

# Yuan Liu

## List of Publications by Year in Descending Order

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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.

252 papers	17,186 citations	58 h-index	128 g-index
276 ext. papers	21,211 ext. citations	11.8 avg, IF	7 L-index

#	Paper	IF	Citations
252	Ultra-Steep-Slope High-Gain MoS Transistors with Atomic Threshold-Switching Gate.. <i>Advanced Science</i> , <b>2022</b> , e2104439	13.6	4
251	Efficient modulation of MoS <sub>2</sub> /WSe <sub>2</sub> interlayer excitons via uniaxial strain. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 053107	3.4	4
250	2D Heterostructures for Ubiquitous Electronics and Optoelectronics: Principles, Opportunities, and Challenges.. <i>Chemical Reviews</i> , <b>2022</b> ,	68.1	28
249	A novel specific and ultrasensitive method detecting extracellular vesicles secreted from lung cancer by padlock probe-based exponential rolling circle amplification. <i>Nano Today</i> , <b>2022</b> , 42, 101334	17.9	2
248	Multiple chemiluminescence immunoassay detection of the concentration ratio of glycosylated hemoglobin A1c to total hemoglobin in whole blood samples.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1192, 339379	6.6	4
247	Strain-Plasmonic Coupled Broadband Photodetector Based on Monolayer MoS <sub>2</sub> . <i>Small</i> , <b>2022</b> , e2107104	11	3
246	Study on the Air-Tightness Detection System for Pipetting in the Automated Aptamer Selection Instrument. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2022</b> , 17, 63-71	1.3	0
245	Selection of a High-Affinity DNA Aptamer for the Recognition of Cadmium Ions.. <i>Journal of Biomedical Nanotechnology</i> , <b>2021</b> , 17, 2240-2246	4	4
244	Ultrasound-Propelled Janus Rod-Shaped Micromotors for Site-Specific Sonodynamic Thrombolysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	4
243	Visualizing Band Profiles of Gate-Tunable Junctions in MoS <sub>2</sub> /WSe <sub>2</sub> Heterostructure Transistors. <i>ACS Nano</i> , <b>2021</b> , 15, 16314-16321	16.7	3
242	Three new sesquiterpenoid alkaloids from the roots of and its cytotoxicity. <i>Natural Product Research</i> , <b>2021</b> , 1-9	2.3	0
241	Reconfigurable electronics by disassembling and reassembling van der Waals heterostructures. <i>Nature Communications</i> , <b>2021</b> , 12, 1825	17.4	10
240	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
239	High-order superlattices by rolling up van der Waals heterostructures. <i>Nature</i> , <b>2021</b> , 591, 385-390	50.4	47
238	Promises and prospects of two-dimensional transistors. <i>Nature</i> , <b>2021</b> , 591, 43-53	50.4	143
237	High-Performance Large-Scale Vertical 1T'/2H Homojunction CVD-Grown Polycrystalline MoTe <sub>2</sub> Transistors. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2002023	4.6	5
236	Transferred van der Waals metal electrodes for sub-1-nm MoS <sub>2</sub> vertical transistors. <i>Nature Electronics</i> , <b>2021</b> , 4, 342-347	28.4	36

235	Electronic Fluctuation of Graphene Nanoribbon MOSFETs Under a Full Quantum Dynamics Framework. <i>IEEE Transactions on Electron Devices</i> , <b>2021</b> , 68, 1980-1985	2.9	0
234	Protein analysis of extracellular vesicles to monitor and predict therapeutic response in metastatic breast cancer. <i>Nature Communications</i> , <b>2021</b> , 12, 2536	17.4	36
233	Rapid One-Step Detection of Viral Particles Using an Aptamer-Based Thermophoretic Assay. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 7261-7266	16.4	22
232	Uncovering the Protective Mechanism of the Volatile Oil of against Acute Myocardial Ischemia Injury Using Network Pharmacology and Experimental Validation. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2021</b> , 2021, 6630795	2.3	0
231	High-Density Reconfigurable Synaptic Transistors Targeting a Minimalist Neural Network. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 28564-28573	9.5	2
230	Identifying Promising Covalent-Organic Frameworks for Decarburization and Desulfurization from Biogas via Computational Screening. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 8858-8867	8.3	5
229	High-Resolution Van der Waals Stencil Lithography for 2D Transistors. <i>Small</i> , <b>2021</b> , 17, e2101209	11	4
228	Gate-tunable linear magnetoresistance in molybdenum disulfide field-effect transistors with graphene insertion layer. <i>Nano Research</i> , <b>2021</b> , 14, 1814-1818	10	3
227	Variability in emotion regulation strategy use is negatively associated with depressive symptoms. <i>Cognition and Emotion</i> , <b>2021</b> , 35, 324-340	2.3	0
226	Recent progresses of NMOS and CMOS logic functions based on two-dimensional semiconductors. <i>Nano Research</i> , <b>2021</b> , 14, 1768-1783	10	8
225	In-plane epitaxial growth of 2D CoSe-WSe <sub>2</sub> metal-semiconductor lateral heterostructures with improved WSe <sub>2</sub> transistors performance. <i>Information Materials</i> , <b>2021</b> , 3, 222-228	23.1	11
224	Nanosensors for Diagnosis of Infectious Diseases.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 3863-3879	4.1	10
223	Ultra-Steep Slope Impact Ionization Transistors Based on Graphene/InAs Heterostructures. <i>Small Structures</i> , <b>2021</b> , 2, 2000039	8.7	6
222	Two new terpenes from the aerial parts of <i>Osbeck</i> . <i>Natural Product Research</i> , <b>2021</b> , 1-8	2.3	
221	Highly Selective Synthesis of Monolayer or Bilayer WSe <sub>2</sub> Single Crystals by Pre-annealing the Solid Precursor. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 1307-1313	9.6	6
220	Origin of low-temperature negative transconductance in multilayer MoS <sub>2</sub> transistors. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 043502	3.4	1
219	Shape switching of CaCO <sub>3</sub> -templated nanorods into stiffness-adjustable nanocapsules to promote efficient drug delivery. <i>Acta Biomaterialia</i> , <b>2021</b> , 128, 474-485	10.8	2
218	Synthesis of Ultrathin 2D Nonlayered HgMnSe Nanosheets, MnSe/WS <sub>2</sub> Heterojunction for High-Performance Photodetectors. <i>Small Structures</i> , <b>2021</b> , 2, 2100028	8.7	10

217	Assessment of the Regional and Sectoral Economic Impacts of Heat-Related Changes in Labor Productivity Under Climate Change in China. <i>Earth's Future</i> , <b>2021</b> , 9, e2021EF002028	7.9	1
216	Dry Exfoliation of Large-Area 2D Monolayer and Heterostructure Arrays. <i>ACS Nano</i> , <b>2021</b> ,	16.7	5
215	MoS <sub>2</sub> Homojunctions Transistors Enabled by Dimension Tailoring Strategy. <i>Advanced Electronic Materials</i> , <b>2021</b> , 7, 2100703	6.4	2
214	Evaluating the Electrical Characteristics of Quasi-One-Dimensional ZrTe <sub>3</sub> Nanoribbon Interconnects. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 4228-4235	4	3
213	Bacterial navigation for tumor targeting and photothermally-triggered bacterial ghost transformation for spatiotemporal drug release. <i>Acta Biomaterialia</i> , <b>2021</b> , 131, 172-184	10.8	5
212	A novel carbon aerogel enabling respiratory monitoring for bio-facial masks. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 13143-13150	13	3
211	Changes in Global and Regional Characteristics of Heat Stress Waves in the 21st Century. <i>Earth's Future</i> , <b>2020</b> , 8, e2020EF001636	7.9	9
210	An intrinsically healing artificial neuromorphic device. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 6869-6876	7.1	6
209	Fe and Cu co-doped graphitic carbon nitride as an eco-friendly photo-assisted catalyst for aniline degradation. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 29391-29407	5.1	15
208	Ultra-high current gain tunneling hot-electron transfer amplifier based on vertical van der Waals heterojunctions. <i>Nano Research</i> , <b>2020</b> , 13, 2085-2090	10	2
207	Palladium-Catalyzed Divergent Imidoylative Cyclization of Multifunctionalized Isocyanides: Tunable Access to Oxazol-5(4)-ones and Cyclic Ketoimines. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 7297-7308	4.2	2
206	Stretchable synaptic transistors with tunable synaptic behavior. <i>Nano Energy</i> , <b>2020</b> , 75, 104952	17.1	40
205	Vapor phase growth of two-dimensional PdSe <sub>2</sub> nanosheets for high-photoresponsivity near-infrared photodetectors. <i>Nano Research</i> , <b>2020</b> , 13, 2091-2097	10	26
204	Investigation on the Effects of Bridging Groups in Aromatic Diphenol-Based Benzoxazines: Curing Reaction and H Bonds. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 12085-12095	3.9	5
203	Hierarchically targetable fiber rods decorated with dual targeting ligands and detachable zwitterionic coronas. <i>Acta Biomaterialia</i> , <b>2020</b> , 110, 231-241	10.8	6
202	Reliable Patterning, Transfer Printing and Post-Assembly of Multiscale Adhesion-Free Metallic Structures for Nanogap Device Applications. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002549	15.6	9
201	Performance of geosynthetic-reinforced pile-supported embankment on soft marine deposit. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , <b>2020</b> , 1-59	0.9	14
200	General synthesis of two-dimensional van der Waals heterostructure arrays. <i>Nature</i> , <b>2020</b> , 579, 368-374	50.4	195

199	Fibrous testing papers for fluorescence trace sensing and photodynamic destruction of antibiotic-resistant bacteria. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 2709-2718	7.3	10
198	Cooperativity effects between regium-bonding and pnicoen-bonding interactions in ternary MF $\square$ PH $\square$ MF (M = Cu, Ag, Au): an ab initio study. <i>Molecular Physics</i> , <b>2020</b> , 118, e1784478	1.7	6
197	Efficient strain modulation of 2D materials via polymer encapsulation. <i>Nature Communications</i> , <b>2020</b> , 11, 1151	17.4	81
196	Highly Reliable Low-Voltage Memristive Switching and Artificial Synapse Enabled by van der Waals Integration. <i>Matter</i> , <b>2020</b> , 2, 965-976	12.7	22
195	Palladium-catalysed dearomative aryl/cycloimidoylation of indoles. <i>Chemical Communications</i> , <b>2020</b> , 56, 3249-3252	5.8	19
194	An Electrically Controlled Wavelength-Tunable Nanoribbon Laser. <i>ACS Nano</i> , <b>2020</b> , 14, 3397-3404	16.7	17
193	Sensitive pressure sensors based on conductive microstructured air-gap gates and two-dimensional semiconductor transistors. <i>Nature Electronics</i> , <b>2020</b> , 3, 59-69	28.4	69
192	Microfluidic solution-processed organic and perovskite nanowires fabricated for field-effect transistors and photodetectors. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 2353-2362	7.1	9
191	A New Alkaloid from the Aerial Parts of Bupleurum chinense DC. <i>Chemistry and Biodiversity</i> , <b>2020</b> , 17, e1900697	2.5	2
190	Possible Luttinger liquid behavior of edge transport in monolayer transition metal dichalcogenide crystals. <i>Nature Communications</i> , <b>2020</b> , 11, 659	17.4	12
189	Enhanced mineralization of bisphenol A by eco-friendly BiFeO-MnO composite: Performance, mechanism and toxicity assessment. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 399, 122883	12.8	21
188	Programmable devices based on reversible solid-state doping of two-dimensional semiconductors with superionic silver iodide. <i>Nature Electronics</i> , <b>2020</b> , 3, 630-637	28.4	26
187	Finite temperature auxiliary field quantum Monte Carlo in the canonical ensemble. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 204108	3.9	5
186	Fibrous strips decorated with cleavable aggregation-induced emission probes for visual detection of Hg. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 385, 121556	12.8	24
185	Physiological characteristics and metabolomics reveal the tolerance mechanism to low nitrogen in Glycine soja leaves. <i>Physiologia Plantarum</i> , <b>2020</b> , 168, 819-834	4.6	11
184	Eight biomarkers on a novel strip for early diagnosis of acute myocardial infarction. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 1138-1143	5.1	9
183	Ultrafast growth of large single crystals of monolayer WS and WSe. <i>National Science Review</i> , <b>2020</b> , 7, 737-744	10.8	36
182	Immunosuppressive withanolides from the flower of Datura metel L. <i>Fitoterapia</i> , <b>2020</b> , 141, 104468	3.2	3

181	Ultrasensitive Organic-Modulated CsPbBr <sub>3</sub> Quantum Dot Photodetectors via Fast Interfacial Charge Transfer. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 1901741	4.6	17
180	A single-pair method to screen Rickettsia-infected and uninfected whitefly Bemisia tabaci populations. <i>Journal of Microbiological Methods</i> , <b>2020</b> , 168, 105797	2.8	2
179	The central trend in crop yields under climate change in China: A systematic review. <i>Science of the Total Environment</i> , <b>2020</b> , 704, 135355	10.2	13
178	New indole alkaloids from the seeds of Datura metel L. <i>Phytotherapy Research</i> , <b>2020</b> , 146, 104726	3.2	3
177	High-Performance Organic Electrochemical Transistors with Nanoscale Channel Length and Their Application to Artificial Synapse. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 49915-49925	9.5	18
176	Probing photoelectrical transport in lead halide perovskites with van der Waals contacts. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 768-775	28.7	23
175	InGaZnO Tunnel and Junction Transistors Based on Vertically Stacked Black Phosphorus/InGaZnO Heterojunctions. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 2000291	6.4	6
174	Graphene-based vertical thin film transistors. <i>Science China Information Sciences</i> , <b>2020</b> , 63, 1	3.4	14
173	Electrically controllable laser frequency combs in graphene-fibre microresonators. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 185	16.7	14
172	Positively charged gold-silver nanostar enabled molecular characterization of cancer associated extracellular vesicles. <i>Analytical Methods</i> , <b>2020</b> , 12, 5908-5915	3.2	2
171	Effect of Distance from Catalytic Synergy Group to Iron Porphyrin Center on Activity of G-Quadruplex/Hemin DNAzyme. <i>Molecules</i> , <b>2020</b> , 25,	4.8	4
170	Climate Change Effects on Agricultural Production: The Regional and Sectoral Economic Consequences in China. <i>Earth's Future</i> , <b>2020</b> , 8, e2020EF001617	7.9	5
169	Rational design of AlO <sub>3</sub> /2D perovskite heterostructure dielectric for high performance MoS <sub>2</sub> phototransistors. <i>Nature Communications</i> , <b>2020</b> , 11, 4266	17.4	21
168	What Is the Consensus from Multiple Conclusions of Future Crop Yield Changes Affected by Climate Change in China?. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	2
167	Doping-free complementary WSe <sub>2</sub> circuit via van der Waals metal integration. <i>Nature Communications</i> , <b>2020</b> , 11, 1866	17.4	68
166	Improving areal capacity of flexible Li <sub>2</sub> CO <sub>3</sub> batteries by constructing a freestanding cathode with monodispersed MnO nanoparticles in N-doped mesoporous carbon nanofibers. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 10354-10362	13	16
165	A Metal-Organic Framework as Selectivity Regulator for Fe and Ascorbic Acid Detection. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 12453-12460	7.8	92
164	Physiological and metabolomics analyses of young and old leaves from wild and cultivated soybean seedlings under low-nitrogen conditions. <i>BMC Plant Biology</i> , <b>2019</b> , 19, 389	5.3	9

163	In Situ Probing Molecular Intercalation in Two-Dimensional Layered Semiconductors. <i>Nano Letters</i> , <b>2019</b> , 19, 6819-6826	11.5	37
162	Two-Dimensional Alloying Molybdenum Tin Disulfide Monolayers with Fast Photoresponse. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 39077-39087	9.5	14
161	van der Waals Epitaxial Growth of Atomically Thin 2D Metals on Dangling-Bond-Free WSe <sub>2</sub> and WS <sub>2</sub> . <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1806611	15.6	60
160	Sequential Drug Release to Modulate Collagen Synthesis and Promote Micelle Penetration in Tumors. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 1343-1353	5.5	5
159	Regium bonds formed by MX (M=Cu, Ag, Au; X=F, Cl, Br) with phosphine-oxide/phosphinous acid: comparisons between oxygen-shared and phosphine-shared complexes. <i>Molecular Physics</i> , <b>2019</b> , 117, 2443-2455	1.7	18
158	A field-effect approach to directly profiling the localized states in monolayer MoS <sub>2</sub> . <i>Science Bulletin</i> , <b>2019</b> , 64, 1049-1055	10.6	5
157	A new type of halogen bond involving multivalent astatine: an ab initio study. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 15310-15318	3.6	20
156	van der Waals epitaxial growth of ultrathin metallic NiSe nanosheets on WSe <sub>2</sub> as high performance contacts for WSe <sub>2</sub> transistors. <i>Nano Research</i> , <b>2019</b> , 12, 1683-1689	10	20
155	Tuneable access to isoquinolines via a transition-metal-free C(sp <sup>3</sup> )C(sp <sup>3</sup> ) bond cleavage rearrangement reaction. <i>Organic Chemistry Frontiers</i> , <b>2019</b> , 6, 2430-2434	5.2	2
154	Convenient Synthesis of Acyclic Amidines via Copper-Catalyzed C(sp <sup>3</sup> )-H Amidination. <i>ChemistrySelect</i> , <b>2019</b> , 4, 4647-4651	1.8	1
153	Exploring and suppressing the kink effect of black phosphorus field-effect transistors operating in the saturation regime. <i>Nanoscale</i> , <b>2019</b> , 11, 10420-10428	7.7	4
152	Phase-Tunable Synthesis of Ultrathin Layered Tetragonal CoSe and Nonlayered Hexagonal CoSe Nanoplates. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900901	24	37
151	Ostwald Ripening-Mediated Grafting of Metal-Organic Frameworks on a Single Colloidal Nanocrystal to Form Uniform and Controllable MXF. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 7407-7413	16.4	45
150	Prediction of Stable and High-Performance Charge Transport in Zigzag Tellurene Nanoribbons. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 2365-2369	2.9	8
149	Van der Waals integration before and beyond two-dimensional materials. <i>Nature</i> , <b>2019</b> , 567, 323-333	50.4	530
148	Interface engineering for two-dimensional semiconductor transistors. <i>Nano Today</i> , <b>2019</b> , 25, 122-134	17.9	20
147	Direct van der Waals epitaxial growth of 1D/2D Sb <sub>2</sub> Se <sub>3</sub> /WS <sub>2</sub> mixed-dimensional p-n heterojunctions. <i>Nano Research</i> , <b>2019</b> , 12, 1139-1145	10	28
146	Identifying the metabolomics and physiological differences among Soja in the early flowering stage. <i>Plant Physiology and Biochemistry</i> , <b>2019</b> , 139, 82-91	5.4	4



145	A Sensitive Aptasensor Based on a Hemin/G-Quadruplex-Assisted Signal Amplification Strategy for Electrochemical Detection of Gastric Cancer Exosomes. <i>Small</i> , <b>2019</b> , 15, e1900735	11	158
144	Perovskite/Black Phosphorus/MoS Photogate Reversed Photodiodes with Ultrahigh Light On/Off Ratio and Fast Response. <i>ACS Nano</i> , <b>2019</b> , 13, 4804-4813	16.7	53
143	Self-Assembled Molecular-Electronic Films Controlled by Room Temperature Quantum Interference. <i>Chem</i> , <b>2019</b> , 5, 474-484	16.2	28
142	Monodispersed MnO nanoparticles in graphene-an interconnected N-doped 3D carbon framework as a highly efficient gas cathode in Li <sub>2</sub> O <sub>2</sub> batteries. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 1046-1054	35.4	69
141	Fast and controlled growth of two-dimensional layered ZrTe <sub>3</sub> nanoribbons by chemical vapor deposition. <i>CrystEngComm</i> , <b>2019</b> , 21, 5586-5594	3.3	7
140	Metabolomics reveals the drought-tolerance mechanism in wild soybean (Glycine soja). <i>Acta Physiologiae Plantarum</i> , <b>2019</b> , 41, 1	2.6	9
139	Magnetic logic inverter from crossed structures of defect-free graphene with large unsaturated room temperature negative magnetoresistance. <i>Nano Research</i> , <b>2019</b> , 12, 2485-2489	10	2
138	Ta Doping Enhanced Room-Temperature Ferromagnetism in 2D Semiconducting MoTe <sub>2</sub> Nanosheets. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1900552	6.4	14
137	Detection, characterization and expression dynamics of histone proteins in the dinoflagellate <i>Alexandrium pacificum</i> during growth regulation. <i>Harmful Algae</i> , <b>2019</b> , 87, 101630	5.3	2
136	Band-Offset Degradation in van der Waals Heterojunctions. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	7
135	Quest for p-Type Two-Dimensional Semiconductors. <i>ACS Nano</i> , <b>2019</b> , 13, 12294-12300	16.7	36
134	Luminescent metal organic frameworks with recognition sites for detection of hypochlorite through energy transfer. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 740	5.8	9
133	CRISPR-Cas13a mediated nanosystem for attomolar detection of canine parvovirus type 2. <i>Chinese Chemical Letters</i> , <b>2019</b> , 30, 2201-2204	8.1	26
132	High on/off ratio black phosphorus based memristor with ultra-thin phosphorus oxide layer. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 193503	3.4	22
131	Effects of salinity on photosynthetic traits, ion homeostasis and nitrogen metabolism in wild and cultivated soybean. <i>PeerJ</i> , <b>2019</b> , 7, e8191	3.1	9
130	A SUMMARY OF THE CLEARANCE PRACTICE OF THE SPENT RESIN FROM NUCLEAR POWER PLANTS IN CHINA. <i>The Proceedings of the International Conference on Nuclear Engineering (ICONE)</i> , <b>2019</b> , 2019.27, 1599	0.1	
129	Quantitative Surface Plasmon Interferometry via Upconversion Photoluminescence Mapping. <i>Research</i> , <b>2019</b> , 2019, 8304824	7.8	2
128	Specific Action Recognition Method based on Unbalanced Dataset <b>2019</b> ,		1



127	Kirigami-inspired multiscale patterning of metallic structures via predefined nanotrench templates. <i>Microsystems and Nanoengineering</i> , <b>2019</b> , 5, 54	7.7	11
126	Profiling and targeting of cellular mitochondrial bioenergetics: inhibition of human gastric cancer cell growth by carnosine. <i>Acta Pharmacologica Sinica</i> , <b>2019</b> , 40, 938-948	8	10
125	Identification of valid reference genes for the normalization of RT-qPCR gene expression data in <i>Alexandrium catenella</i> under different nutritional conditions. <i>Journal of Applied Phycology</i> , <b>2019</b> , 31, 1819-1833	3.2	5
124	Tunable Schottky barrier width and enormously enhanced photoresponsivity in Sb doped SnS <sub>2</sub> monolayer. <i>Nano Research</i> , <b>2019</b> , 12, 463-468	10	50
123	Maximizing the Current Output in Self-Aligned Graphene-InAs-Metal Vertical Transistors. <i>ACS Nano</i> , <b>2019</b> , 13, 847-854	16.7	14
122	Aptasensors for pesticide detection. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 130, 174-184	11.8	130
121	High-performance asymmetric electrodes photodiode based on Sb/WSe <sub>2</sub> heterostructure. <i>Nano Research</i> , <b>2019</b> , 12, 339-344	10	25
120	Halogen bonds and metal bonds involving superalkalies M <sub>2</sub> OCN/M <sub>2</sub> NCO (M = Li, Na) complexes. <i>Structural Chemistry</i> , <b>2019</b> , 30, 965-977	1.8	11
119	A K-means based firefly algorithm for localization in sensor networks. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , <b>2019</b> , 34, 364-379	1	3
118	High-Performance Photoinduced Memory with Ultrafast Charge Transfer Based on MoS <sub>2</sub> /SWCNTs Network Van Der Waals Heterostructure. <i>Small</i> , <b>2019</b> , 15, e1804661	11	17
117	All-Two-Dimensional-Material Hot Electron Transistor. <i>IEEE Electron Device Letters</i> , <b>2018</b> , 39, 634-637	4.4	14
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