

# Jian-Mei Lu

## 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.

223  
papers

6,362  
citations

40  
h-index

68  
g-index

229  
ext. papers

8,394  
ext. citations

9  
avg. IF

6.39  
L-index

#	Paper	IF	Citations
223	Construction of polymer materials with specific responses to violet and green lights and their potential applications in an artificial visual memory system. <i>Journal of Materials Chemistry C</i> , <b>2022</b> , 10, 1653-1659	7.1	0
222	Preparation of a Bi <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> @W <sub>18</sub> O <sub>49</sub> /g-C <sub>3</sub> N <sub>4</sub> /PDI heterojunction with dual charge transfer paths and its photocatalytic performance for phenolic pollutants. <i>Separation and Purification Technology</i> , <b>2022</b> , 287, 120539	8.3	1
221	Pt-Co nanoparticles supported on hollow multi-shelled CeO as a catalyst for highly efficient toluene oxidation: Morphology control and the role of bimetal synergism. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 608, 48-59	9.3	2
220	Efficient removal of Bisphenol A in water via piezocatalytic degradation by equivalent-vanadium-doped SrTiO <sub>3</sub> nanofibers. <i>Chemical Engineering Science</i> , <b>2022</b> , 247, 116707	4.4	7
219	Ultrathin Two-Dimensional BiOCl with Oxygen Vacancies Anchored in Three-Dimensional Porous g-C <sub>3</sub> N <sub>4</sub> to Construct a Hierarchical Z-Scheme Heterojunction for the Photocatalytic Degradation of NO. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2022</b> , 61, 317-329	3.9	2
218	Cu, Co embedded N-enriched mesoporous carbon cathode catalyst for the efficient bioelectrochemical removal of phenanthrene in microbial fuel cell. <i>Applied Surface Science</i> , <b>2022</b> , 153759	6.7	
217	Construction of covalent-integrated MOFs@COFs composite material for efficient synergistic adsorption and degradation of pollutants. <i>Chemical Engineering Journal</i> , <b>2022</b> , 446, 137095	14.7	1
216	Metal-organic frameworks-derived manganese trioxide with uniformly loaded ultrasmall platinum nanoparticles boosting benzene combustion. <i>Science of the Total Environment</i> , <b>2022</b> , 839, 156345	10.2	0
215	Layer-by-Layer Assembly of Monolayer Films Precisely Controlled by LB Technology to Realize Low-Energy Consumption and High-Stability Ternary Data-Storage Devices. <i>Chemistry - an Asian Journal</i> , <b>2021</b> , 16, 3951-3956	4.5	
214	Fabrication of an FAPbBr <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunction to enhance NO removal efficiency under visible-light irradiation. <i>Chemical Engineering Journal</i> , <b>2021</b> , 132968	14.7	1
213	Mil-53(Fe)-loaded polyacrylonitrile membrane with superamphiphilicity and double hydrophobicity for effective emulsion separation and photocatalytic dye degradation. <i>Separation and Purification Technology</i> , <b>2021</b> , 282, 119910	8.3	3
212	Toward Highly Robust Nonvolatile Multilevel Memory by Fine Tuning of the Nanostructural Crystalline Solid-State Order. <i>Small</i> , <b>2021</b> , 17, e2100102	11	9
211	Ultrasensitive humidity sensing using one-dimensional Pd conjugated coordination polymers for breath monitoring. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 330, 129353	8.5	10
210	Flower-like Pt/Fe <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> Catalysts for Highly Efficient Low-Temperature Catalytic Oxidation of Toluene. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 5471-5481	3.9	3
209	Surfactant-Free, One-Step Synthesis of Lead-Free Perovskite Hollow Nanospheres for Trace CO Detection. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100674	24	4
208	An Ion-In-Conjugation-Boosted Organic Semiconductor Gas Sensor Operating at High Temperature and Immune to Moisture. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 15456-15462	3.6	
207	An Ion-In-Conjugation-Boosted Organic Semiconductor Gas Sensor Operating at High Temperature and Immune to Moisture. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 15328-15334	16.4	5

206	AIE-based fluorescent sensors for low concentration toxic ion detection in water. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 403, 123656	12.8	24
205	Z-Scheme 2D/2D Fe <sub>2</sub> O <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunction for photocatalytic oxidation of nitric oxide. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 280, 119409	21.8	95
204	Overview of electric-field-induced deposition technology in fabricating organic thin films. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 374-394	7.1	10
203	A π-stacking perylene imide/BiWO hybrid with dual transfer approach for enhanced photocatalytic degradation. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 582, 1021-1032	9.3	7
202	Isomerization change and charge trap double mechanisms induced ternary data storage performance. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 569-574	7.1	3
201	Comprehensive understanding of the structure-stacking property correlation to achieve high-performance ternary data-storage devices. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 3176-3183	7.8	3
200	Naphthalimide-Based Hydrazone Derivatives: Synthesis, Mechanochromism in the Solid State and Response to Ions in Dilute Solutions. <i>ChemPlusChem</i> , <b>2021</b> , 86, 103-109	2.8	2
199	One-step fabrication of bimetallic CuCoOS as an efficient catalyst for Cr(VI) reduction. <i>Environmental Science: Nano</i> , <b>2021</b> , 8, 2453-2463	7.1	0
198	Enhanced Photocatalytic Oxidation of Nitric Oxide to MOF-derived Hollow Bimetallic Oxide Microcubes Supported on g-C <sub>3</sub> N <sub>4</sub> Nanosheets via p-n Heterojunction. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 2921-2930	3.9	6
197	A highly dispersed Pt/copper modified-MnO <sub>2</sub> catalyst for the complete oxidation of volatile organic compounds: The effect of oxygen species on the catalytic mechanism. <i>Green Energy and Environment</i> , <b>2021</b> ,	5.7	3
196	Application of ion-in-conjugation molecules in resistive memories and gas sensors: The role of conjugation. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 2463-2468	8.1	1
195	SuFExable polymers with helical structures derived from thionyl tetrafluoride. <i>Nature Chemistry</i> , <b>2021</b> , 13, 858-867	17.6	12
194	Metalloporphyrin-based D-A type conjugated organic polymer nanotube for efficient photocatalytic degradation. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 291, 120108	21.8	14
193	Lead-Free Halide CsPtl Perovskite Favoring Pt-N Bonding for Trace NO Detection. <i>ACS Sensors</i> , <b>2021</b> , 6, 3800-3807	9.2	1
192	Low Temperature Combustion of VOCs with Enhanced Catalytic Activity Over MnO Nanotubes Loaded with Pt and Ni-Fe Spinel. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 46830-46839	9.5	3
191	Side-Chain Type Polysulfates: Their Synthesis, AIE Properties and Applications for p-Nitrophenol Detection in Water. <i>Chemistry - an Asian Journal</i> , <b>2021</b> , 16, 3202-3208	4.5	0
190	Built-in Electric Field Triggered Interfacial Accumulation Effect for Efficient Nitrate Removal at Ultra-Low Concentration and Electroreduction to Ammonia. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 22933-22939	16.4	19
189	Built-in Electric Field Triggered Interfacial Accumulation Effect for Efficient Nitrate Removal at Ultra-Low Concentration and Electroreduction to Ammonia. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 23115	3.6	0

188	3D hollow MXene@ZnInS heterojunction with rich zinc vacancies for highly efficient visible-light photocatalytic reduction. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 598, 398-408	9.3	9
187	Position isomerization-induced better planarity and sensory performances in croconate polymers. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 345, 130317	8.5	1
186	Construction of a ternary Z-scheme In <sub>2</sub> S <sub>3</sub> @Au@P3HT photocatalyst for the degradation of phenolic pollutants under visible light. <i>Separation and Purification Technology</i> , <b>2021</b> , 272, 118787	8.3	12
185	High-performance anode material based on S and N co-doped graphene/iron carbide nanocomposite for microbial fuel cells. <i>Journal of Power Sources</i> , <b>2021</b> , 512, 230482	8.9	8
184	Construction of ultra-thin 2D CN-Br <sub>0.12</sub> /2%RhOx photo-catalyst with rapid electron and hole separation for efficient bisphenol A degradation. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 299, 120623	21.8	7
183	NiCo Alloy Nanoparticles on a N/C Dual-Doped Matrix as a Cathode Catalyst for Improved Microbial Fuel Cell Performance. <i>Small</i> , <b>2021</b> , e2106355	11	2
182	Fabrication of One-Dimensional Organic Nanofiber Networks Electrophoretic Deposition for a Nonvolatile Memory Device. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 57254-57263	9.5	5
181	TPE-containing amphiphilic block copolymers: synthesis and application in the detection of nitroaromatic pollutants. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 7244-7252	4.9	11
180	Direct Dual Z-Scheme Bi <sub>2</sub> WO <sub>6</sub> /GQDs/WO <sub>3</sub> Inverse Opals for Enhanced Photocatalytic Activities under Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 7921-7927	8.3	27
179	Polysquaramides: Rapid and stable humidity sensing for breath monitoring and morse code communication. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 320, 128390	8.5	15
178	Recent advances in organic-based materials for resistive memory applications. <i>Information Materials</i> , <b>2020</b> , 2, 995-1033	23.1	58
177	Hierarchical core-shell heterostructures of ZnInS nanosheets on electrospun InO nanofibers with highly enhanced photocatalytic activity. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 398, 122889	12.8	36
176	Conjugated zwitterion-inspired flexible ternary resistive memory from rhodamine dyes. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 7658-7662	7.1	4
175	Z-scheme photocatalytic NO removal on a 2D/2D iodine doped BiOIO/g-CN under visible-light irradiation. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 576, 426-434	9.3	20
174	Conjugate Polymer-clothed TiO@VO nanobelts and their enhanced visible light photocatalytic performance in water remediation. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 578, 402-411	9.3	20
173	Rh-Doped SrTiO <sub>3</sub> inverse opal with piezoelectric effect for enhanced visible-light-driven photodegradation of bisphenol A. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 2267-2277	7.1	7
172	Controllable and Versatile Electrophoretic Deposition Technology for Monolithic Organic Memory Devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 15482-15490	9.5	17
171	Efficient reduction of Cr(VI) by a BMO/BiS heterojunction via synergistic adsorption and photocatalysis under visible light. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 400, 123243	12.8	43

170	Construction of Pd-Modified NiCoOx Hollow Nanospheres with Surface Hydroxyls and Oxygen Vacancies for Highly Enhanced Catalytic Toluene Oxidation Activity. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 10581-10587	8.3	8
169	Solvent Vapor Annealing Upgraded Orderly Intermolecular Stacking and Crystallinity to Enhance Memory Device Performance. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 2493-2498	4.5	3
168	Highly Efficient Catalysts of Bimetallic Pt-Ru Nanocrystals Supported on Ordered ZrO Nanotube for Toluene Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 13781-13789	9.5	16
167	Scaled conductance quantization unravels the switching mechanism in organic ternary resistive memories. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 2964-2969	7.1	5
166	Construction of Hierarchical Hollow Co <sub>9</sub> S <sub>8</sub> /ZnIn <sub>2</sub> S <sub>4</sub> Tubular Heterostructures for Highly Efficient Solar Energy Conversion and Environmental Remediation. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 8332-8338	3.6	27
165	Construction of Hierarchical Hollow Co S /ZnIn S Tubular Heterostructures for Highly Efficient Solar Energy Conversion and Environmental Remediation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 8255-8261	16.4	115
164	Preparation of aryl polysulfonates via a highly efficient SuFEx click reaction, their controllable degradation and functionalized behavior. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 3120-3124	4.9	7
163	Electrophoretic Deposition of Salinized Organic Molecules Inducing Desirable Intermolecular Packing Style for Improving Sandwiched Device Electrical Performance. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 26249-26257	3.8	3
162	A mini-review on ZnIn <sub>2</sub> S <sub>4</sub> -Based photocatalysts for energy and environmental application. <i>Green Energy and Environment</i> , <b>2020</b> , 7, 176-176	5.7	10
161	Flexible Ternary Resistive Memory from Organic Bulk Heterojunction. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 1900681	6.8	3
160	Hierarchical Z-scheme g-C <sub>3</sub> N <sub>4</sub> /Au/ZnIn <sub>2</sub> S <sub>4</sub> photocatalyst for highly enhanced visible-light photocatalytic nitric oxide removal and carbon dioxide conversion. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 676-687	7.1	50
159	AIE-active polysulfates via a sulfur(VI) fluoride exchange (SuFEx) click reaction and investigation of their two-photon fluorescence and cyanide detection in water and in living cells. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 1033-1042	4.9	12
158	Controlled fabrication of mesoporous ZSM-5 zeolite-supported PdCu alloy nanoparticles for complete oxidation of toluene. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 265, 118560	21.8	27
157	Surface Engineering of g-C <sub>3</sub> N <sub>4</sub> by Stacked BiOBr Sheets Rich in Oxygen Vacancies for Boosting Photocatalytic Performance. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 4549-4554	3.6	19
156	Surface Engineering of g-C <sub>3</sub> N <sub>4</sub> by Stacked BiOBr Sheets Rich in Oxygen Vacancies for Boosting Photocatalytic Performance. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 4519-4524	16.4	141
155	An ion-in-conjugation polymer enables the detection of NO <sub>2</sub> with parts-per-trillion sensitivity and ultrahigh selectivity. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 1052-1058	13	14
154	Lead-free perovskite MASnBr <sub>3</sub> -based memristor for quaternary information storage. <i>Information Materials</i> , <b>2020</b> , 2, 743-751	23.1	36
153	Visible-light-driven amino acids production from biomass-based feedstocks over ultrathin CdS nanosheets. <i>Nature Communications</i> , <b>2020</b> , 11, 4899	17.4	42

152	Recent progress in the usage of tetrabromo-substituted naphthalenetetracarboxylic dianhydride as a building block to construct organic semiconductors and their applications. <i>Organic Chemistry Frontiers</i> , <b>2020</b> , 7, 3001-3026	5.2	12
151	Surface Functionalization of Single-Layered TiCT MXene and Its Application in Multilevel Resistive Memory. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 9865-9871	9.5	33
150	Hollow SnO <sub>2</sub> nanotubes decorated with ZnIn <sub>2</sub> S <sub>4</sub> nanosheets for enhanced visible-light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 843, 155772	5.7	14
149	Nanocage-Shaped Co Zr O Solid-Solution Supports Loaded with Pt Nanoparticles as Effective Catalysts for the Enhancement of Toluene Oxidation. <i>Small</i> , <b>2020</b> , 16, e2005715	11	3
148	A lead-free Cs <sub>2</sub> PdBr <sub>6</sub> perovskite-based humidity sensor for artificial fruit waxing detection. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 17675-17682	13	21
147	All-Inorganic Ionic Polymer-Based Memristor for High-Performance and Flexible Artificial Synapse. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2004245	15.6	15
146	Modified-MOF-808-Loaded Polyacrylonitrile Membrane for Highly Efficient, Simultaneous Emulsion Separation and Heavy Metal Ion Removal. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 39227-39235	9.5	35
145	Polymer-Coated Fe <sub>2</sub> O <sub>3</sub> Nanoparticles for Photocatalytic Degradation of Organic Materials and Antibiotics in Water. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 9200-9208	5.6	15
144	The incorporation of the ionization effect in organic semiconductors assists in triggering multilevel resistive memory behaviors. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 3280-3289	7.8	6
143	Solvent Vapor Annealing Guides Molecules to Form a Desired Stacking Mode According to the Characteristics of the Molecular Structure. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 18868-18876	3.8	1
142	Platinum-Supported Zirconia Nanotube Arrays Supported on Graphene Aerogels Modified with Metal-Organic Frameworks: Adsorption and Oxidation of Formaldehyde at Room Temperature. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 16718	4.8	7
141	Hollow In <sub>2</sub> O <sub>3</sub> @ZnFe <sub>2</sub> O <sub>4</sub> heterojunctions for highly efficient photocatalytic degradation of tetracycline under visible light. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 3123-3132	7.1	33
140	Rational Modification of Small Molecules with High Device Reproducibility Induced by Improved Interfacial Contact through Intermolecular Hydrogen Bonds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 37973-37980	9.5	4
139	Durable and Robust Self-Healing Superhydrophobic Co-PDMS@ZIF-8-Coated MWCNT Films for Extremely Efficient Emulsion Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 38313-38320	9.5	31
138	Engineering black phosphorus to porous g-C <sub>3</sub> N <sub>4</sub> -metal-organic framework membrane: a platform for highly boosting photocatalytic performance. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 4408-4414	13	51
137	One-Step Fabrication of Bio-Compatible Coordination Complex Film on Diverse Substrates for Ternary Flexible Memory. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 4808-4813	4.8	7
136	Ultrasensitive and robust organic gas sensors through dual hydrogen bonding. <i>Materials Horizons</i> , <b>2019</b> , 6, 554-562	14.4	28
135	ZIF-67-Derived 3D Hollow Mesoporous Crystalline Co O Wrapped by 2D g-C N Nanosheets for Photocatalytic Removal of Nitric Oxide. <i>Small</i> , <b>2019</b> , 15, e1902291	11	59



134	Eye-Readable Detection and Oxidation of CO with a Platinum-Based Catalyst and a Binuclear Rhodium Complex. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 12258-12263	16.4	9
133	Tuning of electron density distribution on molecular conjugated skeleton to improve intermolecular aggregation style and device memory performance. <i>Organic Electronics</i> , <b>2019</b> , 73, 255-260	3.5	8
132	One-dimensional $\pi$ conjugated coordination polymers: synthesis and their improved memory performance. <i>Science China Chemistry</i> , <b>2019</b> , 62, 753-760	7.9	14
131	Tuning the Microstructure of Donor/Acceptor Blend Films To Achieve High-Performance Ternary Data-Storage Devices. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 12154-12160	3.8	9
130	Amorphous Spiro-OMeTAD Prepared Flexible Films with Surface Engineering Boost Ternary Resistive Memory Yield to 86%. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1800964	6.4	4
129	Fabrication of Bi <sub>2</sub> MoO <sub>6</sub> /ZnO hierarchical heterostructures with enhanced visible-light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 250, 313-324	21.8	205
128	One-step in-situ preparation of N-doped TiO <sub>2</sub> @C derived from Ti <sub>3</sub> C <sub>2</sub> MXene for enhanced visible-light driven photodegradation. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 251, 154-161	21.8	164
127	Construction of g-C <sub>3</sub> N <sub>4</sub> /PDI@MOF heterojunctions for the highly efficient visible light-driven degradation of pharmaceutical and phenolic micropollutants. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 250, 150-162	21.8	165
126	Robust and durable self-healing superhydrophobic polymer-coated MWCNT film for highly efficient emulsion separation. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 1259-1266	7.1	23
125	Terminal amino monomethylation-triggered intermolecular H- to J-aggregations to realize tunable memory devices. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 4863-4869	7.1	8
124	AI Egens-lightened Functional Polymers: Synthesis, Properties and Applications. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2019</b> , 37, 302-326	3.5	25
123	Independent Memcapacitive Switching Triggered by Bromide Ion Migration for Quaternary Information Storage. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806424	24	22
122	Eye-Readable Detection and Oxidation of CO with a Platinum-Based Catalyst and a Binuclear Rhodium Complex. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 12386-12391	3.6	4
121	Tunable Electronic Memory Performances Based on Poly(Triphenylamine) and Its Metal Complex via a SuFEx Click Reaction. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 4296-4302	4.5	7
120	Solvent-Vapor Annealing of Amphiphile/Metal Interface for Orientated Molecular Stacking and Upgraded Resistive Memory Performance. <i>Macromolecular Chemistry and Physics</i> , <b>2019</b> , 220, 1900334	2.6	7
119	Nanostructured Metal-Organic Conjugated Coordination Polymers with Ligand Tailoring for Superior Rechargeable Energy Storage. <i>Small</i> , <b>2019</b> , 15, e1903188	11	40
118	Environmentally Robust Memristor Enabled by Lead-Free Double Perovskite for High-Performance Information Storage. <i>Small</i> , <b>2019</b> , 15, e1905731	11	64
117	Highly Robust Organometallic Small-Molecule-Based Nonvolatile Resistive Memory Controlled by a Redox-Gated Switching Mechanism. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 40332-40338	9.5	34

116	Controlled deposition of large-area and highly-ordered thin films: effect of dip-coating-induced morphological evolution on resistive memory performance. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 3512-3521	7.1	32
115	High quality fullerene film based on electrophoresis deposition for RRAM device application. <i>Organic Electronics</i> , <b>2019</b> , 66, 70-75	3.5	7
114	Z-Scheme 2D/2D Heterojunction of Black Phosphorus/Monolayer Bi <sub>2</sub> WO <sub>6</sub> Nanosheets with Enhanced Photocatalytic Activities. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 2095-2099	3.6	50
113	Z-Scheme 2D/2D Heterojunction of Black Phosphorus/Monolayer Bi WO Nanosheets with Enhanced Photocatalytic Activities. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 2073-2077	16.4	266
112	Hollow Mesoporous Co O -CeO Composite Nanotubes with Open Ends for Efficient Catalytic CO Oxidation. <i>ChemSusChem</i> , <b>2019</b> , 12, 1084-1090	8.3	23
111	Integration of 3D macroscopic graphene aerogel with 0D-2D AgVO <sub>3</sub> -g-C <sub>3</sub> N <sub>4</sub> heterojunction for highly efficient photocatalytic oxidation of nitric oxide. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 243, 576-584	21.8	39
110	Morphology-controlled fabrication of CNT@MoS <sub>2</sub> /SnS <sub>2</sub> nanotubes for promoting photocatalytic reduction of aqueous Cr(VI) under visible light. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 784, 282-292	5.7	27
109	Detection of NO Down to One ppb Using Ion-in-Conjugation-Inspired Polymer. <i>Small</i> , <b>2019</b> , 15, e1803896	1	14
108	3D Gold-Modified Cerium and Cobalt Oxide Catalyst on a Graphene Aerogel for Highly Efficient Catalytic Formaldehyde Oxidation. <i>Small</i> , <b>2019</b> , 15, e1804415	11	7
107	The Effect of Random and Block Copolymerization with Pendent Carbazole Donors and Naphthalimide Acceptors on Multilevel Memory Performance. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 853-860	4.5	7
106	Effects of Single Atom N-Substitution in the Molecular Skeleton on Fabricated Film Quality and Memory Device Performance. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 1432-1436	3.5	7
105	Thiadizoloquinoxaline-Based N-Heteroacenes as Active Elements for High-Density Data-Storage Device. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 15971-15979	9.5	30
104	Improved Molecular Stacking and Data-Storage Performance of Pyridine- and Pyrimidine-Substituted Small Molecules. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800568	15.6	18
103	Engineering 3D Ru/Graphene Aerogel Using Metal-Organic Frameworks: Capture and Highly Efficient Catalytic CO Oxidation at Room Temperature. <i>Small</i> , <b>2018</b> , 14, e1800343	11	23
102	3D Aerogel of Graphitic Carbon Nitride Modified with Perylene Imide and Graphene Oxide for Highly Efficient Nitric Oxide Removal under Visible Light. <i>Small</i> , <b>2018</b> , 14, e1800416	11	52
101	Pseudohalide-Induced 2D (CH <sub>3</sub> NH <sub>2</sub> ) <sub>2</sub> Pb(SCN) <sub>2</sub> Perovskite for Ternary Resistive Memory with High Performance. <i>Small</i> , <b>2018</b> , 14, e1703667	11	65
100	AgBr-loaded hollow porous carbon nitride with ultrahigh activity as visible light photocatalysts for water remediation. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 229, 155-162	21.8	30
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94	Sulfur (VI) Fluoride Exchange Polymerization for Large Conjugate Chromophores and Functional Main-Chain Polysulfates with Nonvolatile Memory Performance. <i>ChemPlusChem</i> , <b>2018</b> , 83, 407-413	2.8	9
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92	Polysquaraines: Novel humidity sensor materials with ultra-high sensitivity and good reversibility. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 255, 1147-1152	8.5	36
91	Hierarchical Titanium Dioxide Nanowire/Metal-Organic Framework/Carbon Nanofiber Membranes for Highly Efficient Photocatalytic Degradation of Hydrogen Sulfide. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 15019-15025	4.8	16
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