

Haibin Su

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

249
papers

8,494
citations

47
h-index

82
g-index

267
ext. papers

9,609
ext. citations

5.8
avg, IF

6.15
L-index

#	Paper	IF	Citations
249	A stable solution-processed polymer semiconductor with record high-mobility for printed transistors. <i>Scientific Reports</i> , 2012 , 2, 754	4.9	733
248	Phosphorene: from theory to applications. <i>Nature Reviews Materials</i> , 2016 , 1,	73.3	571
247	Tuning the crystal morphology and size of zeolitic imidazolate framework-8 in aqueous solution by surfactants. <i>CrystEngComm</i> , 2011 , 13, 6937	3.3	295
246	Pits confined in ultrathin cerium(IV) oxide for studying catalytic centers in carbon monoxide oxidation. <i>Nature Communications</i> , 2013 , 4, 2899	17.4	261
245	Catalysis mechanisms of CO ₂ and CO methanation. <i>Catalysis Science and Technology</i> , 2016 , 6, 4048-4058	5.5	218
244	CO ₂ Electroreduction Performance of Transition Metal Dimers Supported on Graphene: A Theoretical Study. <i>ACS Catalysis</i> , 2015 , 5, 6658-6664	13.1	162
243	Strain effect on electronic structures of graphene nanoribbons: A first-principles study. <i>Journal of Chemical Physics</i> , 2008 , 129, 074704	3.9	157
242	Tuning the electronic structure of graphene nanoribbons through chemical edge modification: A theoretical study. <i>Physical Review B</i> , 2007 , 75,	3.3	145
241	Single-crystalline, ultrathin ZnGa ₂ O ₄ nanosheet scaffolds to promote photocatalytic activity in CO ₂ reduction into methane. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 2356-61	9.5	131
240	Pseudo-topotactic conversion of carbon nanotubes to T-carbon nanowires under picosecond laser irradiation in methanol. <i>Nature Communications</i> , 2017 , 8, 683	17.4	130
239	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, 4954-64	16.4	113
238	Elucidating the role of disorder and free-carrier recombination kinetics in CH ₃ NH ₃ PbI ₃ perovskite films. <i>Nature Communications</i> , 2015 , 6, 7903	17.4	112
237	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, 5217-20	16.4	108
236	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, 4200-4	16.4	96
235	"Clean reaction" strategy to approach a stable, green heptatwistacene containing a single terminal pyrene unit. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 672-5	4.5	92
234	Half-metallicity in organic single porous sheets. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5718-21	16.4	87
233	Persistently folded circular aromatic amide pentamers containing modularly tunable cation-binding cavities with high ion selectivity. <i>Journal of the American Chemical Society</i> , 2010 , 132, 9564-6	16.4	84

232	Automated Derivation of Bathymetric Information from Multi-Spectral Satellite Imagery Using a Non-Linear Inversion Model. <i>Marine Geodesy</i> , 2008 , 31, 281-298	1.2	84
231	Curvature-Dependent Selectivity of CO ₂ Electrocatalytic Reduction on Cobalt Porphyrin Nanotubes. <i>ACS Catalysis</i> , 2016 , 6, 6294-6301	13.1	83
230	Computed and Experimental Absorption Spectra of the Perovskite CH ₃ NH ₃ PbI ₃ . <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 3061-5	6.4	80
229	Textured fluorapatite bonded to calcium sulphate strengthen stomatopod raptorial appendages. <i>Nature Communications</i> , 2014 , 5, 3187	17.4	78
228	Electronic and magnetic properties of V-doped anatase TiO ₂ from first principles. <i>Physical Review B</i> , 2006 , 74,	3.3	78
227	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	3.9	74
226	Synthesis, structural investigations, hydrogen-deuterium exchange studies, and molecular modeling of conformationally stabilized aromatic oligoamides. <i>Journal of the American Chemical Society</i> , 2010 , 132, 5869-79	16.4	74
225	Five-fold-symmetric macrocyclic aromatic pentamers: high-affinity cation recognition, ion-pair-induced columnar stacking, and nanofibrillation. <i>Journal of the American Chemical Society</i> , 2011 , 133, 13930-3	16.4	73
224	Density functional theory and molecular dynamics studies of the energetics and kinetics of electroactive polymers: PVDF and P(VDF-TrFE). <i>Physical Review B</i> , 2004 , 70,	3.3	71
223	Magnetic ions in wide band gap semiconductor nanocrystals for optimized thermoelectric properties. <i>Materials Horizons</i> , 2014 , 1, 81-86	14.4	70
222	Crystallographic evidence of an unusual, pentagon-shaped folding pattern in a circular aromatic pentamer. <i>Organic Letters</i> , 2008 , 10, 5127-30	6.2	70
221	Anisotropic Electronic Characteristics, Adsorption, and Stability of Low-Index BiVO Surfaces for Photoelectrochemical Applications. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 5475-5484	9.5	67
220	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, 6842-7	16.4	67
219	Arene CH-O hydrogen bonding: a stereocontrolling tool in palladium-catalyzed arylation and vinylation of ketones. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4906-11	16.4	66
218	Bonding pathways of gold nanocrystals in solution. <i>Nano Letters</i> , 2014 , 14, 6639-43	11.5	65
217	Theoretical Insight into the Mechanism of Photoelectrochemical Oxygen Evolution Reaction on BiVO ₄ Anode with Oxygen Vacancy. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 18702-18709	3.8	64
216	Room Temperature Synthesis of Stable, Printable Cs ₃ Cu ₂ X ₅ (X = I, Br/I, Br, Br/Cl, Cl) Colloidal Nanocrystals with Near-Unity Quantum Yield Green Emitters (X = Cl). <i>Chemistry of Materials</i> , 2020 , 32, 5515-5524	9.6	63
215	Optical fiber magnetic field sensor based on magnetic fluid and microfiber mode interferometer. <i>Optics Communications</i> , 2015 , 336, 5-8	2	61

214	A Pilot Study of Mesenchymal Stem Cell Therapy for Acute Liver Allograft Rejection. <i>Stem Cells Translational Medicine</i> , 2017 , 6, 2053-2061	6.9	59
213	Terahertz conductivity of twisted bilayer graphene. <i>Physical Review Letters</i> , 2013 , 110, 067401	7.4	57
212	Comparison of satellite reflectance algorithms for estimating chlorophyll-a in a temperate reservoir using coincident hyperspectral aircraft imagery and dense coincident surface observations. <i>Remote Sensing of Environment</i> , 2016 , 178, 15-30	13.2	56
211	Crystallographic realization of the mathematically predicted densest all-pentagon packing lattice by C5-symmetric "sticky" fluoropentamers. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10612-5 ^{16.4}	16.4	56
210	An enzyme mimic ammonium polymer as a single catalyst for glucose dehydration to 5-hydroxymethylfurfural. <i>Green Chemistry</i> , 2015 , 17, 2348-2352	10	55
209	Helical organization in foldable aromatic oligoamides by a continuous hydrogen-bonding network. <i>Organic Letters</i> , 2009 , 11, 1201-4	6.2	55
208	Scaling of excitons in graphene nanoribbons with armchair shaped edges. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 11998-2003	2.8	54
207	Graphene-based spin logic gates. <i>Applied Physics Letters</i> , 2011 , 98, 092110	3.4	53
206	Iron-phthalocyanine molecular junction with high spin filter efficiency and negative differential resistance. <i>Journal of Chemical Physics</i> , 2012 , 136, 064707	3.9	51
205	Encapsulation of conventional and unconventional water dimers by water-binding foldamers. <i>Organic Letters</i> , 2011 , 13, 3194-7	6.2	49
204	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</i> , 2014 , 126, 4284-4288	3.6	48
203	Merging of metal nanoparticles driven by selective wettability of silver nanostructures. <i>Nature Communications</i> , 2014 , 5, 2994	17.4	47
202	Excitonic Photoluminescence from Nanodisc States in Graphene Oxides. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 1754-9	6.4	47
201	Quantum confinement-induced tunable exciton states in graphene oxide. <i>Scientific Reports</i> , 2013 , 3, 2250	4.9	47
200	Chiral crystallization of aromatic helical foldamers via complementarities in shape and end functionalities. <i>Chemical Science</i> , 2012 , 3, 2042	9.4	45
199	Intensity-modulated magnetic field sensor based on magnetic fluid and optical fiber gratings. <i>Applied Physics Letters</i> , 2013 , 103, 183511	3.4	44
198	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	8.1	43
197	Transport properties of HfO ₂ based resistive-switching memories. <i>Physical Review B</i> , 2012 , 85,	3.3	43

196	Observation of room-temperature high-energy resonant excitonic effects in graphene. <i>Physical Review B</i> , 2011 , 84,	3.3	43
195	Average density of states in disordered graphene systems. <i>Physical Review B</i> , 2008 , 77,	3.3	43
194	Dynamic friction force in a carbon peapod oscillator. <i>Nanotechnology</i> , 2006 , 17, 5691-5695	3.4	43
193	Highly selective one-pot synthesis of H-bonded pentagon-shaped circular aromatic pentamers. <i>Chemical Communications</i> , 2011 , 47, 5419-21	5.8	42
192	Switching mechanism of photochromic diarylethene derivatives molecular junctions. <i>Journal of Chemical Physics</i> , 2007 , 127, 094705	3.9	41
191	Efficient organometallic spin filter based on Europium-cyclooctatetraene wire. <i>Journal of Chemical Physics</i> , 2009 , 131, 104704	3.9	40
190	A highly active Pd-P nanoparticle electrocatalyst for enhanced formic acid oxidation synthesized via stepwise electroless deposition. <i>Chemical Communications</i> , 2016 , 52, 3556-9	5.8	39
189	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	4.9	38
188	Valence-electron distribution in MgB ₂ by accurate diffraction measurements and first-principles calculations. <i>Physical Review B</i> , 2004 , 69,	3.3	38
187	Low-Cost Phase-Selective Organogelators for Rapid Gelation of Crude Oils at Room Temperature. <i>Langmuir</i> , 2016 , 32, 13510-13516	4	37
186	Chain growth mechanism on bimetallic surfaces for higher alcohol synthesis from syngas. <i>Catalysis Communications</i> , 2015 , 61, 57-61	3.2	36
185	Self-sorting heterodimeric coiled coil peptides with defined and tuneable self-assembly properties. <i>Scientific Reports</i> , 2015 , 5, 14063	4.9	35
184	Probing the kinetics of short-distance drug release from nanocarriers to nanoacceptors. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8426-30	16.4	35
183	Strain effects on point defects and chain-oxygen order-disorder transition in 123 cuprate compounds. <i>Physical Review B</i> , 2004 , 70,	3.3	35
182	The effects of space charge, dopants, and strain fields on surfaces and grain boundaries in YBCO compounds. <i>Superconductor Science and Technology</i> , 2005 , 18, 24-34	3.1	34
181	A Facile Strategy To Prepare Smart Coatings with Autonomous Self-Healing and Self-Reporting Functions. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4870-4877	9.5	34
180	Structural, nanomechanical, and computational characterization of D,L-cyclic peptide assemblies. <i>ACS Nano</i> , 2015 , 9, 3360-8	16.7	33
179	Deriving Bathymetry From Optical Images With a Localized Neural Network Algorithm. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 5334-5342	8.1	33

178	Excitons of Edge and Surface Functionalized Graphene Nanoribbons. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 17257-17262	3.8	33
177	Electronic structure of bilayer graphene: A real-space Green's function study. <i>Physical Review B</i> , 2007 , 75,	3.3	32
176	Bathymetry retrieval from optical images with spatially distributed support vector machines. <i>GIScience and Remote Sensing</i> , 2019 , 56, 323-337	4.8	32
175	Magnetism in graphene oxide induced by epoxy groups. <i>Applied Physics Letters</i> , 2015 , 106, 172402	3.4	31
174	Nanodroplet-Mediated Assembly of Platinum Nanoparticle Rings in Solution. <i>Nano Letters</i> , 2016 , 16, 1092-6	11.5	31
173	The structural and bonding evolution in cysteine-gold cluster complexes. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 1690-8	3.6	31
172	Prediction of Water Depth From Multispectral Satellite Imagery: The Regression Kriging Alternative. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015 , 12, 2511-2515	4.1	31
171	Water permeation dynamics of AqpZ: a tale of two states. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011 , 1808, 1581-6	3.8	31
170	Synthesis, structural investigation and computational modelling of water-binding aquafoldamers. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 1172-80	3.9	30
169	Plasma density induced formation of nanocrystals in physical vapor deposited carbon films. <i>Carbon</i> , 2011 , 49, 1733-1744	10.4	30
168	Enhanced CO ₂ electroreduction on armchair graphene nanoribbons edge-decorated with copper. <i>Nano Research</i> , 2017 , 10, 1641-1650	10	28
167	Magnetism in hybrid carbon nanostructures: Nanobuds. <i>Physical Review B</i> , 2009 , 79,	3.3	28
166	Exciton characteristics in graphene epoxide. <i>ACS Nano</i> , 2014 , 8, 1284-9	16.7	27
165	Impact Ionization and Auger Recombination Rates in Semiconductor Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 3743-3747	3.8	27
164	Effects of cholesterol on pore formation in lipid bilayers induced by human islet amyloid polypeptide fragments: a coarse-grained molecular dynamics study. <i>Physical Review E</i> , 2011 , 84, 051922	2.4	27
163	Nonlinear electronic polarization and optical response in borophosphate BPO ₄ . <i>Physical Review B</i> , 2016 , 93,	3.3	26
162	Synthesis and characterization of a series of annelated benzotriazole based polymers with variable bandgap. <i>Journal of Organic Chemistry</i> , 2012 , 77, 10035-41	4.2	26
161	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		26

160	In vivo studies on non-viral transdifferentiation of liver cells towards pancreatic β cells. <i>Journal of Endocrinology</i> , 2012 , 214, 277-88	4.7	25
159	Alcohol dehydrogenase-specific T-cell responses are associated with alcohol consumption in patients with alcohol-related cirrhosis. <i>Hepatology</i> , 2013 , 58, 314-24	11.2	24
158	Quantum tunneling of magnetization in ultrasmall half-metallic V3O4 quantum dots: displaying quantum superparamagnetic state. <i>Scientific Reports</i> , 2012 , 2, 755	4.9	24
157	NHC-Ag/Pd-Catalyzed Reductive Carboxylation of Terminal Alkynes with CO and H ₂ : A Combined Experimental and Computational Study for Fine-Tuned Selectivity. <i>ChemSusChem</i> , 2017 , 10, 836-841	8.3	23
156	Erbium-doped fiber laser with distributed Rayleigh output mirror. <i>Laser Physics</i> , 2014 , 24, 115101	1.2	23
155	Second-harmonic generation in noncentrosymmetric phosphates. <i>Physical Review B</i> , 2017 , 96,	3.3	23
154	Simulations on the effects of confinement and Ni-catalysis on the formation of tubular fullerene structures from peapod precursors. <i>Physical Review B</i> , 2007 , 75,	3.3	23
153	Human CD4+CD25(high)CD127 (low/neg) regulatory T cells. <i>Methods in Molecular Biology</i> , 2012 , 806, 287-99	1.4	23
152	Ultrafast Killing and Self-Gelling Antimicrobial Imidazolium Oligomers. <i>Small</i> , 2016 , 12, 1928-34	11	23
151	Molecular Insights into Small-Molecule Drug Discovery for SARS-CoV-2. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 9789-9802	16.4	23
150	The acceleration of methanol synthesis and C2 oxygenates formation on copper grain boundary from syngas. <i>Applied Catalysis A: General</i> , 2016 , 509, 97-104	5.1	22
149	A theoretical study of spin-polarized transport properties of planar four-coordinate Fe complexes. <i>Chemical Physics Letters</i> , 2012 , 539-540, 102-106	2.5	22
148	Algorithmic Foundation and Software Tools for Extracting Shoreline Features from Remote Sensing Imagery and LiDAR Data. <i>Journal of Geographic Information System</i> , 2011 , 03, 99-119	0.4	22
147	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, 831-6	2.9	21
146	Electronic, Magnetic, and Transport Properties of Fe-COT Clusters: A Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 11946-11950	3.8	21
145	Nanoparticulate Contrast Agents for Multimodality Molecular Imaging. <i>Journal of Biomedical Nanotechnology</i> , 2016 , 12, 1553-84	4	20
144	T1846 and A/G1913 are associated with acute on chronic liver failure in patients infected with hepatitis B virus genotypes B and C. <i>Journal of Medical Virology</i> , 2011 , 83, 996-1004	19.7	20
143	Tailoring the vapor-liquid-solid growth toward the self-assembly of GaAs nanowire junctions. <i>Nano Letters</i> , 2011 , 11, 4947-52	11.5	20

142	Measuring the hole-state anisotropy in MgB ₂ by electron energy-loss spectroscopy. <i>Physical Review B</i> , 2003 , 67,	3.3	20
141	Correlation of EBIC and SWBXT Imaged Defects and Epilayer Growth Pits in 6H-SiC Schottky Diodes. <i>Materials Science Forum</i> , 2000 , 338-342, 489-492	0.4	20
140	Random Laser With Multiphase-Shifted Bragg Grating in Er/Yb-Codoped Fiber. <i>Journal of Lightwave Technology</i> , 2015 , 33, 95-99	4	19
139	Vibrational spectrum renormalization by enforced coupling across the van der Waals gap between MoS ₂ and WS ₂ monolayers. <i>Physical Review B</i> , 2015 , 92,	3.3	19
138	Molecular dynamics simulation study on the molecular structures of the amylin fibril models. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 13991-9	3.4	19
137	Reversible metal-insulator transition in LaAlO ₃ thin films mediated by intragap defects: An alternative mechanism for resistive switching. <i>Physical Review B</i> , 2011 , 84,	3.3	19
136	Enhancing magnetic vacancies in semiconductors by strain. <i>Applied Physics Letters</i> , 2012 , 100, 072401	3.4	19
135	Single quintuple bond [PhCrCrPh] molecule as a possible molecular switch. <i>Journal of Chemical Physics</i> , 2006 , 125, 184713	3.9	19
134	Modular peptides from the thermoplastic squid sucker ring teeth form amyloid-like cross- β supramolecular networks. <i>Acta Biomaterialia</i> , 2016 , 46, 41-54	10.8	19
133	Ab initio investigation of Jahn-Teller-distortion-tuned Li-ion migration in δ MnO ₂ . <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9618-9626	13	18
132	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, 457-62	2.8	18
131	Comparative studies on the electrochemical and optical properties of representative benzo[1,2-c;4,5-c']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	7.1	18
130	Transport properties through diarylethene derivatives between carbon nanotube electrodes: A theoretical study. <i>Chemical Physics Letters</i> , 2009 , 479, 120-124	2.5	18
129	Second harmonic generation in the Weyl semimetal TaAs from a quantum kinetic equation. <i>Physical Review B</i> , 2018 , 97,	3.3	17
128	Power-referenced refractometer with tilted fiber Bragg grating cascaded by chirped grating. <i>Optics Communications</i> , 2014 , 312, 106-109	2	17
127	Magnetic field sensor based on magnetic-fluid-coated long-period fiber grating. <i>Journal of Optics (United Kingdom)</i> , 2015 , 17, 065402	1.7	17
126	Theory of high-energy optical conductivity and the role of oxygens in manganites. <i>Physical Review B</i> , 2011 , 84,	3.3	17
125	Role of Water in Catalyzing Proton Transfer in Glucose Dehydration to 5-Hydroxymethylfurfural. <i>ChemCatChem</i> , 2017 , 9, 2784-2789	5.2	16

124	CTAB-Influenced Electrochemical Dissolution of Silver Dendrites. <i>Langmuir</i> , 2016 , 32, 3601-7	4	16
123	Chirally selective growth and extraction of single-wall carbon nanotubes via fullerene nano-peapods. <i>RSC Advances</i> , 2013 , 3, 16954	3.7	16
122	Unzipping carbon nanotubes into nanoribbons upon oxidation: a first-principles study. <i>Nanoscale</i> , 2012 , 4, 1254-7	7.7	16
121	Miniature temperature sensor with germania-core optical fiber. <i>Optics Express</i> , 2015 , 23, 17687-92	3.3	15
120	Squid Suckerin Biomimetic Peptides Form Amyloid-like Crystals with Robust Mechanical Properties. <i>Biomacromolecules</i> , 2017 , 18, 4240-4248	6.9	15
119	Cuprate-like electronic properties in superlattices with Ag(II)F ₂ sheet. <i>Scientific Reports</i> , 2014 , 4, 5420	4.9	15
118	A novel approach for the design of a highly selective sulfate-ion-selective electrode. <i>Chemical Communications</i> , 2009 , 325-7	5.8	15
117	Manifestation of anisotropy in melting systematics of RBa ₂ Cu ₃ O ₇ (R=lanthanides). <i>Applied Physics Letters</i> , 2007 , 91, 172510	3.4	15
116	Anomalous polarization switching in organic ferroelectric field effect transistors. <i>Applied Physics Letters</i> , 2007 , 91, 042909	3.4	15
115	Color tunable hybrid AC powder electroluminescent devices with organic fluorescent materials. <i>Optical Materials Express</i> , 2016 , 6, 2879	2.6	15
114	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	5.3	15
113	The selectivity and activity of catalyst for CO hydrogenation to methanol and hydrocarbon: A comparative study on Cu, Co and Ni surfaces. <i>Surface Science</i> , 2016 , 645, 30-40	1.8	14
112	Theoretical analysis of structures and electronic spectra in molecular cadmium chalcogenide clusters. <i>Journal of Chemical Physics</i> , 2015 , 142, 234305	3.9	14
111	Excitonic Character in Optical Properties of Tetrahedral CdX (X = S, Se, Te) Clusters. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 29171-29177	3.8	14
110	Clinical-pathological analysis of hepatitis B virus recurrence after liver transplantation in Chinese patients. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2014 , 29, 554-60	4	14
109	Scaling of flat band potential and dielectric constant as a function of Ta concentration in Ta-TiO ₂ epitaxial films. <i>AIP Advances</i> , 2011 , 1, 022151	1.5	14
108	Lateral size and thickness dependence in ferroelectric nanostructures formed by localized domain switching. <i>Acta Materialia</i> , 2009 , 57, 2047-2054	8.4	14
107	Electronic properties of the coronene series from thermally-assisted-occupation density functional theory.. <i>RSC Advances</i> , 2018 , 8, 34350-34358	3.7	14

- 106 Chiral Pentagon Only Diamond-like Structures. *Journal of Physical Chemistry C*, **2017**, 121, 13810-13815 3.8 13
- 105 Universal Transient Dynamics of Electrowetting Droplets. *Scientific Reports*, **2018**, 8, 836 4.9 13
- 104 Acid Dissociation of 3-Mercaptopropionic Acid Coated CdSe/CdS/Cd_{0.5}Zn_{0.5}S/ZnS Core-Multishell Quantum Dot and Strong Ionic Interaction with Ca²⁺ Ion. *Journal of Physical Chemistry C*, **2016**, 120, 3519-3529 3.8 13
- 103 The transport properties of oxygen vacancy-related polaron-like bound state in HfO_x. *Scientific Reports*, **2013**, 3, 3246 4.9 13
- 102 Theoretical study on the effective methanol decomposition on Pd(111) surface facilitated in alkaline medium. *Journal of Electroanalytical Chemistry*, **2011**, 662, 251-256 4.1 13
- 101 Non-catalytic facile synthesis of superhard phase of boron carbide (B₁₃C₂) nanoflakes and nanoparticles. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 596-603 1.3 13
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- 99 Electronic structure of the antiferromagnetic topological insulator candidate GdBiPt. *Physical Review B*, **2015**, 91, 3.3 12
- 98 Electronic Properties of Fluoride and Half-fluoride Superlattices KZnF₃/KAgF₃ and SrTiO₃/KAgF₃. *Scientific Reports*, **2015**, 5, 15849 4.9 12
- 97 First principles (DFT) characterization of Rh(I) /dppp-catalyzed C-H activation by tandem 1,2-addition/1,4-Rh shift reactions of norbornene to phenylboronic acid. *Chemistry - A European Journal*, **2014**, 20, 15625-34 4.8 12
- 96 Ultrafast carrier phonon dynamics in NaOH-reacted graphite oxide film. *Applied Physics Letters*, **2012**, 101, 021604 3.4 12
- 95 Observation of Frenkel and charge transfer excitons in pentacene single crystals using spectroscopic generalized ellipsometry. *Applied Physics Letters*, **2013**, 103, 113303 3.4 12
- 94 Crystallographic Realization of the Mathematically Predicted Densest All-Pentagon Packing Lattice by C₅-Symmetric Sticky Fluoropentamers. *Angewandte Chemie*, **2011**, 123, 10800-10803 3.6 12
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