Jian-Mei Lu

List of Publications by Citations

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	Z-Scheme 2D/2D Heterojunction of Black Phosphorus/Monolayer Bi WO Nanosheets with Enhanced Photocatalytic Activities. *Angewandte Chemie - International Edition*, **2019**, 58, 2073-2077	16.4	266
222	Fabrication of Bi2MoO6/ZnO hierarchical heterostructures with enhanced visible-light photocatalytic activity. *Applied Catalysis B: Environmental*, **2019**, 250, 313-324	21.8	205
221	Synthesis, characterization, and nonvolatile ternary memory behavior of a larger heteroacene with nine linearly fused rings and two different heteroatoms. *Journal of the American Chemical Society*, **2013**, 135, 14086-9	16.4	175
220	Preparation of ZnIn2S4 nanosheet-coated CdS nanorod heterostructures for efficient photocatalytic reduction of Cr(VI). *Applied Catalysis B: Environmental*, **2018**, 232, 164-174	21.8	167
219	Construction of g-C3N4/PDI@MOF heterojunctions for the highly efficient visible light-driven degradation of pharmaceutical and phenolic micropollutants. *Applied Catalysis B: Environmental*, **2019**, 250, 150-162	21.8	165
218	One-step in-situ preparation of N-doped TiO2@C derived from Ti3C2 MXene for enhanced visible-light driven photodegradation. *Applied Catalysis B: Environmental*, **2019**, 251, 154-161	21.8	164
217	A small-molecule-based ternary data-storage device. *Journal of the American Chemical Society*, **2010**, 132, 5542-3	16.4	158
216	Surface Engineering of g-C N by Stacked BiOBr Sheets Rich in Oxygen Vacancies for Boosting Photocatalytic Performance. *Angewandte Chemie - International Edition*, **2020**, 59, 4519-4524	16.4	141
215	Bifluoride-catalysed sulfur(VI) fluoride exchange reaction for the synthesis of polysulfates and polysulfonates. *Nature Chemistry*, **2017**, 9, 1083-1088	17.6	140
214	Conductivity switching and electronic memory effect in polymers with pendant azobenzene chromophores. *ACS Applied Materials & Interfaces*, **2009**, 1, 60-71	9.5	119
213	Tailoring of molecular planarity to reduce charge injection barrier for high-performance small-molecule-based ternary memory device with low threshold voltage. *Advanced Materials*, **2012**, 24, 6210-5	24	116
212	Construction of Hierarchical Hollow Co S /ZnIn S Tubular Heterostructures for Highly Efficient Solar Energy Conversion and Environmental Remediation. *Angewandte Chemie - International Edition*, **2020**, 59, 8255-8261	16.4	115
211	Synthesis, physical properties, and light-emitting diode performance of phenazine-based derivatives with three, five, and nine fused six-membered rings. *Journal of Organic Chemistry*, **2015**, 80, 3030-5	4.2	110
210	Micro-Nanocomposites in Environmental Management. *Advanced Materials*, **2016**, 28, 10443-10458	24	103
209	Z-Scheme 2D/2D □Fe2O3/g-C3N4 heterojunction for photocatalytic oxidation of nitric oxide. *Applied Catalysis B: Environmental*, **2021**, 280, 119409	21.8	95
208	Rational Design of Small Molecules to Implement Organic Quaternary Memory Devices. *Advanced Functional Materials*, **2016**, 26, 146-154	15.6	80
207	SuFEx-Based Polysulfonate Formation from Ethenesulfonyl Fluoride-Amine Adducts. *Angewandte Chemie - International Edition*, **2017**, 56, 11203-11208	16.4	77

206	Multilevel conductance switching of a memory device induced by enhanced intermolecular charge transfer. *Advanced Materials*, **2015**, 27, 5968-73	24	70
205	Flexible Electrospun Carbon Nanofiber/Tin(IV) Sulfide Core/Sheath Membranes for Photocatalytically Treating Chromium(VI)-Containing Wastewater. *ACS Applied Materials & Interfaces*, **2016**, 8, 28671-28677	9.5	68
204	In situ fabrication of Bi2O2CO3/MoS2 on carbon nanofibers for efficient photocatalytic removal of NO under visible-light irradiation. *Applied Catalysis B: Environmental*, **2017**, 217, 224-231	21.8	67
203	Pseudohalide-Induced 2D (CH NH) PbI (SCN) Perovskite for Ternary Resistive Memory with High Performance. *Small*, **2018**, 14, e1703667	11	65
202	Environmentally Robust Memristor Enabled by Lead-Free Double Perovskite for High-Performance Information Storage. *Small*, **2019**, 15, e1905731	11	64
201	Controlling Crystallite Orientation of Diketopyrrolopyrrole-Based Small Molecules in Thin Films for Highly Reproducible Multilevel Memory Device: Role of Furan Substitution. *Advanced Functional Materials*, **2015**, 25, 4246-4254	15.6	63
200	The AIEE effect and two-photon absorption (TPA) enhancement induced by polymerization: synthesis of a monomer with ICT and AIE effects and its homopolymer by ATRP and a study of their photophysical properties. *Journal of Materials Chemistry C*, **2013**, 1, 2599	7.1	60
199	ZIF-67-Derived 3D Hollow Mesoporous Crystalline Co O Wrapped by 2D g-C N Nanosheets for Photocatalytic Removal of Nitric Oxide. *Small*, **2019**, 15, e1902291	11	59
198	Molecular length adjustment for organic azo-based nonvolatile ternary memory devices. *Journal of Materials Chemistry*, **2012**, 22, 16582		59
197	Urchin-Inspired TiO2@MIL-101 Double-Shell Hollow Particles: Adsorption and Highly Efficient Photocatalytic Degradation of Hydrogen Sulfide. *Chemistry of Materials*, **2017**, 29, 5612-5616	9.6	58
196	Recent advances in organic-based materials for resistive memory applications. *Informa□□Materi□y*, **2020**, 2, 995-1033	23.1	58
195	Synthesis of tetranitro-oxacalix[4]arene with oligoheteroacene groups and its nonvolatile ternary memory performance. *Materials Horizons*, **2014**, 1, 446-451	14.4	58
194	SnS/SnO heterostructured nanosheet arrays grown on carbon cloth for efficient photocatalytic reduction of Cr(VI). *Journal of Colloid and Interface Science*, **2018**, 514, 306-315	9.3	56
193	1D □d Conjugated Coordination Polymers for Multilevel Memory of Long-Term and High-Temperature Stability. *Advanced Electronic Materials*, **2017**, 3, 1700107	6.4	54
192	3D Aerogel of Graphitic Carbon Nitride Modified with Perylene Imide and Graphene Oxide for Highly Efficient Nitric Oxide Removal under Visible Light. *Small*, **2018**, 14, e1800416	11	52
191	Engineering black phosphorus to porous g-C3N4-metal□rganic framework membrane: a platform for highly boosting photocatalytic performance. *Journal of Materials Chemistry A*, **2019**, 7, 4408-4414	13	51
190	Initiator-lightened polymers: preparation of end-functionalized polymers by ATRP and their intramolecular charge transfer and aggregation-induced emission. *Chemical Communications*, **2012**, 48, 10234-6	5.8	51
189	Hierarchical Z-scheme g-C3N4/Au/ZnIn2S4 photocatalyst for highly enhanced visible-light photocatalytic nitric oxide removal and carbon dioxide conversion. *Environmental Science: Nano*, **2020**, 7, 676-687	7.1	50

188	Z-Scheme 2D/2D Heterojunction of Black Phosphorus/Monolayer Bi2WO6 Nanosheets with Enhanced Photocatalytic Activities. *Angewandte Chemie*, **2019**, 131, 2095-2099	3.6	50
187	Efficient reduction of Cr(VI) by a BMO/BiS heterojunction via synergistic adsorption and photocatalysis under visible light. *Journal of Hazardous Materials*, **2020**, 400, 123243	12.8	43
186	Visible-light-driven amino acids production from biomass-based feedstocks over ultrathin CdS nanosheets. *Nature Communications*, **2020**, 11, 4899	17.4	42
185	3D ordered MoP inverse opals deposited with CdS quantum dots for enhanced visible light photocatalytic activity. *Applied Catalysis B: Environmental*, **2018**, 238, 255-262	21.8	42
184	Nanostructured Metal-Organic Conjugated Coordination Polymers with Ligand Tailoring for Superior Rechargeable Energy Storage. *Small*, **2019**, 15, e1903188	11	40
183	Integration of 3D macroscopic graphene aerogel with 0D-2D AgVO3-g-C3N4 heterojunction for highly efficient photocatalytic oxidation of nitric oxide. *Applied Catalysis B: Environmental*, **2019**, 243, 576-584	21.8	39
182	Effect of a □spacer between a donor and an acceptor on small molecule-based data-storage device performance. *Chemical Communications*, **2013**, 49, 9470-2	5.8	38
181	Adjustment of charge trap number and depth in molecular backbone to achieve tunable multilevel data storage performance. *Journal of Materials Chemistry C*, **2013**, 1, 2320	7.1	38
180	Thermally Stable Ternary Data-Storage Device Based on Twisted Anthraquinone Molecular Design. *Journal of Physical Chemistry C*, **2012**, 116, 22832-22839	3.8	38
179	Nonlinear optical properties and memory effects of the azo polymers carrying different substituents. *Dyes and Pigments*, **2011**, 88, 18-24	4.6	38
178	Hierarchical core-shell heterostructures of ZnInS nanosheets on electrospun InO nanofibers with highly enhanced photocatalytic activity. *Journal of Hazardous Materials*, **2020**, 398, 122889	12.8	36
177	Polysquaraines: Novel humidity sensor materials with ultra-high sensitivity and good reversibility. *Sensors and Actuators B: Chemical*, **2018**, 255, 1147-1152	8.5	36
176	Effects of gradual oxidation of aromatic sulphur-heterocycle derivatives on multilevel memory data storage performance. *Journal of Materials Chemistry C*, **2015**, 3, 2033-2039	7.1	36
175	Lead-free perovskite MASnBr3-based memristor for quaternary information storage. *Informa□□ Materi□y*, **2020**, 2, 743-751	23.1	36
174	Modified-MOF-808-Loaded Polyacrylonitrile Membrane for Highly Efficient, Simultaneous Emulsion Separation and Heavy Metal Ion Removal. *ACS Applied Materials & Interfaces*, **2020**, 12, 39227-39235	9.5	35
173	Surface modification of polysquaraines to sense humidity within a second for breath monitoring. *Sensors and Actuators B: Chemical*, **2018**, 271, 137-146	8.5	35
172	Effect of single atom substitution in benzochalcogendiazole acceptors on the performance of ternary memory devices. *Journal of Materials Chemistry C*, **2015**, 3, 9145-9153	7.1	34
171	Highly Robust Organometallic Small-Molecule-Based Nonvolatile Resistive Memory Controlled by a Redox-Gated Switching Mechanism. *ACS Applied Materials & Interfaces*, **2019**, 11, 40332-40338	9.5	34

170	Hollow In2O3@ZnFe2O4 heterojunctions for highly efficient photocatalytic degradation of tetracycline under visible light. *Environmental Science: Nano*, **2019**, 6, 3123-3132	7.1	33
169	Effects of terminal electron acceptor strength on film morphology and ternary memory performance of triphenylamine donor based devices. *Journal of Materials Chemistry C*, **2013**, 1, 3816	7.1	33
168	Dual-Mechanism-Controlled Ternary Memory Devices Fabricated by Random Copolymers with Pendent Carbazole and Nitro-Azobenzene. *Journal of Physical Chemistry C*, **2012**, 116, 25546-25551	3.8	33
167	Surface Functionalization of Single-Layered TiCT MXene and Its Application in Multilevel Resistive Memory. *ACS Applied Materials & Interfaces*, **2020**, 12, 9865-9871	9.5	33
166	Hollow porous carbon nitride immobilized on carbonized nanofibers for highly efficient visible light photocatalytic removal of NO. *Nanoscale*, **2016**, 8, 12066-72	7.7	33
165	Dynamic Random Access Memory Devices Based on Functionalized Copolymers with Pendant Hydrazine Naphthalimide Group. *Journal of Physical Chemistry C*, **2011**, 115, 8288-8294	3.8	32
164	Controlled deposition of large-area and highly-ordered thin films: effect of dip-coating-induced morphological evolution on resistive memory performance. *Journal of Materials Chemistry C*, **2019**, 7, 3512-3521	7.1	32
163	Durable and Robust Self-Healing Superhydrophobic Co-PDMS@ZIF-8-Coated MWCNT Films for Extremely Efficient Emulsion Separation. *ACS Applied Materials & Interfaces*, **2019**, 11, 38313-38320	9.5	31
162	Thiadizoloquinoxaline-Based N-Heteroacenes as Active Elements for High-Density Data-Storage Device. *ACS Applied Materials & Interfaces*, **2018**, 10, 15971-15979	9.5	30
161	AgBr-loaded hollow porous carbon nitride with ultrahigh activity as visible light photocatalysts for water remediation. *Applied Catalysis B: Environmental*, **2018**, 229, 155-162	21.8	30
160	A small-molecule-based device for data storage and electro-optical switch applications. *Journal of Materials Chemistry*, **2011**, 21, 5860		30
159	Solution-Processed Small Molecule Donor/Acceptor Blends for Electrical Memory Devices with Fine-Tunable Storage Performance. *Journal of Physical Chemistry C*, **2014**, 118, 2154-2160	3.8	29
158	Adjustment of conformation change and charge trapping in ion-doped polymers to achieve ternary memory performance. *Journal of Materials Chemistry C*, **2013**, 1, 7883	7.1	29
157	Ultrasensitive and robust organic gas sensors through dual hydrogen bonding. *Materials Horizons*, **2019**, 6, 554-562	14.4	28
156	N-Doped and CdSe-Sensitized 3D-Ordered TiO2 Inverse Opal Films for Synergistically Enhanced Photocatalytic Performance. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 4000-4007	8.3	28
155	Study of the influences of molecular planarity and aluminum evaporation rate on the performances of electrical memory devices. *Journal of Materials Chemistry C*, **2014**, 2, 5709-5716	7.1	28
154	Enhancing the coplanarity of the donor moiety in a donor-acceptor molecule to improve the efficiency of switching phenomenon for flash memory devices. *Dyes and Pigments*, **2014**, 100, 127-134	4.6	28
153	Surface engineering to achieve organic ternary memory with a high device yield and improved performance. *Chemical Science*, **2017**, 8, 2344-2351	9.4	27

152	Direct Dual Z-Scheme Bi2WO6/GQDs/WO3 Inverse Opals for Enhanced Photocatalytic Activities under Visible Light. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 7921-7927	8.3	27
151	Construction of Hierarchical Hollow Co9S8/ZnIn2S4 Tubular Heterostructures for Highly Efficient Solar Energy Conversion and Environmental Remediation. *Angewandte Chemie*, **2020**, 132, 8332-8338	3.6	27
150	Ion-in-Conjugation: Squaraine as an Ultrasensitive Ammonia Sensor Material. *Small*, **2017**, 13, 1602190	11	27
149	Controlled fabrication of mesoporous ZSM-5 zeolite-supported PdCu alloy nanoparticles for complete oxidation of toluene. *Applied Catalysis B: Environmental*, **2020**, 265, 118560	21.8	27
148	Morphology-controlled fabrication of CNT@MoS2/SnS2 nanotubes for promoting photocatalytic reduction of aqueous Cr(VI) under visible light. *Journal of Alloys and Compounds*, **2019**, 784, 282-292	5.7	27
147	Improved ternary memory performance of donor□cceptor structured molecules through cyano substitution. *Journal of Materials Chemistry C*, **2015**, 3, 6778-6785	7.1	26
146	AIEgens-lightened Functional Polymers: Synthesis, Properties and Applications. *Chinese Journal of Polymer Science (English Edition)*, **2019**, 37, 302-326	3.5	25
145	Recyclable Carbon [email□protected] I-Doped Bi2O2CO3□MoS2 Membranes for Highly Efficient Water Remediation under Visible-Light Irradiation. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 2676-2683	8.3	25
144	Adjustment of ON-state retention ability based on new donor-acceptor imides through structural tailoring for volatile device applications. *ACS Applied Materials & Interfaces*, **2014**, 6, 94-100	9.5	25
143	Fluorine-Induced Highly Reproducible Resistive Switching Performance: Facile Morphology Control through the Transition between J- and H-Aggregation. *ACS Applied Materials & Interfaces*, **2017**, 9, 9926-9934	9.5	24
142	AIE-based fluorescent sensors for low concentration toxic ion detection in water. *Journal of Hazardous Materials*, **2021**, 403, 123656	12.8	24
141	Robust and durable self-healing superhydrophobic polymer-coated MWCNT film for highly efficient emulsion separation. *Environmental Science: Nano*, **2019**, 6, 1259-1266	7.1	23
140	Engineering 3D Ru/Graphene Aerogel Using Metal-Organic Frameworks: Capture and Highly Efficient Catalytic CO Oxidation at Room Temperature. *Small*, **2018**, 14, e1800343	11	23
139	Electronic effect of terminal acceptor groups on different organic donor-acceptor small-molecule based memory devices. *Physical Chemistry Chemical Physics*, **2014**, 16, 17125-32	3.6	23
138	Hollow Mesoporous Co O -CeO Composite Nanotubes with Open Ends for Efficient Catalytic CO Oxidation. *ChemSusChem*, **2019**, 12, 1084-1090	8.3	23
137	Improving organic memory performance through mounting conjugated branches on a triphenylamine core. *Journal of Materials Chemistry C*, **2016**, 4, 2579-2586	7.1	22
136	Nonvolatile Tri-State Resistive Memory Behavior of a Stable Pyrene-Fused N-Heteroacene with Ten Linearly-Annulated Rings. *Chemistry - A European Journal*, **2018**, 24, 7845-7851	4.8	22
135	Independent Memcapacitive Switching Triggered by Bromide Ion Migration for Quaternary Information Storage. *Advanced Materials*, **2019**, 31, e1806424	24	22

134	WORM memory devices based on conformation change of a PVK derivative with a rigid spacer in side chain. *Materials Chemistry and Physics*, **2010**, 123, 685-689	4.4	22
133	One-Step Synthesis of Honeycomb-Like Carbon Nitride Isotype Heterojunction as Low-Cost, High-Performance Photocatalyst for Removal of NO. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 11063-11070	8.3	22
132	Inserting Thienyl Linkers into Conjugated Molecules for Efficient Multilevel Electronic Memory: A New Understanding of Charge-Trapping in Organic Materials. *Chemistry - an Asian Journal*, **2016**, 11, 906-14	4.5	21
131	Benzothiazole derivatives containing different electron acceptors exhibiting totally different data-storage performances. *Journal of Materials Chemistry C*, **2014**, 2, 5673	7.1	21
130	A lead-free Cs2PdBr6 perovskite-based humidity sensor for artificial fruit waxing detection. *Journal of Materials Chemistry A*, **2020**, 8, 17675-17682	13	21
129	Organic Multilevel Memory Devices of Long-Term Environmental Stability via Incorporation of Fluorine. *Advanced Electronic Materials*, **2016**, 2, 1500474	6.4	21
128	SuFEx-Based Polysulfonate Formation from Ethenesulfonyl Fluoride–Amine Adducts. *Angewandte Chemie*, **2017**, 129, 11355-11360	3.6	20
127	Z-scheme photocatalytic NO removal on a 2D/2D iodine doped BiOIO/g-CN under visible-light irradiation. *Journal of Colloid and Interface Science*, **2020**, 576, 426-434	9.3	20
126	Conjugate Polymer-clothed TiO@VO nanobelts and their enhanced visible light photocatalytic performance in water remediation. *Journal of Colloid and Interface Science*, **2020**, 578, 402-411	9.3	20
125	Tuning memory performances from WORM to flash or DRAM by structural tailoring with different donor moieties. *Journal of Materials Chemistry C*, **2014**, 2, 7674-7680	7.1	20
124	Fabrication of Photocontrolled Surfaces for Oil/Water Separation through Sulfur(VI) Fluoride Exchange. *Chemistry - A European Journal*, **2017**, 23, 14712-14717	4.8	20
123	Thermoresponsive Memory Behavior in Metallosupramolecular Polymer-Based Ternary Memory Devices. *ACS Applied Materials & Interfaces*, **2017**, 9, 32930-32938	9.5	19
122	Surface Engineering of g-C3N4 by Stacked BiOBr Sheets Rich in Oxygen Vacancies for Boosting Photocatalytic Performance. *Angewandte Chemie*, **2020**, 132, 4549-4554	3.6	19
121	Built-in Electric Field Triggered Interfacial Accumulation Effect for Efficient Nitrate Removal at Ultra-Low Concentration and Electroreduction to Ammonia. *Angewandte Chemie - International Edition*, **2021**, 60, 22933-22939	16.4	19
120	Improved Molecular Stacking and Data-Storage Performance of Pyridine- and Pyrimidine-Substituted Small Molecules. *Advanced Functional Materials*, **2018**, 28, 1800568	15.6	18
119	A novel ternary memory property achieved through rational introduction of end-capping naphthalimide acceptors. *Journal of Materials Chemistry C*, **2017**, 5, 7961-7968	7.1	18
118	Memory devices based on functionalized copolymers exhibiting a linear dependence of switch threshold voltage with the pendant nitro-azobenzene moiety content change. *Journal of Materials Chemistry*, **2012**, 22, 19957		18
117	Metal complex modified azo polymers for multilevel organic memories. *Nanoscale*, **2015**, 7, 7659-64	7.7	17

116	Controllable and Versatile Electrophoretic Deposition Technology for Monolithic Organic Memory Devices. *ACS Applied Materials & Interfaces*, **2020**, 12, 15482-15490	9.5	17
115	An all-in-one memory cell based on a homopolymer with a pyrene side chain and its volatile and nonvolatile resistive switch behaviors. *Polymer Chemistry*, **2018**, 9, 1139-1146	4.9	17
114	Highly Efficient Catalysts of Bimetallic Pt-Ru Nanocrystals Supported on Ordered ZrO Nanotube for Toluene Oxidation. *ACS Applied Materials & Interfaces*, **2020**, 12, 13781-13789	9.5	16
113	Insertion of conjugated bridges in organic backbone for better multilevel memory performance: The role of alkynyl group. *Organic Electronics*, **2016**, 28, 155-162	3.5	16
112	Hierarchical Titanium Dioxide Nanowire/Metal-Organic Framework/Carbon Nanofiber Membranes for Highly Efficient Photocatalytic Degradation of Hydrogen Sulfide. *Chemistry - A European Journal* , **2018**, 24, 15019-15025	4.8	16
111	Preparation of 4-dicyanomethylene-2,6-distyryl-4H-pyran derivatives, their functional polystyrenes and study of their different aggregation induced emission behaviors. *Journal of Materials Chemistry C*, **2014**, 2, 2082-2088	7.1	16
110	Improving the electrical memory performance of pyrazoline moiety via the preparation of its hyperbranched copolymer. *Polymer Chemistry*, **2014**, 5, 2602	4.9	16
109	Upgrading Electroresistive Memory from Binary to Ternary Through Single-Atom Substitution in the Molecular Design. *Chemistry - an Asian Journal*, **2017**, 12, 45-51	4.5	16
108	Triggering DRAM/SRAM memory behaviors by single atom substitution to alter the molecular planarity. *Journal of Materials Chemistry C*, **2015**, 3, 8605-8611	7.1	15
107	Polysquaramides: Rapid and stable humidity sensing for breath monitoring and morse code communication. *Sensors and Actuators B: Chemical*, **2020**, 320, 128390	8.5	15
106	All-Inorganic Ionic Polymer-Based Memristor for High-Performance and Flexible Artificial Synapse. *Advanced Functional Materials*, **2020**, 30, 2004245	15.6	15
105	Polymer-Coated Fe2O3 Nanoparticles for Photocatalytic Degradation of Organic Materials and Antibiotics in Water. *ACS Applied Nano Materials*, **2020**, 3, 9200-9208	5.6	15
104	One-dimensional □d conjugated coordination polymers: synthesis and their improved memory performance. *Science China Chemistry*, **2019**, 62, 753-760	7.9	14
103	Tuning the fluorescence of aggregates for end-functionalized polymers through varying polymer chains with different polarities. *RSC Advances*, **2015**, 5, 8167-8174	3.7	14
102	Deriving highly oriented organic nanofibers and ternary memory performance via salification-induced effects. *Chemical Communications*, **2018**, 54, 10610-10613	5.8	14
101	Switchable fluorescent AIE-active nanoporous fibers for cyclic oil adsorption. *RSC Advances*, **2014**, 4, 17255-17261	3.7	14
100	Poly(3,4-ethylenedioxythiophene)-Poly(styrenesulfonate) Interlayer Insertion Enables Organic Quaternary Memory. *ACS Applied Materials & Interfaces*, **2017**, 9, 27847-27852	9.5	14
99	An ion-in-conjugation polymer enables the detection of NO2 with parts-per-trillion sensitivity and ultrahigh selectivity. *Journal of Materials Chemistry A*, **2020**, 8, 1052-1058	13	14

98	Hollow SnO2 nanotubes decorated with ZnIn2S4 nanosheets for enhanced visible-light photocatalytic activity. *Journal of Alloys and Compounds*, **2020**, 843, 155772	5.7	14
97	Comparison of two strategies to improve organic ternary memory performance: 3-Hexylthiophene linkage and fluorine substitution. *Dyes and Pigments*, **2016**, 130, 306-313	4.6	14
96	Detection of NO Down to One ppb Using Ion-in-Conjugation-Inspired Polymer. *Small*, **2019**, 15, e1803896	11	14
95	Metalloporphyrin-based D-A type conjugated organic polymer nanotube for efficient photocatalytic degradation. *Applied Catalysis B: Environmental*, **2021**, 291, 120108	21.8	14
94	A new DRAM-type memory devices based on polymethacrylate containing pendant 2-methylbenzothiazole. *Materials Chemistry and Physics*, **2012**, 134, 273-278	4.4	13
93	Rewritable ternary data storage devices based on polymethacrylate containing pendent azobenzene□aphthalene with the combined effects of conformation change and charge traps. *Journal of Materials Chemistry C*, **2017**, 5, 8593-8598	7.1	13
92	The Application of a Small-Molecule-Based Ternary Memory Device in Transient Thermal-Probing Electronics. *Advanced Materials*, **2017**, 29, 1604162	24	13
91	Highly efficient polymerization via sulfur(VI)-fluoride exchange (SuFEx): novel polysulfates bearing a pyrazoline□aphthylamide conjugated moiety and their electrical memory performance. *Polymer Chemistry*, **2018**, 9, 1040-1044	4.9	12
90	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. *Polymer Chemistry*, **2020**, 11, 1033-1042	4.9	12
89	Recent progress in the usage of tetrabromo-substituted naphthalenetetracarboxylic dianhydride as a building block to construct organic semiconductors and their applications. *Organic Chemistry Frontiers*, **2020**, 7, 3001-3026	5.2	12
88	Ternary Flexible Electro-resistive Memory Device based on Small Molecules. *Chemistry - an Asian Journal*, **2016**, 11, 1624-30	4.5	12
87	SuFExable polymers with helical structures derived from thionyl tetrafluoride. *Nature Chemistry*, **2021**, 13, 858-867	17.6	12
86	Construction of a ternary Z-scheme In2S3@Au@P3HT photocatalyst for the degradation of phenolic pollutants under visible light. *Separation and Purification Technology*, **2021**, 272, 118787	8.3	12
85	TPE-containing amphiphilic block copolymers: synthesis and application in the detection of nitroaromatic pollutants. *Polymer Chemistry*, **2020**, 11, 7244-7252	4.9	11
84	Polyacrylic esters with a □ne-is-enough□effect and investigation of their AIEE behaviours and cyanide detection in aqueous solution. *Polymer Chemistry*, **2018**, 9, 3893-3899	4.9	11
83	Racemic Effect on the Performance of Organic Multilevel Memory: Beyond Molecular Design. *Advanced Materials Technologies*, **2017**, 2, 1700202	6.8	10
82	A mini-review on ZnIn2S4-Based photocatalysts for energy and environmental application. *Green Energy and Environment*, **2020**, 7, 176-176	5.7	10
81	Ultrasensitive humidity sensing using one-dimensional □d conjugated coordination polymers for breath monitoring. *Sensors and Actuators B: Chemical*, **2021**, 330, 129353	8.5	10

80	Overview of electric-field-induced deposition technology in fabricating organic thin films. *Journal of Materials Chemistry C*, **2021**, 9, 374-394	7.1	10
79	Eye-Readable Detection and Oxidation of CO with a Platinum-Based Catalyst and a Binuclear Rhodium Complex. *Angewandte Chemie - International Edition*, **2019**, 58, 12258-12263	16.4	9
78	Tuning the Microstructure of Donor/Acceptor Blend Films To Achieve High-Performance Ternary Data-Storage Devices. *Journal of Physical Chemistry C*, **2019**, 123, 12154-12160	3.8	9
77	Sulfur (VI) Fluoride Exchange Polymerization for Large Conjugate Chromophores and Functional Main-Chain Polysulfates with Nonvolatile Memory Performance. *ChemPlusChem*, **2018**, 83, 407-413	2.8	9
76	Study of Linear and Nonlinear Optical Properties of Four Derivatives of Substituted Aryl Hydrazones of 1,8-Naphthalimide. *Chinese Journal of Chemistry*, **2014**, 32, 205-211	4.9	9
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74	Toward Highly Robust Nonvolatile Multilevel Memory by Fine Tuning of the Nanostructural Crystalline Solid-State Order. *Small*, **2021**, 17, e2100102	11	9
73	3D hollow MXene@ZnInS heterojunction with rich zinc vacancies for highly efficient visible-light photocatalytic reduction. *Journal of Colloid and Interface Science*, **2021**, 598, 398-408	9.3	9
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