

List of Publications by Citations

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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.

247 papers	13,005 citations	54 h-index	109 g-index
262 ext. papers	15,516 ext. citations	8.1 avg, IF	6.62 L-index

#	Paper	IF	Citations
247	High-mobility transport anisotropy and linear dichroism in few-layer black phosphorus. <i>Nature Communications</i> , <b>2014</b> , 5, 4475	17.4	2892
246	Exploring atomic defects in molybdenum disulphide monolayers. <i>Nature Communications</i> , <b>2015</b> , 6, 6293	17.4	851
245	High-Electron-Mobility and Air-Stable 2D Layered PtSe FETs. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604230	24	368
244	Interaction of Black Phosphorus with Oxygen and Water. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 8330-8339	9.6	345
243	Extraordinarily Strong Interlayer Interaction in 2D Layered PtS <sub>2</sub> . <i>Advanced Materials</i> , <b>2016</b> , 28, 2399-407	24	322
242	Real-space identification of intermolecular bonding with atomic force microscopy. <i>Science</i> , <b>2013</b> , 342, 611-4	33.3	300
241	First-principles calculations of the electronic structure of tetragonal alpha-FeTe and alpha-FeSe crystals: evidence for a bicollinear antiferromagnetic order. <i>Physical Review Letters</i> , <b>2009</b> , 102, 177003	7.4	242
240	Site-specific kondo effect at ambient temperatures in iron-based molecules. <i>Physical Review Letters</i> , <b>2007</b> , 99, 106402	7.4	227
239	Optical Anisotropy of Black Phosphorus in the Visible Regime. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 300-5	16.4	217
238	Raman Investigation of Nanosized TiO <sub>2</sub> : Effect of Crystallite Size and Quantum Confinement. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 8792-8797	3.8	216
237	Alloying behavior and novel properties of CoCrFeNiMn high-entropy alloy fabricated by mechanical alloying and spark plasma sintering. <i>Intermetallics</i> , <b>2015</b> , 56, 24-27	3.5	202
236	Probing Carrier Transport and Structure-Property Relationship of Highly Ordered Organic Semiconductors at the Two-Dimensional Limit. <i>Physical Review Letters</i> , <b>2016</b> , 116, 016602	7.4	180
235	Semiconductor-enhanced Raman scattering: active nanomaterials and applications. <i>Nanoscale</i> , <b>2017</b> , 9, 4847-4861	7.7	178
234	Stacking tunable interlayer magnetism in bilayer CrI <sub>3</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	178
233	Universal mechanical exfoliation of large-area 2D crystals. <i>Nature Communications</i> , <b>2020</b> , 11, 2453	17.4	169
232	Few-layer Tellurium: one-dimensional-like layered elementary semiconductor with striking physical properties. <i>Science Bulletin</i> , <b>2018</b> , 63, 159-168	10.6	138
231	Graphene spintronics: the role of ferromagnetic electrodes. <i>Nano Letters</i> , <b>2011</b> , 11, 151-5	11.5	120

230	Defect Structure of Localized Excitons in a WSe <sub>2</sub> Monolayer. <i>Physical Review Letters</i> , <b>2017</b> , 119, 046104	14	119
229	Ultrahigh mobility and efficient charge injection in monolayer organic thin-film transistors on boron nitride. <i>Science Advances</i> , <b>2017</b> , 3, e1701186	14.3	115
228	Interlayer electronic hybridization leads to exceptional thickness-dependent vibrational properties in few-layer black phosphorus. <i>Nanoscale</i> , <b>2016</b> , 8, 2740-50	7.7	111
227	Electrical contacts to monolayer black phosphorus: A first-principles investigation. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	107
226	Interface Coupling in Twisted Multilayer Graphene by Resonant Raman Spectroscopy of Layer Breathing Modes. <i>ACS Nano</i> , <b>2015</b> , 9, 7440-9	16.7	105
225	Sensing of polycyclic aromatic hydrocarbons with cyclodextrin inclusion complexes on silver nanoparticles by surface-enhanced Raman scattering. <i>Analyst, The</i> , <b>2010</b> , 135, 1389-94	5	105
224	Polytypism and unexpected strong interlayer coupling in two-dimensional layered ReS <sub>2</sub> . <i>Nanoscale</i> , <b>2016</b> , 8, 8324-32	7.7	99
223	Semiconductor materials in analytical applications of surface-enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , <b>2016</b> , 47, 51-58	2.3	97
222	Strain induced dewetting of a molecular system: bimodal growth of PTCDA on NaCl. <i>Physical Review Letters</i> , <b>2008</b> , 100, 186104	7.4	89
221	Moiré Phonons in Twisted Bilayer MoS <sub>2</sub> . <i>ACS Nano</i> , <b>2018</b> , 12, 8770-8780	16.7	85
220	Atomic-Scale Origin of Long-Term Stability and High Performance of p-GaN Nanowire Arrays for Photocatalytic Overall Pure Water Splitting. <i>Advanced Materials</i> , <b>2016</b> , 28, 8388-8397	24	83
219	Charge-Transfer Effect on Surface-Enhanced Raman Scattering (SERS) in an Ordered Ag NPs/4-Mercaptobenzoic Acid/TiO <sub>2</sub> System. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 22439-22444	3.8	82
218	Giant Anisotropic Raman Response of Encapsulated Ultrathin Black Phosphorus by Uniaxial Strain. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1600986	15.6	81
217	Fiber-optic surface plasmon resonance glucose sensor enhanced with phenylboronic acid modified Au nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 117, 637-643	11.8	79
216	Fabrication of Ag-CuO/Reduced Graphene Oxide Nanocomposites as Surface-Enhanced Raman Scattering Substrates for in Situ Monitoring of Peroxidase-Like Catalytic Reaction and Biosensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 19074-19081	9.5	78
215	Enhanced Raman Scattering by ZnO Superstructures: Synergistic Effect of Charge Transfer and Mie Resonances. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 14452-14456	16.4	78
214	Structural evolution of pentacene on a Ag(110) surface. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	75
213	Semiconductor-driven "turn-off" surface-enhanced Raman scattering spectroscopy: application in selective determination of chromium(vi) in water. <i>Chemical Science</i> , <b>2015</b> , 6, 342-348	9.4	73

212	Stable, reproducible nanorecording on rotaxane thin films. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 15338-9	16.4	72
211	Exploring the Effect of Intermolecular H-Bonding: A Study on Charge-Transfer Contribution to Surface-Enhanced Raman Scattering of p-Mercaptobenzoic Acid. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 10191-10197	3.8	71
210	Reversible, erasable, and rewritable nanorecording on an H2 rotaxane thin film. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 2204-5	16.4	70
209	Enantioselective discrimination of alcohols by hydrogen bonding: a SERS study. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 13866-70	16.4	69
208	Recent Progress on Two-Dimensional Materials. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , <b>2021</b> , 2108017-0	3.8	69
207	Two-dimensional ferroelectricity and switchable spin-textures in ultra-thin elemental Te multilayers. <i>Materials Horizons</i> , <b>2018</b> , 5, 521-528	14.4	68
206	Van der Waals epitaxial growth of air-stable CrSe nanosheets with thickness-tunable magnetic order. <i>Nature Materials</i> , <b>2021</b> , 20, 818-825	27	68
205	Meta-q-plate for complex beam shaping. <i>Scientific Reports</i> , <b>2016</b> , 6, 25528	4.9	67
204	Scanned chemical enhancement of surface-enhanced Raman scattering using a charge-transfer complex. <i>Chemical Communications</i> , <b>2011</b> , 47, 2426-8	5.8	65
203	Strain-Tuning Atomic Substitution in Two-Dimensional Atomic Crystals. <i>ACS Nano</i> , <b>2018</b> , 12, 4853-4860	16.7	64
202	Triplet Excited State of BODIPY Accessed by Charge Recombination and Its Application in Triplet-Triplet Annihilation Upconversion. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 7550-7564	2.8	63
201	Selective nontemplated adsorption of organic molecules on nanofacets and the role of bonding patterns. <i>Physical Review Letters</i> , <b>2006</b> , 97, 156105	7.4	62
200	Mercaptopyridine-Functionalized Gold Nanoparticles for Fiber-Optic Surface Plasmon Resonance Hg Sensing. <i>ACS Sensors</i> , <b>2019</b> , 4, 704-710	9.2	61
199	A dual colorimetric and SERS detection of Hg <sup>2+</sup> based on the stimulus of intrinsic oxidase-like catalytic activity of Ag-CoFe <sub>2</sub> O <sub>4</sub> /reduced graphene oxide nanocomposites. <i>Chemical Engineering Journal</i> , <b>2018</b> , 350, 120-130	14.7	61
198	Metal-Semiconductor Contacts Induce the Charge-Transfer Mechanism of Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 18378-18383	3.8	59
197	pH-Response Mechanism of p-Aminobenzenethiol on Ag Nanoparticles Revealed By Two-Dimensional Correlation Surface-Enhanced Raman Scattering Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 3204-9	6.4	58
196	Phase-controllable growth of ultrathin 2D magnetic FeTe crystals. <i>Nature Communications</i> , <b>2020</b> , 11, 3729	17.4	57
195	Direct Vapor Growth of 2D Vertical Heterostructures with Tunable Band Alignments and Interfacial Charge Transfer Behaviors. <i>Advanced Science</i> , <b>2019</b> , 6, 1802204	13.6	57

194	Role of the dispersion force in modeling the interfacial properties of molecule-metal interfaces: adsorption of thiophene on copper surfaces. <i>Scientific Reports</i> , <b>2014</b> , 4, 5036	4.9	54
193	Energetic Molecules Encapsulated Inside Carbon Nanotubes and between Graphene Layers: DFT Calculations. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 10985-10989	3.8	54
192	Layer and doping tunable ferromagnetic order in two-dimensional CrS <sub>2</sub> layers. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	53
191	Preparation of Nanoscale Ag Semishell Array with Tunable Interparticle Distance and Its Application in Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 2886-2890	3.8	53
190	Site-specific deposition of Ag nanoparticles on ZnO nanorod arrays via galvanic reduction and their SERS applications. <i>Journal of Raman Spectroscopy</i> , <b>2010</b> , 41, 907-913	2.3	53
189	Quantitative assessment of intermolecular interactions by atomic force microscopy imaging using copper oxide tips. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 371-375	28.7	51
188	A family of high-temperature ferromagnetic monolayers with locked spin-dichroism-mobility anisotropy: MnNX and CrCX (X = Cl, Br, I; C = S, Se, Te). <i>Science Bulletin</i> , <b>2019</b> , 64, 293-300	10.6	50
187	Role of lateral alkyl chains in modulation of molecular structures on metal surfaces. <i>Physical Review Letters</i> , <b>2006</b> , 96, 226101	7.4	50
186	Semiconductor-enhanced Raman scattering for highly robust SERS sensing: the case of phosphate analysis. <i>Chemical Communications</i> , <b>2015</b> , 51, 7641-4	5.8	48
185	Rationally Designed Dynamic Superstructures Enabled by Photoaligning Cholesteric Liquid Crystals. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 1691-1696	8.1	46
184	Epitaxial Synthesis of Monolayer PtSe Single Crystal on MoSe with Strong Interlayer Coupling. <i>ACS Nano</i> , <b>2019</b> , 13, 10929-10938	16.7	45
183	Boronic Acid Functionalized Au Nanoparticles for Selective MicroRNA Signal Amplification in Fiber-Optic Surface Plasmon Resonance Sensing System. <i>ACS Sensors</i> , <b>2018</b> , 3, 929-935	9.2	43
182	Contribution of hydrogen bonding to charge-transfer induced surface-enhanced Raman scattering of an intermolecular system comprising p-aminothiophenol and benzoic acid. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 3153-61	3.6	43
181	Fabrication of a highly sensitive surface-enhanced Raman scattering substrate for monitoring the catalytic degradation of organic pollutants. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 13556-13562	13	43
180	Polarization-controllable Airy beams generated via a photoaligned director-variant liquid crystal mask. <i>Scientific Reports</i> , <b>2015</b> , 5, 17484	4.9	42
179	Photochemical Carbon Dioxide Reduction on Mg-Doped Ga(In)N Nanowire Arrays under Visible Light Irradiation. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 246-252	20.1	41
178	Selective analysis of molecular states by functionalized scanning tunneling microscopy tips. <i>Physical Review Letters</i> , <b>2006</b> , 96, 156102	7.4	41
177	Steering Surface Reaction Dynamics with a Self-Assembly Strategy: Ullmann Coupling on Metal Surfaces. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 12852-12856	16.4	40

176	Band gap of In <sub>x</sub> Ga <sub>1-x</sub> N: A first principles analysis. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 202107	3.4	40
175	Synthesis of bifunctional reduced graphene oxide/CuS/Au composite nanosheets for in situ monitoring of a peroxidase-like catalytic reaction by surface-enhanced Raman spectroscopy. <i>RSC Advances</i> , <b>2016</b> , 6, 54456-54462	3.7	39
174	Molecular beam epitaxial growth and characterization of Al(Ga)N nanowire deep ultraviolet light emitting diodes and lasers. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 364006	3	38
173	Surface-mediated chain reaction through dissociative attachment. <i>Nature Chemistry</i> , <b>2011</b> , 3, 85-9	17.6	38
172	Electron core-hole interaction and its induced ionic structural relaxation in molecular systems under x-ray irradiation. <i>Physical Review Letters</i> , <b>2006</b> , 97, 246101	7.4	38
171	Strain-Sensitive Magnetization Reversal of a van der Waals Magnet. <i>Advanced Materials</i> , <b>2020</b> , 32, e2004543	5.3	38
170	Interfacial Charge-Transfer Effects in Semiconductor/Molecule/Metal Structures: Influence of Contact Variation. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 14701-14710	3.8	37
169	Microstructure and mechanical properties of B <sub>4</sub> C based ceramics with Fe <sub>3</sub> Al as sintering aid by spark plasma sintering. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 2169-2175	6	36
168	Inversion Domain Boundary Induced Stacking and Bandstructure Diversity in Bilayer MoSe. <i>Nano Letters</i> , <b>2017</b> , 17, 6653-6660	11.5	34
167	Microstructure and mechanical properties of B <sub>4</sub> C densified by spark plasma sintering with Si as a sintering aid. <i>Ceramics International</i> , <b>2015</b> , 41, 1903-1906	5.1	33
166	Epitaxial Growth of Large-Scale Orthorhombic CsPbBr <sub>3</sub> Perovskite Thin Films with Anisotropic Photoresponse Property. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1904913	15.6	33
165	Surface-enhanced Raman scattering of molecules adsorbed on Co-doped ZnO nanoparticles. <i>Journal of Raman Spectroscopy</i> , <b>2012</b> , 43, 61-64	2.3	33
164	Multiphonon Resonant Raman Scattering and Photoinduced Charge-Transfer Effects at ZnO/Molecule Interfaces. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 26908-26918	3.8	33
163	Microstructure and properties of insitu titanium boride (TiB)/titanium (Ti) composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 648, 158-163	5.3	32
162	Label-free indirect immunoassay using an avidin-induced surface-enhanced Raman scattering substrate. <i>Small</i> , <b>2011</b> , 7, 316-20	11	32
161	First principles study of electronic transport through a Cu(111)/graphene junction. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 142105	3.4	32
160	3D SERS Imaging Using Chemically Synthesized Highly Symmetric Nanoporous Silver Microparticles. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 8391-5	16.4	32
159	UV-SWIR broad range photodetectors made from few-layer HnSe nanosheets. <i>Nanoscale</i> , <b>2019</b> , 11, 12817-12828	7.7	30

158	Effects of Mn doping on surface enhanced Raman scattering properties of TiO <sub>2</sub> nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2012</b> , 95, 213-7	4.4	30
157	Generation of Pronounced Resonance Profile of Charge-Transfer Contributions to Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 2515-2520	3.8	29
156	Understanding and controlling the weakly interacting interface in perylene-Ag(110). <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	29
155	Engineering Point-Defect States in Monolayer WSe. <i>ACS Nano</i> , <b>2019</b> , 13, 1595-1602	16.7	28
154	Thermal stability and formation barrier of a high-energetic material N8 polymer nitrogen encapsulated in (5,5) carbon nanotube. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 021904	3.4	28
153	Direct Imaging of Kinetic Pathways of Atomic Diffusion in Monolayer Molybdenum Disulfide. <i>Nano Letters</i> , <b>2017</b> , 17, 3383-3390	11.5	27
152	pH-Dependent SERS by Semiconductor-Controlled Charge-Transfer Contribution. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 24829-24836	3.8	27
151	Facile synthesis of silver nanoparticles/carbon dots for a charge transfer study and peroxidase-like catalytic monitoring by surface-enhanced Raman scattering. <i>Applied Surface Science</i> , <b>2017</b> , 410, 42-50	6.7	26
150	Domain wall pinning and hard magnetic phase in Co-doped bulk single crystalline Fe <sub>3</sub> GeTe <sub>2</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	26
149	Localized spin-orbit polaron in magnetic Weyl semimetal CoSnS. <i>Nature Communications</i> , <b>2020</b> , 11, 5613	17.4	26
148	Polymeric nitrogen in a graphene matrix: An ab initio study. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	26
147	Discovering the forbidden Raman modes at the edges of layered materials. <i>Science Advances</i> , <b>2018</b> , 4, eaau6252	14.3	26
146	Single-layer CrI <sub>3</sub> grown by molecular beam epitaxy. <i>Science Bulletin</i> , <b>2020</b> , 65, 1064-1071	10.6	25
145	A Gd@C single-molecule electret. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 1019-1024	28.7	25
144	Charge-Transfer-Induced Enantiomer Selective Discrimination of Chiral Alcohols by SERS. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 29374-29381	3.8	24
143	Probing and Manipulating Carrier Interlayer Diffusion in van der Waals Multilayer by Constructing Type-I Heterostructure. <i>Nano Letters</i> , <b>2019</b> , 19, 7217-7225	11.5	23
142	In situ synthesis and sintering of B <sub>4</sub> C/ZrB <sub>2</sub> composites from B <sub>4</sub> C and ZrH <sub>2</sub> mixtures by spark plasma sintering. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 1139-1145	6	23
141	Molecular dynamics of localized reaction, experiment and theory: methyl bromide on Si(111)-7x7. <i>ACS Nano</i> , <b>2008</b> , 2, 699-706	16.7	23



140	Au nanoparticles as label-free competitive reporters for sensitivity enhanced fiber-optic SPR heparin sensor. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 154, 112039	11.8	22
139	Multichannel interaction mechanism in a molecule-metal interface. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	22
138	Two-dimensional tessellation by molecular tiles constructed from halogen-halogen and halogen-metal networks. <i>Nature Communications</i> , <b>2018</b> , 9, 4871	17.4	22
137	Design of an anti-aggregated SERS sensing platform for metal ion detection based on bovine serum albumin-mediated metal nanoparticles. <i>Chemical Communications</i> , <b>2013</b> , 49, 7334-6	5.8	21
136	Z-like Conducting Pathways in Zigzag Graphene Nanoribbons with Edge Protrusions. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 5915-5919	3.8	21
135	Electronic properties of Si(111)-7 $\times$ 7 and related reconstructions: Density functional theory calculations. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	20
134	Charge-governed phase manipulation of few-layer tellurium. <i>Nanoscale</i> , <b>2018</b> , 10, 22263-22269	7.7	20
133	Broadband Visible Light Harvesting N <sup>N</sup> Pt(II) Bisacetylido Complex with Bodipy and Naphthalene Diimide Ligands: Förster Resonance Energy Transfer and Intersystem Crossing. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 11117-11128	3.8	19
132	Deriving phosphorus atomic chains from few-layer black phosphorus. <i>Nano Research</i> , <b>2017</b> , 10, 2519-2526	6.0	19
131	CTAB-triggered Ag aggregates for reproducible SERS analysis of urinary polycyclic aromatic hydrocarbon metabolites. <i>Chemical Communications</i> , <b>2019</b> , 55, 2146-2149	5.8	19
130	Reusable Silicon-Based SERS Chip for Ratiometric Analysis of Fluoride Ion in Aqueous Solutions. <i>ACS Sensors</i> , <b>2019</b> , 4, 2336-2342	9.2	19
129	Interface Engineering of Au(111) for the Growth of 1T'-MoSe. <i>ACS Nano</i> , <b>2019</b> , 13, 2316-2323	16.7	19
128	Template free synthesis of dendritic silver nanostructures and their application in surface-enhanced Raman scattering. <i>RSC Advances</i> , <b>2014</b> , 4, 52686-52689	3.7	18
127	Pressure- and temperature-induced structural phase transitions of CaFe <sub>2</sub> As <sub>2</sub> and BaFe <sub>2</sub> As <sub>2</sub> studied in the Hund's rule correlation picture. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	18
126	Bethe-Slater-curve-like behavior and interlayer spin-exchange coupling mechanisms in two-dimensional magnetic bilayers. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	18
125	Boronic acid functionalized fiber-optic SPR sensors for high sensitivity glycoprotein detection. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 260, 976-982	8.5	17
124	Wet Chemical Method for Black Phosphorus Thinning and Passivation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 9213-9222	9.5	16
123	Unexpected Nucleophilic Substitution Reaction of BODIPY: Preparation of the BODIPY-TEMPO Triad Showing Radical-Enhanced Intersystem Crossing. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 885-895	3.2	16



122	In situ formation of SERS hot spots by a bis-quaternized perylene dye: a simple strategy for highly sensitive detection of heparin over a wide concentration range. <i>Analyst, The</i> , <b>2018</b> , 143, 1899-1905	5	15
121	Multiple pathways of dissociative attachment: CH <sub>3</sub> Br on Si(100)-2 $\times$ 1. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 11534-9	16.4	15
120	Adsorption of benzene, fluorobenzene and meta-di-fluorobenzene on Cu(110): a computational study. <i>Journal of Computational Chemistry</i> , <b>2008</b> , 29, 1589-95	3.5	15
119	The microstructural origin of rapid densification in 3YSZ during ultra-fast firing with or without an electric field. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 5829-5836	6	15
118	Simultaneous enhancement of phonons modes with molecular vibrations due to Mg doping of a TiO <sub>2</sub> substrate. <i>RSC Advances</i> , <b>2013</b> , 3, 20891	3.7	14
117	SERS detection of proteins on micropatterned protein-mediated sandwich substrates. <i>Journal of Raman Spectroscopy</i> , <b>2011</b> , 42, 1492-1496	2.3	14
116	Tailoring the Morphology and Dewetting of an Organic Thin Film. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 217-224	3.8	14
115	Continuously tunable electronic structure of transition metal dichalcogenides superlattices. <i>Scientific Reports</i> , <b>2015</b> , 5, 8356	4.9	13
114	Vibrational spectroscopy and density functional theory study of 4-mercaptophenol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 122, 698-703	4.4	13
113	Solution-Based Property Tuning of Black Phosphorus. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 39890-39897	9.5	13
112	Electron Transfer of Cytochrome c on Surface-Enhanced Raman Scattering-Active Substrates: Material Dependence and Biocompatibility. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 9034-9038	4.8	12
111	Illuminating interlayer interactions. <i>Nature Materials</i> , <b>2018</b> , 17, 211-213	27	12
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