

# Peng Wang

## List of Publications by Citations

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247  
ext. papers

12,474  
ext. citations

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avg, IF

6.24  
L-index

#	Paper	IF	Citations
235	High-resolution detection of Au catalyst atoms in Si nanowires. <i>Nature Nanotechnology</i> , <b>2008</b> , 3, 168-73	28.7	537
234	Free-standing graphene at atomic resolution. <i>Nature Nanotechnology</i> , <b>2008</b> , 3, 676-81	28.7	530
233	Surface-Enhanced Raman Scattering Active Gold Nanoparticles with Enzyme-Mimicking Activities for Measuring Glucose and Lactate in Living Tissues. <i>ACS Nano</i> , <b>2017</b> , 11, 5558-5566	16.7	383
232	Robust memristors based on layered two-dimensional materials. <i>Nature Electronics</i> , <b>2018</b> , 1, 130-136	28.4	348
231	Interlayer Transition and Infrared Photodetection in Atomically Thin Type-II MoTe <sub>2</sub> /MoS <sub>2</sub> van der Waals Heterostructures. <i>ACS Nano</i> , <b>2016</b> , 10, 3852-8	16.7	314
230	Room temperature high-detectivity mid-infrared photodetectors based on black arsenic phosphorus. <i>Science Advances</i> , <b>2017</b> , 3, e1700589	14.3	269
229	Broadband Photovoltaic Detectors Based on an Atomically Thin Heterostructure. <i>Nano Letters</i> , <b>2016</b> , 16, 2254-9	11.5	248
228	Towards efficient solar hydrogen production by intercalated carbon nitride photocatalyst. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 18077-84	3.6	243
227	Electrocatalytic Hydrogen Evolution Reaction on Edges of a Few Layer Molybdenum Disulfide Nanodots. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 14113-22	9.5	242
226	Controlled Synthesis of Lead-Free and Stable Perovskite Derivative Cs <sub>2</sub> SnI <sub>6</sub> Nanocrystals via a Facile Hot-Injection Process. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 8132-8140	9.6	239
225	Nitrogen-Doped CoP Electrocatalysts for Coupled Hydrogen Evolution and Sulfur Generation with Low Energy Consumption. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800140	24	224
224	Compact Plasmonic Blackbody for Cancer Theranosis in the Near-Infrared II Window. <i>ACS Nano</i> , <b>2018</b> , 12, 2643-2651	16.7	209
223	Freestanding crystalline oxide perovskites down to the monolayer limit. <i>Nature</i> , <b>2019</b> , 570, 87-90	50.4	206
222	Strain dynamics of ultrathin VO <sub>2</sub> film grown on TiO <sub>2</sub> (001) and the associated phase transition modulation. <i>Nano Letters</i> , <b>2014</b> , 14, 4036-43	11.5	186
221	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
220	Stable iridium dinuclear heterogeneous catalysts supported on metal-oxide substrate for solar water oxidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 2902-2907	11.5	156
219	High-Mobility Multilayered MoS <sub>2</sub> Flakes with Low Contact Resistance Grown by Chemical Vapor Deposition. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604540	24	153

218	Lithiation-induced amorphization of Pd <sub>3</sub> P <sub>2</sub> S <sub>8</sub> for highly efficient hydrogen evolution. <i>Nature Catalysis</i> , <b>2018</b> , 1, 460-468	36.5	153
217	Platinum Integrated Graphene for Methanol Fuel Cells. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 15837-15841	15.4	147
216	The simplest construction of single-site catalysts by the synergism of micropore trapping and nitrogen anchoring. <i>Nature Communications</i> , <b>2019</b> , 10, 1657	17.4	144
215	Highly sensitive visible to infrared MoTe <sub>2</sub> photodetectors enhanced by the photogating effect. <i>Nanotechnology</i> , <b>2016</b> , 27, 445201	3.4	126
214	Synthesis of synergetic phosphorus and cyano groups ( C N) modified g-C <sub>3</sub> N <sub>4</sub> for enhanced photocatalytic H <sub>2</sub> production and CO <sub>2</sub> reduction under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 232, 521-530	21.8	114
213	Self-assembled growth, microstructure, and field-emission high-performance of ultrathin diamond nanorods. <i>ACS Nano</i> , <b>2009</b> , 3, 1032-8	16.7	113
212	e occupancy as an effective descriptor for the catalytic activity of perovskite oxide-based peroxidase mimics. <i>Nature Communications</i> , <b>2019</b> , 10, 704	17.4	112
211	Nanoporous Zn-doped Co <sub>3</sub> O <sub>4</sub> sheets with single-unit-cell-wide lateral surfaces for efficient oxygen evolution and water splitting. <i>Nano Energy</i> , <b>2018</b> , 44, 371-377	17.1	111
210	Epitaxial Ultrathin Organic Crystals on Graphene for High-Efficiency Phototransistors. <i>Advanced Materials</i> , <b>2016</b> , 28, 5200-5	24	109
209	Surface Structural Transition Induced by Gradient Polyanion-Doping in Li-Rich Layered Oxides: Implications for Enhanced Electrochemical Performance. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4760-4767	15.6	107
208	Uniform and ultrathin high- $\kappa$ gate dielectrics for two-dimensional electronic devices. <i>Nature Electronics</i> , <b>2019</b> , 2, 563-571	28.4	93
207	Ruthenium-platinum core-shell nanocatalysts with substantially enhanced activity and durability towards methanol oxidation. <i>Nano Energy</i> , <b>2016</b> , 21, 247-257	17.1	88
206	Magnetic Semiconductor Gd-Doping CuS Nanoparticles as Activatable Nanoprobes for Bimodal Imaging and Targeted Photothermal Therapy of Gastric Tumors. <i>Nano Letters</i> , <b>2019</b> , 19, 937-947	11.5	87
205	Experimental realization of two-dimensional artificial skyrmion crystals at room temperature. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	79
204	Engineering hetero-epitaxial nanostructures with aligned Li-ion channels in Li-rich layered oxides for high-performance cathode application. <i>Nano Energy</i> , <b>2017</b> , 35, 271-280	17.1	78
203	Epitaxial growth of wafer-scale molybdenum disulfide semiconductor single crystals on sapphire. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 1201-1207	28.7	75
202	Dandelion-like Mn/Ni Co-doped CoO/C Hollow Microspheres with Oxygen Vacancies for Advanced Lithium Storage. <i>ACS Nano</i> , <b>2019</b> , 13, 11921-11934	16.7	74
201	Tuning the catalytic activity of graphene nanosheets for oxygen reduction reaction via size and thickness reduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 19726-36	9.5	74

200	Manganese-Based Na-Rich Materials Boost Anionic Redox in High-Performance Layered Cathodes for Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807770	24	72
199	Achieving high thermoelectric performance with Pb and Zn codoped polycrystalline SnSe via phase separation and nanostructuring strategies. <i>Nano Energy</i> , <b>2018</b> , 53, 683-689	17.1	68
198	Atomic interpretation of high activity on transition metal and nitrogen-doped carbon nanofibers for catalyzing oxygen reduction. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 3336-3345	13	67
197	Biological Uptake, Distribution, and Depuration of Radio-Labeled Graphene in Adult Zebrafish: Effects of Graphene Size and Natural Organic Matter. <i>ACS Nano</i> , <b>2017</b> , 11, 2872-2885	16.7	66
196	Stacking-mode confined growth of 2H-MoTe <sub>2</sub> /MoS <sub>2</sub> bilayer heterostructures for UV-vis-IR photodetectors. <i>Nano Energy</i> , <b>2018</b> , 49, 200-208	17.1	65
195	Enhanced Water-Splitting Performance of Perovskite SrTaO <sub>2</sub> N Photoanode Film through Ameliorating Interparticle Charge Transport. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 7156-7163	15.6	63
194	Constrained growth of ultrasmall BiOCl nanodiscs with a low percentage of exposed {001} facets and their enhanced photoreactivity under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 176-177, 201-211	21.8	59
193	Surface passivation of mixed-halide perovskite CsPb(BrI) nanocrystals by selective etching for improved stability. <i>Nanoscale</i> , <b>2017</b> , 9, 7391-7396	7.7	58
192	Electron ptychographic microscopy for three-dimensional imaging. <i>Nature Communications</i> , <b>2017</b> , 8, 16317.4	17.4	57
191	Two-Dimensional Semiconductors Grown by Chemical Vapor Transport. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 3611-3615	16.4	56
190	Gate-Induced Interfacial Superconductivity in 1T-SnSe. <i>Nano Letters</i> , <b>2018</b> , 18, 1410-1415	11.5	54
189	Enhancing the Structural Stability of Ni-Rich Layered Oxide Cathodes with a Preformed Zr-Concentrated Defective Nanolayer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 39599-39607	9.5	53
188	Hierarchical sulfur and nitrogen co-doped carbon nanocages as efficient bifunctional oxygen electrocatalysts for rechargeable Zn-air battery. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 34, 64-71	12	50
187	Layer-Dependent Chemically Induced Phase Transition of Two-Dimensional MoS <sub>2</sub> . <i>Nano Letters</i> , <b>2018</b> , 18, 3435-3440	11.5	50
186	Surface Engineering of CoMoS Nanosulfide for Hydrodeoxygenation of Lignin-Derived Phenols to Arenes. <i>ACS Catalysis</i> , <b>2019</b> , 9, 259-268	13.1	49
185	Solvothermal Synthesis of Lateral Heterojunction Sb <sub>2</sub> Te <sub>3</sub> /Bi <sub>2</sub> Te <sub>3</sub> Nanoplates. <i>Nano Letters</i> , <b>2015</b> , 15, 5905-11	11.5	48
184	Polarized Optoelectronics of CsPbX <sub>3</sub> (X = Cl, Br, I) Perovskite Nanoplates with Tunable Size and Thickness. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800283	15.6	47
183	Electroplating lithium transition metal oxides. <i>Science Advances</i> , <b>2017</b> , 3, e1602427	14.3	45

182	The Effect of Boron Doping on Structure and Electrochemical Performance of Lithium-Rich Layered Oxide Materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 18008-17	9.5	45
181	Phase transformations in yttrium aluminium oxides in friction stir welded and recrystallised PM2000 alloys. <i>Materials at High Temperatures</i> , <b>2009</b> , 26, 299-303	1.1	43
180	Tuning strain effect and surface composition in PdAu hollow nanospheres as highly efficient ORR electrocatalysts and SERS substrates. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 262, 118298	21.8	42
179	Hollow Palladium-Gold Nanochains with Periodic Concave Structures as Superior ORR Electrocatalysts and Highly Efficient SERS Substrates. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1904072	21.8	41
178	Study of Microstructure Change of Carbon Nanofibers as Binder-Free Anode for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 33091-33101	9.5	40
177	Nanoscale energy-filtered scanning confocal electron microscopy using a double-aberration-corrected transmission electron microscope. <i>Physical Review Letters</i> , <b>2010</b> , 104, 2008014	7.4	40
176	Mechanism of Alkali Metal Compound-Promoted Growth of Monolayer MoS <sub>2</sub> : Eutectic Intermediates. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 873-880	9.6	39
175	Contrast reversal in atomic-resolution chemical mapping. <i>Physical Review Letters</i> , <b>2008</b> , 101, 236102	7.4	38
174	Physicochemical Changes of Few-Layer Graphene in Peroxidase-Catalyzed Reactions: Characterization and Potential Ecological Effects. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 8558-65	10.3	37
173	A phase-transition-free cathode for sodium-ion batteries with ultralong cycle life. <i>Nano Energy</i> , <b>2018</b> , 52, 88-94	17.1	36
172	Unusual stacking variations in liquid-phase exfoliated transition metal dichalcogenides. <i>ACS Nano</i> , <b>2014</b> , 8, 3690-9	16.7	36
171	Deterministic electron ptychography at atomic resolution. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	36
170	Strong optical response and light emission from a monolayer molecular crystal. <i>Nature Communications</i> , <b>2019</b> , 10, 5589	17.4	36
169	Rational design of electrocatalysts for simultaneously promoting bulk charge separation and surface charge transfer in solar water splitting photoelectrodes. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 2568-2576	13	35
168	Mesoporous Ce-Ti-Zr ternary oxide millispheres for efficient catalytic ozonation in bubble column. <i>Chemical Engineering Journal</i> , <b>2018</b> , 338, 261-270	14.7	35
167	Unlocking the potential of graphene for water oxidation using an orbital hybridization strategy. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 407-416	35.4	35
166	Magnetic interactions in BiFeMnO <sub>3</sub> Films and BiFeO <sub>3</sub> /BiMnO <sub>3</sub> Superlattices. <i>Scientific Reports</i> , <b>2015</b> , 5, 9093	4.9	35
165	Aberration measurement using the Ronchigram contrast transfer function. <i>Ultramicroscopy</i> , <b>2010</b> , 110, 891-8	3.1	35

164	Direct measurement of composition of buried quantum dots using aberration-corrected scanning transmission electron microscopy. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 072111	3.4	35
163	Giant Ferroelectric Polarization in Ultrathin Ferroelectrics via Boundary-Condition Engineering. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701475	24	35
162	Understanding the Enhanced Kinetics of Gradient-Chemical-Doped Lithium-Rich Cathode Material. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 20519-20526	9.5	33
161	Site Occupancy and Dielectric Characteristics of Strontium Barium Niobate Ceramics: Sr/Ba Ratio Dependence. <i>Japanese Journal of Applied Physics</i> , <b>2002</b> , 41, 7042-7047	1.4	33
160	Ultrasonic activation of inert poly(tetrafluoroethylene) enables piezocatalytic generation of reactive oxygen species. <i>Nature Communications</i> , <b>2021</b> , 12, 3508	17.4	33
159	Stable heteroepitaxial interface of Li-rich layered oxide cathodes with enhanced lithium storage. <i>Energy Storage Materials</i> , <b>2019</b> , 21, 69-76	19.4	33
158	Heteroepitaxial oxygen-buffering interface enables a highly stable cobalt-free Li-rich layered oxide cathode. <i>Nano Energy</i> , <b>2020</b> , 75, 104995	17.1	32
157	Achieving high structure and voltage stability in cobalt-free Li-rich layered oxide cathodes via selective dual-cation doping. <i>Energy Storage Materials</i> , <b>2020</b> , 32, 37-45	19.4	30
156	Fabrication of highly emissive and highly stable perovskite nanocrystal-polymer slabs for luminescent solar concentrators. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 4872-4880	13	30
155	Capturing Reversible Cation Migration in Layered Structure Materials for Na-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900189	21.8	29
154	Carbon Quantum Dots Modulated NiMoP Hollow Nanopetals as Efficient Electrocatalysts for Hydrogen Evolution. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 14098-14105	3.9	29
153	Tuning the transport behavior of centimeter-scale WTe <sub>2</sub> ultrathin films fabricated by pulsed laser deposition. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 031906	3.4	29
152	Co-catalysis of a bi-functional ligand containing phosphine and Lewis acidic phosphonium for hydroformylation-catalization of olefins. <i>Green Chemistry</i> , <b>2016</b> , 18, 1798-1806	10	28
151	Repairing atomic vacancies in single-layer MoSe <sub>2</sub> field-effect transistor and its defect dynamics. <i>Npj Quantum Materials</i> , <b>2017</b> , 2,	5	27
150	Electron Ptychographic Diffractive Imaging of Boron Atoms in LaB Crystals. <i>Scientific Reports</i> , <b>2017</b> , 7, 2857	4.9	27
149	A Superlattice-Stabilized Layered Oxide Cathode for Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2020</b> , 32, e1907936	24	26
148	Structural and Magnetic Characterization of Co and Ni Silicate Hydroxides in Bulk and in Nanostructures within Silica Aerogels. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 945-953	9.6	26
147	Tailoring alternating heteroepitaxial nanostructures in Na-ion layered oxide cathodes via an in-situ composition modulation route. <i>Nano Energy</i> , <b>2018</b> , 44, 336-344	17.1	26

146	Atomic Resolution Defocused Electron Ptychography at Low Dose with a Fast, Direct Electron Detector. <i>Scientific Reports</i> , <b>2019</b> , 9, 3919	4.9	25
145	Bifunctional ligands in combination with phosphines and Lewis acidic phosphonium [corrected] for the carbonylative Sonogashira reaction. <i>Chemical Communications</i> , <b>2015</b> , 51, 10871-4	5.8	25
144	Low-dose phase retrieval of biological specimens using cryo-electron ptychography. <i>Nature Communications</i> , <b>2020</b> , 11, 2773	17.4	25
143	Iron oxide nanoparticles confined in mesoporous silicates for arsenic sequestration: effect of the host pore structure. <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 679-688	7.1	24
142	Insights into the growth of bismuth nanoparticles on 2D structured BiOCl photocatalysts: an in situ TEM investigation. <i>Dalton Transactions</i> , <b>2015</b> , 44, 15888-96	4.3	24
141	Antiferromagnetic Order in Epitaxial FeSe Films on SrTiO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2018</b> , 120, 097001	7.4	22
140	Probing the light harvesting and charge rectification of bismuth nanoparticles behind the promoted photoreactivity onto Bi/BiOCl catalyst by (in-situ) electron microscopy. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 201, 495-502	21.8	22
139	Engineering Nanoceria for Enhanced Peroxidase Mimics: A Solid Solution Strategy. <i>ChemCatChem</i> , <b>2019</b> , 11, 737-743	5.2	22
138	Synthesis of hierarchical and bridging carbon-coated LiMn <sub>0.9</sub> Fe <sub>0.1</sub> PO <sub>4</sub> nanostructure as cathode material with improved performance for lithium ion battery. <i>Journal of Power Sources</i> , <b>2017</b> , 359, 408-414	8.9	21
137	Core-Shell Layered Oxide Cathode for High-Performance Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 7144-7152	9.5	20
136	Roles of Coherent Interfaces on Electrochemical Performance of Sodium Layered Oxide Cathodes. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 4728-4737	9.6	20
135	Geometric aspects of lattice contrast visibility in nanocrystalline materials using HAADF STEM. <i>Ultramicroscopy</i> , <b>2006</b> , 106, 277-283	3.1	20
134	Revealing the Critical Role of Titanium in Layered Manganese-Based Oxides toward Advanced Sodium-Ion Batteries via a Combined Experimental and Theoretical Study. <i>Small Methods</i> , <b>2019</b> , 3, 1800183	12.8	20
133	Ferrous sulfide-assisted hollow carbon spheres as sulfur host for advanced lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , <b>2017</b> , 326, 1040-1047	14.7	19
132	Towards rational design of high performance Ni-rich layered oxide cathodes: The interplay of borate-doping and excess lithium. <i>Journal of Power Sources</i> , <b>2019</b> , 431, 40-47	8.9	19
131	Direct Demonstration of the Emergent Magnetism Resulting from the Multivalence Mn in a LaMnO <sub>3</sub> Epitaxial Thin Film System. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1800055	6.4	19
130	Atomic Characterization of Byproduct Nanoparticles on Cesium Lead Halide Nanocrystals Using High-Resolution Scanning Transmission Electron Microscopy. <i>Crystals</i> , <b>2018</b> , 8, 2	2.3	19
129	Uniform nucleation and epitaxy of bilayer molybdenum disulfide on sapphire.. <i>Nature</i> , <b>2022</b> , 605, 69-75	50.4	19

128	SbSI Nanocrystals: An Excellent Visible Light Photocatalyst with Efficient Generation of Singlet Oxygen. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 12166-12175	8.3	18
127	Magnetoelectricity coupled exchange bias in BaMnF <sub>4</sub> . <i>Scientific Reports</i> , <b>2015</b> , 5, 18392	4.9	18
126	Impurity induced non-bulk stacking in chemically exfoliated h-BN nanosheets. <i>Nanoscale</i> , <b>2013</b> , 5, 2290-47.7	4.7	18
125	Gate-tunable the interface properties of GaAs/WS <sub>2</sub> (1D/2D) vdWs heterojunction for high-responsivity, self-powered photodetector. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 041102	3.4	18
124	A Flexible Film toward High-Performance Lithium Storage: Designing Nanosheet-Assembled Hollow Single-Hole Ni-Co-Mn-O Spheres with Oxygen Vacancy Embedded in 3D Carbon Nanotube/Graphene Network. <i>Small</i> , <b>2019</b> , 15, e1901343	11	17
123	Effect of positive-charges in diphosphino-imidazolium salts on the structures of Ir-complexes and catalysis for hydroformylation. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 411, 337-343		17
122	Highly crystalline ReSe <sub>2</sub> atomic layers synthesized by chemical vapor transport. <i>Information Materials</i> , <b>2019</b> , 1, 552-558	23.1	17
121	Intrinsic ferromagnetism and quantum transport transition in individual Fe-doped BiSe topological insulator nanowires. <i>Nanoscale</i> , <b>2017</b> , 9, 12372-12378	7.7	16
120	Highly Durable and Active Ternary Pt <sub>3</sub> AuNi Electrocatalyst for Oxygen Reduction Reaction. <i>ChemCatChem</i> , <b>2018</b> , 10, 3049-3056	5.2	16
119	Synthesis of CrO /C catalysts for low temperature NH-SCR with enhanced regeneration ability in the presence of SO <sub>2</sub> . <i>RSC Advances</i> , <b>2018</b> , 8, 3858-3868	3.7	16
118	Improved memory functions in multiferroic tunnel junctions with a dielectric/ferroelectric composite barrier. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 232902	3.4	16
117	Electron energy loss spectroscopy of nano-scale CrAlN/CrN/CrAl(O)N/Cr(O)N multilayer coatings deposited by unbalanced magnetron sputtering. <i>Thin Solid Films</i> , <b>2010</b> , 518, 5121-5127	2.2	16
116	Efficient and recyclable Rh-catalytic system with involvement of phosphine-functionalized phosphonium-based ionic liquids for tandem hydroformylation/acetalization. <i>Green Energy and Environment</i> , <b>2017</b> , 2, 419-427	5.7	15
115	Aliovalent fluorine doping and anodization-induced amorphization enable bifunctional catalysts for efficient water splitting. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 10831-10838	13	15
114	Programmable Assembly of Nano-architectures through Designing Anisotropic DNA Origami Patches. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 6389-6396	16.4	15
113	Phosphonium-based aminophosphines as bifunctional ligands for sequential catalysis of one-pot hydroformylation/acetalization of olefins. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 3854-3861	5.5	15
112	Tuning carrier mobility without spin transport degrading in copper-phthalocyanine. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 042407	3.4	15
111	Optical Sectioning and Confocal Imaging and Analysis in the Transmission Electron Microscope. <i>Annual Review of Materials Research</i> , <b>2012</b> , 42, 125-143	12.8	15



110	Fast deterministic single-exposure coherent diffractive imaging at sub-ångström resolution. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	15
109	Bright-field scanning confocal electron microscopy using a double aberration-corrected transmission electron microscope. <i>Ultramicroscopy</i> , <b>2011</b> , 111, 877-86	3.1	15
108	Strengthening nitrogen affinity on CuAu@Cu core-shell nanoparticles with ultrathin Cu skin via strain engineering and ligand effect for boosting nitrogen reduction reaction. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 288, 119999	21.8	15
107	Electrochemical and Structural Analysis in All-Solid-State Lithium Batteries by Analytical Electron Microscopy: Progress and Perspectives. <i>Advanced Materials</i> , <b>2020</b> , 32, e1903747	24	14
106	Core-shell-shell heterostructures of $\text{MNaLuF}_4\text{:Yb/Er@NaLuF}_4\text{:Yb@MF}_2$ (M = Ca, Sr, Ba) with remarkably enhanced upconversion luminescence. <i>Dalton Transactions</i> , <b>2016</b> , 45, 11129-36	4.3	14
105	Promotion effect of water on hydroformylation of styrene and its derivatives with presence of amphiphilic zwitterionic phosphines. <i>Journal of Molecular Catalysis A</i> , <b>2015</b> , 407, 212-220		14
104	Voltage polarity manipulation of the magnetoresistance sign in organic spin valve devices. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 262402	3.4	14
103	Optimization of oxygen vacancy concentration in $\text{HfO}_2/\text{HfO}_x$ bilayer-structured ultrathin memristors by atomic layer deposition and their biological synaptic behavior. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 12478-12484	7.1	14
102	Hollow Electron Ptychographic Diffractive Imaging. <i>Physical Review Letters</i> , <b>2018</b> , 121, 146101	7.4	14
101	Reviving reversible anion redox in 3d-transition-metal Li rich oxides by introducing surface defects. <i>Nano Energy</i> , <b>2020</b> , 71, 104644	17.1	13
100	Electrical conduction mechanisms and effect of atmosphere annealing on the electrical properties of $\text{BiFeO}_3\text{-BaTiO}_3$ ceramics. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 4727-4734	6	13
99	Towards Sub-Angström Ptychographic Diffractive Imaging. <i>Microscopy and Microanalysis</i> , <b>2013</b> , 19, 706-707.5	7.5	13
98	Four-state non-volatile memory in a multiferroic spin filter tunnel junction. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 252903	3.4	13
97	Superior-capacity binder-free anode electrode for lithium-ion batteries: $\text{CoMnNiO}$ nanosheets with metal/oxygen vacancies directly formed on Cu foil. <i>Nanoscale</i> , <b>2019</b> , 11, 5080-5093	7.7	13
96	Improving the Electrochemical Properties of the Manganese-Based P3 Phase by Multiphasic Intergrowth. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 15584-15591	5.1	12
95	Epitaxial optimization of atomically smooth $\text{Sr}_3\text{Al}_2\text{O}_6$ for freestanding perovskite films by molecular beam epitaxy. <i>Thin Solid Films</i> , <b>2020</b> , 697, 137815	2.2	11
94	Effect of nitrogen-doped PtRu/graphene catalyst on its activity and durability for methanol oxidation. <i>Journal of Applied Electrochemistry</i> , <b>2016</b> , 46, 895-900	2.6	11
93	High-density switchable skyrmion-like polar nanodomains integrated on silicon.. <i>Nature</i> , <b>2022</b> , 603, 63-67.0.4	5.4	11

92	Strain engineering by atomic lattice locking in P2-type layered oxide cathode for high-voltage sodium-ion batteries. <i>Nano Energy</i> , <b>2020</b> , 76, 105061	17.1	10
91	Insight into the Structural Disorder in Honeycomb-Ordered Sodium-Layered Oxide Cathodes. <i>IScience</i> , <b>2020</b> , 23, 100898	6.1	10
90	Immobilization of a rhodium catalyst using a diphosphine-functionalized ionic liquid in RTIL for the efficient and recyclable biphasic hydroformylation of 1-octene. <i>Faraday Discussions</i> , <b>2016</b> , 190, 219-30	3.6	10
89	Ferroelectric Polarization-Modulated Interfacial Fine Structures Involving Two-Dimensional Electron Gases in Pb(Zr,Ti)O/LaAlO/SrTiO Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 1374-1382	9.5	10
88	Off-stoichiometric Li <sub>3</sub> -3V <sub>2</sub> +(PO <sub>4</sub> ) <sub>3</sub> /C as cathode materials for high-performance lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 293, 922-928	8.9	9
87	Atomically Resolved Scanning Confocal Electron Microscopy Using a Double Aberration-corrected Transmission Electron Microscope. <i>Microscopy and Microanalysis</i> , <b>2014</b> , 20, 376-377	0.5	9
86	Precipitate formations with self-adaptive elemental diffusion and segregation in T92 steel. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 693, 264-278	5.7	9
85	Three-dimensional elemental mapping of hollow Fe <sub>2</sub> O <sub>3</sub> @SiO <sub>2</sub> mesoporous spheres using scanning confocal electron microscopy. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 213117	3.4	9
84	Patterning the two dimensional electron gas at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface by structured Al capping. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 141603	3.4	8
83	High-resolution characterization of multiferroic heterojunction using aberration-corrected scanning transmission electron microscopy. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 171602	3.4	8
82	Revealing chemical processes and kinetics of drug action within single living cells via plasmonic Raman probes. <i>Scientific Reports</i> , <b>2017</b> , 7, 2296	4.9	8
81	Thickness-Dependent Asymmetric Potential Landscape and Polarization Relaxation in Ferroelectric Hf <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> Thin Films through Interfacial Bound Charges. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1900554	6.4	8
80	Influence of electrostatic repulsive force and electron-withdrawing effect in ionic diphosphine on regioselectivity of rhodium-catalyzed hydroformylation of 1-octene. <i>Journal of Molecular Catalysis A</i> , <b>2015</b> , 402, 37-45		8
79	High spatial resolution imaging of the segregation of reactive elements to oxide grain boundaries in alumina scales. <i>Materials at High Temperatures</i> , <b>2009</b> , 26, 293-298	1.1	8
78	Effect of Sodium Content on the Electrochemical Performance of Li-Substituted, Manganese-Based, Sodium-Ion Layered Oxide Cathodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 2191-2198	9.5	8
77	Mott insulator to metal transition driven by oxygen incorporation in epitaxial LaTiO <sub>3</sub> films. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 261604	3.4	8
76	Vertically Grown Few-Layer MoS Nanosheets on Hierarchical Carbon Nanocages for Pseudocapacitive Lithium Storage with Ultrahigh-Rate Capability and Long-Term Recyclability. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 3843-3848	4.8	8
75	Reducing Contact Resistance and Boosting Device Performance of Monolayer MoS by In-Situ Fe Doping.. <i>Advanced Materials</i> , <b>2022</b> , e2200885	24	8

74	Contrast in atomically resolved EF-SCEM imaging. <i>Ultramicroscopy</i> , <b>2013</b> , 134, 185-92	3.1	7
73	Image Contrast in Aberration-Corrected Scanning Confocal Electron Microscopy. <i>Advances in Imaging and Electron Physics</i> , <b>2010</b> , 162, 45-76	0.2	7
72	Atomically Resolved Electrically Active Intragrain Interfaces in Perovskite Semiconductors.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	7
71	Intercalation and hybrid heterostructure integration of two-dimensional atomic crystals with functional organic semiconductor molecules. <i>Nano Research</i> , <b>2020</b> , 13, 2917-2924	10	7
70	DNA origami single crystals with Wulff shapes. <i>Nature Communications</i> , <b>2021</b> , 12, 3011	17.4	7
69	Ferroelectricity in untwisted heterobilayers of transition metal dichalcogenides. <i>Science</i> , <b>2022</b> , 376, 973-978	3.3	7
68	Monodispersed Pt <sub>3</sub> Ni Nanoparticles as a Highly Efficient Electrocatalyst for PEMFCs. <i>Catalysts</i> , <b>2019</b> , 9, 588	4	6
67	Three-dimensional analysis of nanoparticles on carbon support using aberration-corrected scanning confocal electron microscopy. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 253108	3.4	6
66	Shear-resistant interface of layered oxide cathodes for sodium ion batteries. <i>Energy Storage Materials</i> , <b>2021</b> , 45, 389-389	19.4	6
65	Catalytic reduction of NO <sub>x</sub> by CO over a Ni <sub>2</sub> Co based oxide catalyst. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 15133-15140	13	5
64	Preparation and characterization of a flexible ferroelectric tunnel junction. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 222904	3.4	5
63	The potential ecological risk of multiwall carbon nanotubes was modified by the radicals resulted from peroxidase-mediated tetrabromobisphenol A reactions. <i>Environmental Pollution</i> , <b>2017</b> , 220, 264-273	9.3	5
62	Effect of Nb <sub>2</sub> O <sub>5</sub> Content on Microstructure and Dielectric Properties of Ba <sub>2-2x</sub> Na <sub>1-x</sub> Nb <sub>5</sub> O <sub>15-5x/2</sub> Ceramics. <i>International Journal of Modern Physics B</i> , <b>2003</b> , 17, 1273-1278	1.1	5
61	Integrating P <sub>2</sub> into O <sub>3</sub> toward a robust Mn-Based layered cathode for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 23820-23826	13	5
60	A general approach to realizing perovskite nanocrystals with insulating metal sulfate shells. <i>Nanoscale</i> , <b>2021</b> , 13, 10329-10334	7.7	5
59	Anchoring Copper Single Atoms on Porous Boron Nitride Nanofiber to Boost Selective Reduction of Nitroaromatics.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	5
58	Programmable Assembly of Nano-architectures through Designing Anisotropic DNA Origami Patches. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 6451-6458	3.6	4
57	FABRICATION OF LATERAL ORGANIC SPIN VALVES BASED ON La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> ELECTRODES. <i>Spin</i> , <b>2014</b> , 04, 1440008	1.3	4

56	A transmission electron microscopy study of CoFe <sub>2</sub> O <sub>4</sub> ferrite nanoparticles in silica aerogel matrix using HREM and STEM imaging and EDX spectroscopy and EELS. <i>Microscopy and Microanalysis</i> , <b>2010</b> , 16, 200-9	0.5	4
55	Metastable $\sqrt{5}\text{CsPbI}_3$ Perovskite Nanocrystals Created Using Aged Orthorhombic CsPbBr <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 7109-7118	3.8	4
54	Tuning carrier density at complex oxide interface with metallic overlayer. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 231603	3.4	4
53	Chemical strain-dependent two-dimensional transport at RAlO <sub>3</sub> /SrTiO <sub>3</sub> interfaces (R=La,Nd,Sm,and Gd). <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	4
52	Linear correlation between the c-axis lattice constant and superconducting critical temperature in FeSe <sub>0.5</sub> Te <sub>0.5</sub> thin films. <i>Materials Research Express</i> , <b>2020</b> , 7, 046002	1.7	4
51	High-Performance CVD MoS <sub>2</sub> Transistors with Self-Aligned Top-Gate and Bi Contact <b>2021</b> ,		4
50	Understanding the role of aluminium in determining the surface structure and electrochemical performance of layered cathodes. <i>Nanoscale</i> , <b>2019</b> , 11, 13007-13016	7.7	3
49	Enhancement of tunneling electroresistance by interfacial cation intermixing in ferroelectric tunnel junctions. <i>Applied Surface Science</i> , <b>2020</b> , 512, 145707	6.7	3
48	Strain-driven lattice distortion and the resultant magnetic properties of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /BaTiO <sub>3</sub> superlattices. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 201604	3.4	3
47	Scanning Transmission Electron Microscopy Study of the Evolution of Needle-Like Nanostructures in CoFe <sub>2</sub> O <sub>4</sub> and NiFe <sub>2</sub> O <sub>4</sub> Silica Nanocomposite Aerogels. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 5358-5365 <sup>3</sup>	3.8	3
46	Experimental setup for energy-filtered scanning confocal electron microscopy (EFSCEM) in a double aberration-corrected transmission electron microscope. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 241, 012012	0.3	3
45	Aberration corrected STEM of defects in epitaxial n=4 Ruddlesden-Popper phase Ca <sub>n+1</sub> Mn <sub>n</sub> O <sub>3n+1</sub> . <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 126, 012050	0.3	3
44	Microstructure and Dielectric Properties of Tungsten Bronze Structured KLN and BNN Ceramics: TiO <sub>2</sub> Effect. <i>International Journal of Modern Physics B</i> , <b>2003</b> , 17, 1267-1272	1.1	3
43	A facile method for precise layer number identification of two-dimensional materials through optical images. <i>Optics Communications</i> , <b>2019</b> , 440, 21-25	2	3
42	Large-Area Freestanding Weyl Semimetal WTe <sub>2</sub> Membranes. <i>Chinese Physics Letters</i> , <b>2021</b> , 38, 017101	1.8	3
41	Low Dose Defocused Probe Electron Ptychography Using a Fast Direct Electron Detector. <i>Microscopy and Microanalysis</i> , <b>2018</b> , 24, 186-187	0.5	3
40	Insights into the Enhanced Structural and Thermal Stabilities of Nb-Substituted Lithium-Rich Layered Oxide Cathodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 45619-45629	9.5	3
39	3D Electron Ptychography. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 1802-1803	0.5	2

38	Epitaxial growth of bronze phase titanium dioxide by molecular beam epitaxy. <i>AIP Advances</i> , <b>2019</b> , 9, 035230	1.5	2
37	An example of high-T, high-symmetry crystallization: Spherical (Mg,Fe)-oxides formed by particle attachment in the shocked martian meteorite Northwest Africa 7755. <i>American Mineralogist</i> , <b>2019</b> , 104, 150-157	2.9	2
36	Development of in situ optical-electrical MEMS platform for semiconductor characterization. <i>Ultramicroscopy</i> , <b>2018</b> , 194, 57-63	3.1	2
35	Fast and Low-dose Electron Ptychography. <i>Microscopy and Microanalysis</i> , <b>2018</b> , 24, 224-225	0.5	2
34	A perturbation theory study of electron vortices in electromagnetic fields: the case of infinitely long line charge and magnetic dipole. <i>Micron</i> , <b>2014</b> , 63, 9-14	2.3	2
33	Generalized Fourier Holography Meets Coherent Diffractive Imaging. <i>Microscopy Today</i> , <b>2015</b> , 23, 28-33	0.4	2
32	Reactive molecular beam epitaxial growth and in situ photoemission spectroscopy study of iridate superlattices. <i>AIP Advances</i> , <b>2017</b> , 7, 085307	1.5	2
31	Three-dimensional observation of SiO <sub>2</sub> hollow spheres with a double-shell structure using aberration-corrected scanning confocal electron microscopy. <i>Microscopy (Oxford, England)</i> , <b>2012</b> , 61, 159-69	1.3	2
30	Phasoid intergrowth between the double perovskite Sr <sub>2</sub> MgMoO <sub>6</sub> and the n = 2 R-P phase Sr <sub>3</sub> Mo <sub>2</sub> O <sub>7</sub> . <i>Solid State Ionics</i> , <b>2010</b> , 181, 889-893	3.3	2
29	Gram-Scale Synthesized Two-Dimensional VSe <sub>2</sub> and SnSe <sub>2</sub> for Ultrahigh Electrocatalytic Sulfion Recycling. <i>Advanced Materials Interfaces</i> , 2200060	4.6	2
28	Controllable Edge Epitaxy of Helical GeSe/GeS Heterostructures. <i>Nano Letters</i> ,	11.5	2
27	Structural and chemical characterization of novel NixZn <sub>1-x</sub> Ga <sub>2</sub> O <sub>4</sub> nanocatalysts at atomic resolution. <i>Applied Surface Science</i> , <b>2015</b> , 353, 419-424	6.7	1
26	Combination of transition metal Rh-catalysis and tautomeric catalysis through a bi-functional ligand for one-pot tandem methoxycarbonylation-aminolysis of olefins towards primary amides. <i>Journal of Catalysis</i> , <b>2018</b> , 361, 230-237	7.3	1
25	Energy Filtered Scanning Confocal Electron Microscopy in a Double Aberration-Corrected Transmission Electron Microscope. <i>Microscopy and Microanalysis</i> , <b>2009</b> , 15, 42-43	0.5	1
24	Anomalous Linear Layer-Dependent Blue Shift of Ultraviolet-Range Interband Transition in Two-Dimensional MoS <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 1609-1616	3.8	1
23	A P2@Tunnel Heterostructure Cathode for High-Performance Sodium-Ion Batteries. <i>ChemElectroChem</i> , <b>2020</b> , 7, 4383-4389	4.3	1
22	Experimental and theoretical studies of the ternary thiophosphate PbPS featuring ethane-like [PS] units. <i>Dalton Transactions</i> , <b>2020</b> , 49, 17221-17229	4.3	1
21	Non-invasive digital etching of van der Waals semiconductors.. <i>Nature Communications</i> , <b>2022</b> , 13, 1844	17.4	1

20	Two-Stage Assembly of Nanoparticle Superlattices with Multiscale Organization.. <i>Nano Letters</i> , <b>2022</b> ,	11.5	1
19	Electron ptychography using an ultrafast direct electron detector. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 20-21	0.5	0
18	Current Developments of Scanning Confocal Electron Microscopy in a Double Aberration-Corrected Transmission Electron Microscope. <i>Microscopy and Microanalysis</i> , <b>2012</b> , 18, 532-533	0.5	0
17	Three Dimensional Characterization of a Silica Hollow Sphere with an Iron Oxide Core by Annular Dark Field Scanning Confocal Electron Microscopy. <i>Microscopy and Microanalysis</i> , <b>2010</b> , 16, 1836-1837	0.5	0
16	Three-Dimensional Resolution Limits and Image Contrast Mechanisms in Scanning Confocal Electron Microscopy. <i>Microscopy and Microanalysis</i> , <b>2010</b> , 16, 1834-1835	0.5	0
15	Developing Multifunctional and High Resolution In-situ TEM Holders. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 1854-1855	0.5	
14	Low Dose Electron Ptychography for Cryo-biological Imaging. <i>Microscopy and Microanalysis</i> , <b>2020</b> , 26, 1488-1490	0.5	
13	Interface electron transfer and thickness dependent transport characteristics of LaSrVO thin films. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 245002	1.8	
12	Electron Ptychography: From 2D to 3D Reconstructions. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 346-347	0.5	
11	Nanohalos: a manifestation of electron channelling in gold nanoparticles. <i>Ultramicroscopy</i> , <b>2012</b> , 120, 10-5	3.1	
10	Imaging and diffraction characterisation of 2D inorganic nanostructures. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 371, 012071	0.3	
9	Three-Dimensional Crystal Structure Mapping by Diffractive Scanning Confocal Electron Microscopy (SCEM). <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 371, 012003	0.3	
8	Chromatic Confocal Electron Microscopy with a Finite Pinhole Size. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 371, 012002	0.3	
7	Establishment of Annular Dark-Field Scanning Confocal Electron Microscopy using a Double Aberration-Corrected Microscope. <i>Microscopy and Microanalysis</i> , <b>2010</b> , 16, 1888-1889	0.5	
6	Smart Acquisition EELS. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 241, 012010	0.3	
5	Aberration corrected STEM and EELS: Atomic scale chemical mapping <b>2008</b> , 1-2		
4	Characterizing soil mechanical response induced by drought climate using a novel micropenetrometer <b>2015</b> , 217-222		
3	Investigating the volume change characteristics of bentonite/sand mixture under hydro-mechanical coupling condition <b>2015</b> , 223-228		

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0.5