-1650.	5.8	35
49	Ab initio investigation of Jahn-Teller-distortion-tuned Li-ion migration in $\hat{\Gamma}_6$ -MnO <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , 2017, 5, 9618-9626.	5.2	23
50	Predicted Weyl fermions in magnetic GdBi and GdSb. <i>International Journal of Modern Physics B</i> , 2017, 31, 1750217.	1.0	13
51	Chiral Pentagon Only Diamond-like Structures. <i>Journal of Physical Chemistry C</i> , 2017, 121, 13810-13815.	1.5	13
52	Role of Water in Catalyzing Proton Transfer in Glucose Dehydration to 5-Hydroxymethylfurfural. <i>ChemCatChem</i> , 2017, 9, 2784-2789.	1.8	27
53	NHC-Ag/Pd-Catalyzed Reductive Carboxylation of Terminal Alkynes with CO <sub>2</sub> and H <sub>2</sub> : A Combined Experimental and Computational Study for Fine-Tuned Selectivity. <i>ChemSusChem</i> , 2017, 10, 836-841.	3.6	26
54	Pseudo-topotactic conversion of carbon nanotubes to T-carbon nanowires under picosecond laser irradiation in methanol. <i>Nature Communications</i> , 2017, 8, 683.	5.8	184

#	ARTICLE	IF	CITATIONS
55	Significance of monitoring plasma concentration of voriconazole in a patient with liver failure. <i>Medicine (United States)</i> , 2017, 96, e8039.	0.4	8
56	Second-harmonic generation in noncentrosymmetric phosphates. <i>Physical Review B</i> , 2017, 96, .	1.1	37
57	Theoretical Insight into the Mechanism of Photoelectrochemical Oxygen Evolution Reaction on BiVO <sub>4</sub> Anode with Oxygen Vacancy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 18702-18709.	1.5	89
58	Squid Suckerin Biomimetic Peptides Form Amyloid-like Crystals with Robust Mechanical Properties. <i>Biomacromolecules</i> , 2017, 18, 4240-4248.	2.6	21
59	Band topologies of hexaborides CaB <sub>6</sub> and EuB <sub>6</sub> . <i>Science China: Physics, Mechanics and Astronomy</i> , 2017, 60, 1.	2.0	2
60	Dielectric relaxation in AC powder electroluminescent devices. <i>Solid State Communications</i> , 2017, 250, 53-56.	0.9	7
61	A Pilot Study of Mesenchymal Stem Cell Therapy for Acute Liver Allograft Rejection. <i>Stem Cells Translational Medicine</i> , 2017, 6, 2053-2061.	1.6	86
62	Mid-infrared supercontinuum generation by nanosecond diode pumping. , 2017, , .		0
63	Opto-impedance spectroscopy and equivalent circuit analyses of AC powder electroluminescent devices. <i>Optics Express</i> , 2017, 25, A454.	1.7	11
64	Frontispiz: Theoretical Modelling and Facile Synthesis of a Highly Active Boron-Doped Palladium Catalyst for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2016, 128, .	1.6	0
65	Mechanistic Study on Oxorheniumâ€Catalyzed Deoxydehydration and Allylic Alcohol Isomerization. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1565-1571.	1.7	13
66	Ultrafast Killing and Selfâ€Cgelling Antimicrobial Imidazolium Oligomers. <i>Small</i> , 2016, 12, 1928-1934.	5.2	27
67	Frontispiece: Theoretical Modelling and Facile Synthesis of a Highly Active Boron-Doped Palladium Catalyst for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, .	7.2	0
68	Catalysis mechanisms of CO <sub>2</sub> and CO methanation. <i>Catalysis Science and Technology</i> , 2016, 6, 4048-4058.	2.1	316
69	Fractional Mott insulator-to-superfluid transition of Boseâ€CHubbard model in a trimerized KagomÃ© optical lattice. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 256001.	0.7	3
70	Color tunable hybrid AC powder electroluminescent devices with organic fluorescent materials. <i>Optical Materials Express</i> , 2016, 6, 2879.	1.6	17
71	Modular peptides from the thermoplastic squid sucker ring teeth form amyloid-like cross- $\beta^2$ supramolecular networks. <i>Acta Biomaterialia</i> , 2016, 46, 41-54.	4.1	29
72	A graph-based approach for assessing storm-induced coastal changes. <i>International Journal of Remote Sensing</i> , 2016, 37, 4854-4873.	1.3	4

#	ARTICLE	IF	CITATIONS
73	Curvature-Dependent Selectivity of CO <sub>2</sub> Electrochemical Reduction on Cobalt Porphyrin Nanotubes. ACS Catalysis, 2016, 6, 6294-6301.	5.5	113
74	Low-Cost Phase-Selective Organogelators for Rapid Gelation of Crude Oils at Room Temperature. Langmuir, 2016, 32, 13510-13516.	1.6	46
75	Computation-guided improved one-pot synthesis of macrocyclic cation-binding aromatic pyridone pentamers. Organic and Biomolecular Chemistry, 2016, 14, 9961-9965.	1.5	0
76	Nonlinear electronic polarization and optical response in borophosphate Physical Review B, 2016, 93, .	1.1	0
77	Nanoparticulate Contrast Agents for Multimodality Molecular Imaging. Journal of Biomedical Nanotechnology, 2016, 12, 1553-1584.	0.5	30
78	Phosphorene: from theory to applications. Nature Reviews Materials, 2016, 1, .	23.3	815
79	Theoretical Modelling and Facile Synthesis of a Highly Active Boron-Doped Palladium Catalyst for the Oxygen Reduction Reaction. Angewandte Chemie, 2016, 128, 6956-6961.	1.6	11
80	Theoretical Modelling and Facile Synthesis of a Highly Active Boron-Doped Palladium Catalyst for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2016, 55, 6842-6847.	7.2	92
81	CTAB-Influenced Electrochemical Dissolution of Silver Dendrites. Langmuir, 2016, 32, 3601-3607.	1.6	22
82	Synthesis and characterization of three thienopyridazine-based copolymers and their application in OFET. Tetrahedron Letters, 2016, 57, 1523-1527.	0.7	12
83	Acid Dissociation of 3-Mercaptopropionic Acid Coated CdSe/CdS/Cd <sub>0.5</sub> Zn <sub>0.5</sub> S/ZnS Core-Multishell Quantum Dot and Strong Ionic Interaction with Ca <sup>2+</sup> Ion. Journal of Physical Chemistry C, 2016, 120, 3519-3529.	1.5	15
84	A highly active Pd-P nanoparticle electrocatalyst for enhanced formic acid oxidation synthesized via stepwise electroless deposition. Chemical Communications, 2016, 52, 3556-3559.	2.2	43
85	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.	4.6	92
86	Nanodroplet-Mediated Assembly of Platinum Nanoparticle Rings in Solution. Nano Letters, 2016, 16, 1092-1096.	4.5	38
87	The acceleration of methanol synthesis and C2 oxygenates formation on copper grain boundary from syngas. Applied Catalysis A: General, 2016, 509, 97-104.	2.2	23
88	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.	0.8	15
89	Mechanical properties of sandwich composite made of syntactic foam core and GFRP skins. AIMS Materials Science, 2016, 3, 1704-1727.	0.7	13
90	GdN thin film: Chern insulating state on square lattice. Physical Review B, 2015, 92, .	1.1	14

#	ARTICLE	IF	CITATIONS
91	Renormalization spectrum renormalization by enforced coupling across the van der Waals gap between $\text{MoS}_2$ and $\text{S}_2$ . <i>Physical Review B</i> , 2015, 91, .	1.1	30
92	Electronic structure of the antiferromagnetic topological insulator candidate GdBiPt. <i>Physical Review B</i> , 2015, 91, .	1.1	18
93	Theoretical analysis of structures and electronic spectra in molecular cadmium chalcogenide clusters. <i>Journal of Chemical Physics</i> , 2015, 142, 234305.	1.2	18
94	Self-sorting heterodimeric coiled coil peptides with defined and tuneable self-assembly properties. <i>Scientific Reports</i> , 2015, 5, 14063.	1.6	54
95	Electronic Properties of Fluoride and Half-fluoride Superlattices $\text{KZnF}_3/\text{KAgF}_3$ and $\text{SrTiO}_3/\text{KAgF}_3$ . <i>Scientific Reports</i> , 2015, 5, 15849.	1.6	14
96	Orbital-dependent Electron-Hole Interaction in Graphene and Associated Multi-Layer Structures. <i>Scientific Reports</i> , 2015, 5, 17337.	1.6	6
97	Computational Investigation of the $1,4\text{-Rh}$ Shift in the $[(\text{Ph})_2\text{PCH}_2\text{CH}_2\text{PPh}_2\text{Rh}]$ -Catalyzed Alkyne Arylation Reaction. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7114-7121.	1.2	8
98	Magnetic field sensor based on magnetic-fluid-coated long-period fiber grating. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 065402.	1.0	22
99	Formation of $\text{Os}(\text{C}_6\text{H}_5)_2$ dirhenium(I) hexacarbonyl complexes by trans-1,2-bis(diphenylphosphino)ethylene and bis(bidentate) ligands. <i>Journal of Organometallic Chemistry</i> , 2015, 792, 211-219.	0.8	7
100	Highly sensitive magnetic field sensor using long-period fiber grating. , 2015, .		2
101	Prediction of Water Depth From Multispectral Satellite Imagery—The Regression Kriging Alternative. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 2511-2515.	1.4	46
102	Excitonic Character in Optical Properties of Tetrahedral $\text{CdX}$ ( $X = \text{S}, \text{Se}, \text{Te}$ ) Clusters. <i>Journal of Physical Chemistry C</i> , 2015, 119, 29171-29177.	1.5	16
103	An enzyme mimic ammonium polymer as a single catalyst for glucose dehydration to 5-hydroxymethylfurfural. <i>Green Chemistry</i> , 2015, 17, 2348-2352.	4.6	59
104	Elucidating the role of disorder and free-carrier recombination kinetics in $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite films. <i>Nature Communications</i> , 2015, 6, 7903.	5.8	132
105	Magnetism in graphene oxide induced by epoxy groups. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	41
106	Structural, Nanomechanical, and Computational Characterization of $\text{D}$ -Cyclic Peptide Assemblies. <i>ACS Nano</i> , 2015, 9, 3360-3368.	7.3	39
107	Miniature temperature sensor with germania-core optical fiber. <i>Optics Express</i> , 2015, 23, 17687.	1.7	19
108	$\text{CO}_2$ Electroreduction Performance of Transition Metal Dimers Supported on Graphene: A Theoretical Study. <i>ACS Catalysis</i> , 2015, 5, 6658-6664.	5.5	227

#	ARTICLE	IF	CITATIONS
109	Random Laser With Multiphase-Shifted Bragg Grating in Er/Yb-Codoped Fiber. <i>Journal of Lightwave Technology</i> , 2015, 33, 95-99.	2.7	32
110	Chain growth mechanism on bimetallic surfaces for higher alcohol synthesis from syngas. <i>Catalysis Communications</i> , 2015, 61, 57-61.	1.6	37
111	Optical fiber magnetic field sensor based on magnetic fluid and microfiber mode interferometer. <i>Optics Communications</i> , 2015, 336, 5-8.	1.0	80
112	Mid-infrared Raman sources with highly GeO <sub>2</sub> -doped silica optical fibers. , 2015, , .		0
113	First Principles (DFT) Characterization of Rh <sup>I</sup> /dppp-Catalyzed C <sub>2</sub> H <sub>4</sub> Activation by Tandem 1,2-Addition/1,4-Rh Shift Reactions of Norbornene to Phenylboronic Acid. <i>Chemistry - A European Journal</i> , 2014, 20, 15625-15634.	1.7	13
114	Cytokine IL-6 is required in <i>Citrobacter rodentium</i> infection-induced intestinal Th17 responses and promotes IL-22 expression in inflammatory bowel disease. <i>Molecular Medicine Reports</i> , 2014, 9, 831-836.	1.1	26
115	Bonding Pathways of Gold Nanocrystals in Solution. <i>Nano Letters</i> , 2014, 14, 6639-6643.	4.5	87
116	A clinical-pathological analysis of hepatitis B virus recurrence after liver transplantation in Chinese patients. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2014, 29, 554-560.	1.4	17
117	Comparative Studies on Rigid-Linker-Based Organic Dyes: Structure-Property Relationships and Photovoltaic Performance. <i>ChemSusChem</i> , 2014, 7, 3396-3406.	3.6	7
118	Autoantibody and Human Leukocyte Antigen Profiles in Children With Autoimmune Liver Disease and Their First-Degree Relatives. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2014, 58, 457-462.	0.9	19
119	Highly Efficient Chemical Process To Convert Mucic Acid into Adipic Acid and DFT Studies of the Mechanism of the Rhenium-Catalyzed Deoxydehydration. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4200-4204.	7.2	112
120	Geographically Adaptive Inversion Model for Improving Bathymetric Retrieval From Satellite Multispectral Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 465-476.	2.7	59
121	Exciton Characteristics in Graphene Epoxide. <i>ACS Nano</i> , 2014, 8, 1284-1289.	7.3	31
122	Textured fluorapatite bonded to calcium sulphate strengthen stomatopod raptorial appendages. <i>Nature Communications</i> , 2014, 5, 3187.	5.8	103
123	The mechanism of transforming diamond nanowires to carbon nanostructures. <i>Nanotechnology</i> , 2014, 25, 035601.	1.3	5
124	Merging of metal nanoparticles driven by selective wettability of silver nanostructures. <i>Nature Communications</i> , 2014, 5, 2994.	5.8	61
125	Interface-induced magnetic coupling in multiferroic/ferromagnetic bilayer: An ultrafast pump-probe study. <i>Applied Physics Letters</i> , 2014, 104, 141602.	1.5	7
126	Tunable Erbium-Doped Fiber Laser Based on Random Distributed Feedback. <i>IEEE Photonics Journal</i> , 2014, 6, 1-5.	1.0	27



#	ARTICLE	IF	CITATIONS
127	Magnetic ions in wide band gap semiconductor nanocrystals for optimized thermoelectric properties. <i>Materials Horizons</i> , 2014, 1, 81-86.	6.4	87
128	Erbium-doped fiber laser with distributed Rayleigh output mirror. <i>Laser Physics</i> , 2014, 24, 115101.	0.6	28
129	Computed and Experimental Absorption Spectra of the Perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$ . <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3061-3065.	2.1	94
130	Excitonic Photoluminescence from Nanodisc States in Graphene Oxides. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1754-1759.	2.1	53
131	Single-Crystalline, Ultrathin $\text{ZnGa}_2\text{O}_4$ Nanosheet Scaffolds To Promote Photocatalytic Activity in $\text{CO}_2$ Reduction into Methane. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 2356-2361.	4.0	151
132	Phase Diagram of Solid-Phase Transformation in Amorphous Carbon Nanorods. <i>Journal of Physical Chemistry A</i> , 2014, 118, 9163-9172.	1.1	3
133	Power-referenced refractometer with tilted fiber Bragg grating cascaded by chirped grating. <i>Optics Communications</i> , 2014, 312, 106-109.	1.0	22
134	Newly Developed Stepwise Electroless Deposition Enables a Remarkably Facile Synthesis of Highly Active and Stable Amorphous Pd Nanoparticle Electrocatalysts for Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2014, 136, 5217-5220.	6.6	132
135	Insight into Proton Transfer in Phosphotungstic Acid Functionalized Mesoporous Silica-Based Proton Exchange Membrane Fuel Cells. <i>Journal of the American Chemical Society</i> , 2014, 136, 4954-4964.	6.6	147
136	Ab initio simulation of electronic and mechanical properties of aluminium for fatigue early feature investigation. <i>International Journal of Nanotechnology</i> , 2014, 11, 373.	0.1	2
137	Cuprate-like Electronic Properties in Superlattices with $\text{AgIIF}_2$ Square Sheet. <i>Scientific Reports</i> , 2014, 4, 5420.	1.6	18
138	Terahertz Conductivity of Twisted Bilayer Graphene. <i>Physical Review Letters</i> , 2013, 110, 067401.	2.9	73
139	Quantum confinement-induced tunable exciton states in graphene oxide. <i>Scientific Reports</i> , 2013, 3, 2250.	1.6	52
140	Investigation of work function and surface energy of aluminum: An ab-initio study. , 2013, , .		5
141	Alcohol dehydrogenase-specific T-cell responses are associated with alcohol consumption in patients with alcohol-related cirrhosis. <i>Hepatology</i> , 2013, 58, 314-324.	3.6	33
142	Chirally selective growth and extraction of single-wall carbon nanotubes via fullerene nano-peapods. <i>RSC Advances</i> , 2013, 3, 16954.	1.7	16
143	The structural and bonding evolution in cysteine-gold cluster complexes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 1690-1698.	1.3	38
144	Characteristics of $\text{V}\alpha_1^+$ and $\text{V}\alpha_2^+$ T cell subsets in acute liver allograft rejection. <i>Transplant Immunology</i> , 2013, 29, 118-122.	0.6	10

#	ARTICLE	IF	CITATIONS
145	Arene CH <sub>2</sub> O Hydrogen Bonding: A Stereocontrolling Tool in Palladium-Catalyzed Arylation and Vinylation of Ketones. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4906-4911.	7.2	82
146	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. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1745.	2.7	20
147	Dissimilar stability of proteins in graphene bilayer: a molecular dynamics study. <i>Molecular Physics</i> , 2013, 111, 545-552.	0.8	7
148	Pits confined in ultrathin cerium(IV) oxide for studying catalytic centers in carbon monoxide oxidation. <i>Nature Communications</i> , 2013, 4, 2899.	5.8	326
149	Observation of Frenkel and charge transfer excitons in pentacene single crystals using spectroscopic generalized ellipsometry. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	14
150	Electronic reconstruction and surface two-dimensional electron gas in a polarized heterostructure with a hole-doped single copper-oxygen plane. <i>Physical Review B</i> , 2013, 87, .	1.1	3
151	Intensity-modulated magnetic field sensor based on magnetic fluid and optical fiber gratings. <i>Applied Physics Letters</i> , 2013, 103, 183511.	1.5	68
152	The transport properties of oxygen vacancy-related polaron-like bound state in HfOx. <i>Scientific Reports</i> , 2013, 3, 3246.	1.6	17
153	Contrasting Historical and Recent Breakup Styles on the Meade River of Arctic Alaska in the Context of a Warming Climate. <i>American Journal of Climate Change</i> , 2013, 02, 165-172.	0.5	2
154	Transverse dispersion and interfacial dephasing effects on the shape and amplitude of the ballistic-electron-emission spectroscopy of nanographenes. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 255303.	0.7	1
155	Enhancing magnetic vacancies in semiconductors by strain. <i>Applied Physics Letters</i> , 2012, 100, 072401.	1.5	21
156	Non-Catalytic Facile Synthesis of Superhard Phase of Boron Carbide (B <sub>13</sub> C <sub>2</sub> ) Nanoflakes and Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 596-603.	0.9	13
157	Multi-paradigm simulation at nanoscale: Methodology and application to functional carbon material. , 2012, , .		0
158	Synthesis and Characterization of a Series of Annelated Benzotriazole Based Polymers with Variable Bandgap. <i>Journal of Organic Chemistry</i> , 2012, 77, 10035-10041.	1.7	30
159	Locking high energy 1D chain of dichloromethane molecules containing abnormally short Clâˆ·Cl contacts of 2.524 Å... inside organic crystals. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5525.	1.5	7
160	From benzobisthiadiazole, thiadiazoloquinoxaline to pyrazinoquinoxaline based polymers: effects of aromatic substituents on the performance of organic photovoltaics. <i>Journal of Materials Chemistry</i> , 2012, 22, 18528.	6.7	30
161	Magnetism in Thiolated Gold Model Junctions. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17714-17720.	1.5	5
162	Half-Metallicity in Organic Single Porous Sheets. <i>Journal of the American Chemical Society</i> , 2012, 134, 5718-5721.	6.6	101

#	ARTICLE	IF	CITATIONS
163	Synthesis, structural investigation and computational modelling of water-binding aquafoldamers. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1172-1180.	1.5	32
164	A theoretical study of spin-polarized transport properties of planar four-coordinate Fe complexes. <i>Chemical Physics Letters</i> , 2012, 539-540, 102-106.	1.2	23
165	Unzipping carbon nanotubes into nanoribbons upon oxidation: A first-principles study. <i>Nanoscale</i> , 2012, 4, 1254.	2.8	17
166	Ultrafast carrier phonon dynamics in NaOH-reacted graphite oxide film. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	12
167	Population Shift between the Open and Closed States Changes the Water Permeability of an Aquaporin Z Mutant. <i>Biophysical Journal</i> , 2012, 103, 212-218.	0.2	7
168	Iron-phthalocyanine molecular junction with high spin filter efficiency and negative differential resistance. <i>Journal of Chemical Physics</i> , 2012, 136, 064707.	1.2	58
169	Quantum Tunneling of Magnetization in Ultrasmall Half-Metallic V3O4 Quantum Dots: Displaying Quantum Superparamagnetic State. <i>Scientific Reports</i> , 2012, 2, 755.	1.6	25
170	Molecular Dynamics Simulation Study on the Molecular Structures of the Amylin Fibril Models. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13991-13999.	1.2	19
171	A stable solution-processed polymer semiconductor with record high-mobility for printed transistors. <i>Scientific Reports</i> , 2012, 2, 754.	1.6	800
172	Chiral crystallization of aromatic helical foldamers via complementarities in shape and end functionalities. <i>Chemical Science</i> , 2012, 3, 2042.	3.7	52
173	Transport properties of HfO <sub>2</sub> -based resistive-switching memories. <i>Physical Review B</i> , 2012, 85, .	1.1	51
174	“Clean Reaction” Strategy to Approach a Stable, Green Heptatwistacene Containing a Single Terminal Pyrene Unit. <i>Chemistry - an Asian Journal</i> , 2012, 7, 672-675.	1.7	98
175	In vivo studies on non-viral transdifferentiation of liver cells towards pancreatic $\beta^2$ cells. <i>Journal of Endocrinology</i> , 2012, 214, 277-288.	1.2	35
176	Robust dynamical compensator design for discrete-time linear periodic systems. <i>Journal of Global Optimization</i> , 2012, 52, 291-304.	1.1	3
177	Human CD4+CD25 <sup>high</sup> CD127 <sup>low</sup> /neg Regulatory T Cells. <i>Methods in Molecular Biology</i> , 2012, 806, 287-299.	0.4	30
178	Precise engineering and visualization of signs and magnitudes of DNA writhe on the basis of PNA invasion. <i>Chemical Communications</i> , 2011, 47, 10695.	2.2	10
179	Highly selective one-pot synthesis of H-bonded pentagon-shaped circular aromatic pentamers. <i>Chemical Communications</i> , 2011, 47, 5419-5421.	2.2	46
180	Recognition of forcible curvature in circular DNA by human topoisomerase I. <i>Chemical Communications</i> , 2011, 47, 11309.	2.2	5

#	ARTICLE	IF	CITATIONS
181	Polarization and Electric Field Dependence of Electronic Properties in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Heterostructures. ACS Applied Materials & Interfaces, 2011, 3, 3819-3823.	4.0	14
182	Tailoring the Vapor-Liquid-Solid Growth toward the Self-Assembly of GaAs Nanowire Junctions. Nano Letters, 2011, 11, 4947-4952.	4.5	20
183	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.	6.6	77
184	Theoretical study on the effective methanol decomposition on Pd(111) surface facilitated in alkaline medium. Journal of Electroanalytical Chemistry, 2011, 662, 251-256.	1.9	15
185	Substituent effect on the electronic properties of pyrazino[2,3-g] quinoxaline molecules. Journal of Materials Chemistry, 2011, 21, 17798.	6.7	12
186	A novel data selection method based on shadowed sets. Procedia Engineering, 2011, 15, 1410-1415.	1.2	7
187	Graphene-based spin logic gates. Applied Physics Letters, 2011, 98, .	1.5	59
188	Tuning the crystal morphology and size of zeolitic imidazolate framework-8 in aqueous solution by surfactants. CrystEngComm, 2011, 13, 6937.	1.3	371
189	Scaling of Excitons in Graphene Nanoribbons with Armchair Shaped Edges. Journal of Physical Chemistry A, 2011, 115, 11998-12003.	1.1	61
190	Water permeation dynamics of AqpZ: A tale of two states. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 1581-1586.	1.4	37
191	Three-Stage Transformation Pathway from Nanodiamonds to Fullerenes. Journal of Physical Chemistry A, 2011, 115, 8327-8334.	1.1	9
192	Scaling of flat band potential and dielectric constant as a function of Ta concentration in Ta-TiO <sub>2</sub> epitaxial films. AIP Advances, 2011, 1, 022151.	0.6	17
193	Observation of room-temperature high-energy resonant excitonic effects in graphene. Physical Review B, 2011, 84, .	1.1	48
194	Encapsulation of Conventional and Unconventional Water Dimers by Water-Binding Foldamers. Organic Letters, 2011, 13, 3194-3197.	2.4	51
195	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.	2.5	22
196	Crystallographic Realization of the Mathematically Predicted Densest All-Pentagon Packing Lattice by C <sub>5</sub> -Symmetric "Sticky" Fluoropentamers. Angewandte Chemie - International Edition, 2011, 50, 10612-10615.	7.2	61
197	Plasma density induced formation of nanocrystals in physical vapor deposited carbon films. Carbon, 2011, 49, 1733-1744.	5.4	34
198	Vibrational excitations in molecular layers probed by ballistic electron microscopy. Nanotechnology, 2011, 22, 435701.	1.3	3

#	ARTICLE	IF	CITATIONS
199	Metal-insulator transition at a depleted LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface: Evidence for charge transfer induced by SrTiO <sub>3</sub> phase transitions. Applied Physics Letters, 2011, 99, .	1.5	11
200	Reversible metal-insulator transition in LaAlO <sub>3</sub> thin films mediated by intragap defects: An alternative mechanism for resistive switching. Physical Review B, 2011, 84, .	1.1	21
201	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.	0.8	27
202	Theory of high-energy optical conductivity and the role of oxygens in manganites. Physical Review B, 2011, 84, .	1.1	20
203	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.	0.3	28
204	Synthesis, Structural Investigations, Hydrogen-Deuterium Exchange Studies, and Molecular Modeling of Conformationally Stabilized Aromatic Oligoamides. Journal of the American Chemical Society, 2010, 132, 5869-5879.	6.6	79
205	Weyl Ordering Symbol Method for Studying Wigner Function of the Damping Field. International Journal of Theoretical Physics, 2010, 49, 2016-2027.	0.5	3
206	Probing the Kinetics of Short-Distance Drug Release from Nanocarriers to Nanoacceptors. Angewandte Chemie - International Edition, 2010, 49, 8426-8430.	7.2	39
207	Travel time estimating algorithms based on Fuzzy Radial Basis Function Neural Networks. , 2010, , .		0
208	Impact Ionization and Auger Recombination Rates in Semiconductor Quantum Dots. Journal of Physical Chemistry C, 2010, 114, 3743-3747.	1.5	29
209	Electronic, Magnetic, and Transport Properties of Fe-COT Clusters: A Theoretical Study. Journal of Physical Chemistry C, 2010, 114, 11946-11950.	1.5	24
210	Excitons of Edge and Surface Functionalized Graphene Nanoribbons. Journal of Physical Chemistry C, 2010, 114, 17257-17262.	1.5	38
211	Reply to "Comment on "Impact Ionization and Auger Recombination Rates in Semiconductor Quantum Dots". Journal of Physical Chemistry C, 2010, 114, 16860-16860.	1.5	0
212	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.	6.6	86
213	Nanodiamond clusters and their transformation into fullerene at high temperature: A tight-binding simulation. , 2010, , .		0
214	Magnetism in hybrid carbon nanostructures: Nanobuds. Physical Review B, 2009, 79, .	1.1	31
215	Efficient organometallic spin filter based on Europium-cyclooctatetraene wire. Journal of Chemical Physics, 2009, 131, .	1.2	43
216	Transport properties through diarylethene derivatives between carbon nanotube electrodes: A theoretical study. Chemical Physics Letters, 2009, 479, 120-124.	1.2	19

#	ARTICLE	IF	CITATIONS
217	Lateral size and thickness dependence in ferroelectric nanostructures formed by localized domain switching. <i>Acta Materialia</i> , 2009, 57, 2047-2054.	3.8	17
218	Helical Organization in Foldable Aromatic Oligoamides by a Continuous Hydrogen-Bonding Network. <i>Organic Letters</i> , 2009, 11, 1201-1204.	2.4	57
219	Density functional theory based screening of ternary alkali-transition metal borohydrides: A computational material design project. <i>Journal of Chemical Physics</i> , 2009, 131, 014101.	1.2	77
220	A novel approach for the design of a highly selective sulfate-ion-selective electrode. <i>Chemical Communications</i> , 2009, , 325-327.	2.2	15
221	Incommensurate phase of a triangular frustrated Heisenberg model studied via Schwinger-boson mean-field theory. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 326005.	0.7	4
222	Effects of Forward Body Bias on High-Frequency Noise in 0.18- $\mu\text{m}$ CMOS Transistors. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009, 57, 972-979.	2.9	7
223	Ballistic Electron Microscopy of Nanographene Layers. <i>Nano Letters</i> , 2008, 8, 4259-4264.	4.5	11
224	Strain effect on electronic structures of graphene nanoribbons: A first-principles study. <i>Journal of Chemical Physics</i> , 2008, 129, 074704.	1.2	182
225	Automated Derivation of Bathymetric Information from Multi-Spectral Satellite Imagery Using a Non-Linear Inversion Model. <i>Marine Geodesy</i> , 2008, 31, 281-298.	0.9	115
226	Crystallographic Evidence of an Unusual, Pentagon-Shaped Folding Pattern in a Circular Aromatic Pentamer. <i>Organic Letters</i> , 2008, 10, 5127-5130.	2.4	74
227	Average density of states in disordered graphene systems. <i>Physical Review B</i> , 2008, 77, .	1.1	54
228	POLARIZABILITY AND SHIELDING OF COAXIAL HYBRID DOUBLE-WALLED NANOTUBES: A FIRST-PRINCIPLES STUDY. <i>Journal of Theoretical and Computational Chemistry</i> , 2008, 07, 793-803.	1.8	1
229	ELECTRONIC AND STERIC MECHANISMS IN MONO- AND DOUBLE-FLUORINATION OF Cs-C60Cl6. <i>Modern Physics Letters B</i> , 2008, 22, 2727-2738.	1.0	3
230	A adaptive map matching algorithm based on Fuzzy-Neural-Network for vehicle navigation system. , 2008, , .		5
231	Publisher's Note: Average density of states in disordered graphene systems [ <i>Phys. Rev. B</i> 77, 195411 (2008)]. <i>Physical Review B</i> , 2008, 77, .	1.1	2
232	NOVEL NANO-DEVICE AND SYMMETRY ROLE IN CHEMICAL EVENT OF C60 AND CARBON NANOTUBE COMPOSITE. , 2008, , .		0
233	Switching mechanism of photochromic diarylethene derivatives molecular junctions. <i>Journal of Chemical Physics</i> , 2007, 127, 094705.	1.2	44
234	New biosensors made of specially designed transparent chips with nano-optical tags. <i>Smart Materials and Structures</i> , 2007, 16, 2214-2221.	1.8	4

#	ARTICLE	IF	CITATIONS
235	Manifestation of anisotropy in melting systematics of $\text{RBa}_2\text{Cu}_3\text{O}_{7-x}$ (R=lanthanides). Applied Physics Letters, 2007, 91, 172510.	1.5	15
236	Simulations on the effects of confinement and Ni-catalysis on the formation of tubular fullerene structures from peapod precursors. Physical Review B, 2007, 75, .	1.1	23
237	Anomalous polarization switching in organic ferroelectric field effect transistors. Applied Physics Letters, 2007, 91, 042909.	1.5	16
238	Kagome antiferromagnet: A Schwinger-boson mean-field theory study. Physical Review B, 2007, 76, .	1.1	7
239	Pair-Hopping Characteristic of Lithium Diffusive Motion in Li-Doped $\hat{\Gamma}^2$ -Phase Manganese Phthalocyanine. Journal of Physical Chemistry B, 2007, 111, 10064-10068.	1.2	3
240	Tuning the electronic structure of graphene nanoribbons through chemical edge modification: A theoretical study. Physical Review B, 2007, 75, .	1.1	156
241	Electronic structure of bilayer graphene: A real-space Green's function study. Physical Review B, 2007, 75, .	1.1	35
242	Dynamic friction force in a carbon peapod oscillator. Nanotechnology, 2006, 17, 5691-5695.	1.3	46
243	Electronic and magnetic properties of V-doped anatase $\text{TiO}_2$ from first principles. Physical Review B, 2006, 74, .	1.1	80
244	A Integrated Map Matching Algorithm Based on Fuzzy Theory for Vehicle Navigation System. , 2006, , .		6
245	Single quintuple bond [PhCrCrPh] molecule as a possible molecular switch. Journal of Chemical Physics, 2006, 125, 184713.	1.2	19
246	SOFT X-RAY ABSORPTION SPECTROSCOPY OF THE $\text{MgB}_2$ BORON K EDGE IN AN $\text{MgB}_2/\text{Mg}$ COMPOSITE. Modern Physics Letters B, 2006, 20, 1207-1216.	1.0	3
247	Phase Transformations in the High- $T_c$ Superconducting Compounds, $\text{Ba}_2\text{RCu}_3\text{O}_{7-\delta}$ (R = Nd, Sm, Gd, Y). $T_c$ vs $\delta$ for $\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ (R = Nd, Sm, Gd, Y) is shown in the figure. $T_c$ values are approximately 110 K for $\delta = 0.1$ and 80 K for $\delta = 0.4$ .	0.784314	148
248	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.	1.8	38
249	Electronic mechanism of critical temperature variation in $\text{RBa}_2\text{Cu}_3\text{O}_{7-x}$ . Physical Review B, 2005, 71, .	1.1	11
250	Valence-electron distribution in $\text{MgB}_2$ by accurate diffraction measurements and first-principles calculations. Physical Review B, 2004, 69, .	1.1	44
251	Strain effects on point defects and chain-oxygen order-disorder transition in 123 cuprate compounds. Physical Review B, 2004, 70, .	1.1	39
252	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, .	1.1	82

#	ARTICLE	IF	CITATIONS
253	Measuring the hole-state anisotropy in MgB <sub>2</sub> by electron energy-loss spectroscopy. Physical Review B, 2003, 67, .	1.1	22
254	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
255	A Maximum Power Point Tracking Algorithm Based on Fuzzy Neural Networks for Grid-Connected Photovoltaic System. Advanced Materials Research, 0, 291-294, 2771-2774.	0.3	0
256	Evaluation of Vehicle Combination Property Based on Evidential Reasoning Method. Advanced Materials Research, 0, 433-440, 5142-5146.	0.3	0