Kaibing Xu

List of Publications by Year in Descending Order

200 papers	8,125 citations	49 h-index	80 g-index
201 ext. papers	9,042 ext. citations	6.2 avg, IF	6.27 L-index

#	Paper	IF	Citations
200	The in situ construction of oxygen-vacancy-rich NiCo2S4@NiMoO4/Ni2P multilevel nanoarrays for high-performance aqueous Zn-ion batteries. *New Journal of Chemistry*, **2022**, 46, 6587-6595	3.6	2
199	Engineering oxygen vacancies and surface chemical reconstruction of MOF-derived hierarchical CoO/NiP-CoP nanosheet arrays for advanced aqueous zinc-ion batteries. *Dalton Transactions*, **2021**, 50, 17538-17548	4.3	1
198	Controlling assembly-induced single layer RGO to achieve highly sensitive electrochemical detection of Pb(II) via synergistic enhancement. *Microchemical Journal*, **2021**, 162, 105883	4.8	6
197	Structure-tunable MnO-FeO@C hybrids for high-performance supercapacitor. *Journal of Colloid and Interface Science*, **2021**, 581, 66-75	9.3	17
196	Monodisperse functionalized GO for high-performance sensing and bioimaging of Cu through synergistic enhancement effect. *Talanta*, **2021**, 224, 121786	6.2	1
195	Monodisperse functionalized GO for water detection in wide range through synergistic enhancement effect. *Dyes and Pigments*, **2021**, 185, 108909	4.6	2
194	Altering molecular polarity via assembly induced charge transfer for high selectivity detection of Cu2+. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 609, 125658	5.1	1
193	Novel multifunctional nano-hybrid polyhedral oligomeric silsesquioxane-based molecules with high cell permeability: molecular design and application for diagnosis and treatment of tumors. *Nanoscale*, **2021**, 13, 2982-2994	7.7	3
192	Facile Fabrication of a Highly Porous N-Doped Nanotubular Carbon Aerogel by an In Situ Template-Growth Method for High-Performance Supercapacitors. *ACS Applied Energy Materials*, **2021**, 4, 6991-7001	6.1	3
191	Synthesis of novel copolymer hybrid modifiers (MMA-MAH-MAPOSS and ST-MAH-MAPOSS) based on POSS nanoplatform and study on its thermal properties. *Polymer Engineering and Science*, **2021**, 61, 843-855	2.3	
190	Red Phosphorus Anchored on Nitrogen-Doped Carbon Bubble-Carbon Nanotube Network for Highly Stable and Fast-Charging Lithium-Ion Batteries. *Small*, **2021**, e2105866	11	2
189	Preparation by pulsed current electrochemical polymerisation and properties of ordered comb-shaped polyaniline/carbon fibres composites for flexible supercapacitor electrodes. *Transactions of the Institute of Metal Finishing*, **2020**, 98, 98-104	1.3	0
188	High selectivity improvement of chemosensors through hydrogen-induced emission (HIE) for detection of Hg2+ in vivo and in vitro. *Sensors and Actuators B: Chemical*, **2020**, 321, 128532	8.5	9
187	Efficient Polymer Pendant Approach toward High Stable Organic Fluorophore for Sensing Ultratrace Hg with Improved Biological Compatibility and Cell Permeability. *Analytical Chemistry*, **2020**, 92, 3293-3301	7.8	19
186	An efficiently enhanced UV-visible light photodetector with a Zn:NiO/p-Si isotype heterojunction. *Journal of Materials Chemistry C*, **2020**, 8, 3498-3508	7.1	9
185	Molecular design strategies of multifunctional probe for simultaneous monitoring of Cu, Al, Ca and endogenous l-phenylalanine (LPA) recognition in living cells and zebrafishes. *Journal of Hazardous Materials*, **2020**, 389, 121831	12.8	11
184	Water-soluble fluorescent copolymer for effective recognition and imaging of tumor. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 599, 124863	5.1	2

183	Boosting the interface reaction activity and kinetics of cobalt molybdate by phosphating treatment for aqueous zinc-ion batteries with high energy density and long cycle life. *Journal of Materials Chemistry A*, **2020**, 8, 21044-21052	13	38
182	A multiple fluorescein-based turn-on fluorophore (FHCS) identified for simultaneous determination and living imaging of toxic Al and Zn by improved Stokes shift. *Analytica Chimica Acta*, **2020**, 1095, 185-196	6.6	18
181	Dual-functional chemical sensor for sensitive detection and bioimaging of Zn2+ and Pb2+ based on a water-soluble polymer. *Organic Electronics*, **2020**, 82, 105711	3.5	5
180	Oxygen vacancies-rich cobalt-doped NiMoO4 nanosheets for high energy density and stable aqueous Ni-Zn battery. *Science China Materials*, **2020**, 63, 1205-1215	7.1	36
179	Azobenzene-based derivative self-assembly: Optical limiting properties and enhancement mechanism. *Optical Materials*, **2019**, 96, 109297	3.3	2
178	In situ construction of WO nanoparticles decorated BiMoO microspheres for boosting photocatalytic degradation of refractory pollutants. *Journal of Colloid and Interface Science*, **2019**, 556, 335-344	9.3	152
177	Enhancing the electrochemical performance of nickel cobalt sulfides hollow nanospheres by structural modulation for asymmetric supercapacitors. *Journal of Colloid and Interface Science*, **2019** , 557, 135-143	9.3	38
176	Structure-designed synthesis of hierarchical NiCoO@NiO composites for high-performance supercapacitors. *Journal of Colloid and Interface Science*, **2019**, 556, 386-391	9.3	66
175	Molecular design for novel sensing materials with self-screening interference effect (SSIE): Reversible recognizing Cu2+ in aqueous and biologic samples. *Sensors and Actuators B: Chemical*, **2019**, 286, 163-172	8.5	22
174	A novel dual-channel Schiff base fluorescent chemo-sensor for Zn2+ and Ca2+ recognition: Synthesis, mechanism and application. *Dyes and Pigments*, **2019**, 170, 107614	4.6	13
173	Hierarchical assembly of manganese dioxide nanosheets on one-dimensional titanium nitride nanofibers for high-performance supercapacitors. *Journal of Colloid and Interface Science*, **2019**, 552, 712-718	9.3	16
172	Polyaniline wrapped manganese dioxide nanorods: Facile synthesis and as an electrode material for supercapacitors with remarkable electrochemical properties. *Journal of Alloys and Compounds*, **2019**, 794, 634-644	5.7	21
171	Highly selective chemosensor for repetitive detection of Fe in pure water and bioimaging. *Analyst, The*, **2019**, 144, 3414-3421	5	13
170	The investigation of the dipole-dipole action direction and molecular space configuration effect during the dipole–dipole induced azobenzene supramolecular self-assembly. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 580, 123742	5.1	3
169	Facile preparation and properties of polyhedral oligomeric silsesquioxane (POSS) nano-hybrid materials with disaggregation effect. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2019**, 246, 136-142	3.1	5
168	TiO₂ Nanotubes Array on Carbon Cloth as a Flexibility Anode for Sodium-Ion Batteries. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 226-230	1.3	10
167	Structure based optical properties and catalytic activities of hydrothermally prepared CuS nanostructures. *Nanotechnology*, **2019**, 30, 105704	3.4	15
166	A facile strategy for preparation and application of squaraine nanometer hybrids with broad band absorption. *Materials Letters*, **2019**, 238, 107-111	3.3	

165	Low-Dimensional Copper Selenide Nanostructures: Controllable Morphology and its Dependence on Electrocatalytic Performance. *ChemElectroChem*, **2019**, 6, 574-580	4.3	6
164	Improving the cycling stability of lithium-sulfur batteries by hollow dual-shell coating.. *RSC Advances*, **2018**, 8, 9161-9167	3.7	3
163	Stabilizing Lithium-Sulfur Batteries through Control of Sulfur Aggregation and Polysulfide Dissolution. *Small*, **2018**, 14, e1703816	11	25
162	Highly flexible and scalable photo-rechargeable power unit based on symmetrical nanotube arrays. *Nano Energy*, **2018**, 46, 168-175	17.1	30
161	Controllable preparation and near infrared optical limiting properties of fluorene-containing polyacetylenes. *Journal of Applied Polymer Science*, **2018**, 135, 46100	2.9	2
160	Synthesis of hollow NiCoO nanospheres with large specific surface area for asymmetric supercapacitors. *Journal of Colloid and Interface Science*, **2018**, 511, 456-462	9.3	118
159	An efficient and simple dual effect by under-layer abduction design for highly flexible NiOx-based perovskite solar cells. *Journal of Power Sources*, **2018**, 399, 246-253	8.9	11
158	A multidentate ligand chromophore with rhodamine-triazole-pyridine units and its acting mechanism for dual-mode visual sensing trace Sn2+. *Dyes and Pigments*, **2018**, 159, 542-550	4.6	31
157	Hierarchical hollow MnO nanofibers with enhanced supercapacitor performance. *Journal of Colloid and Interface Science*, **2018**, 513, 448-454	9.3	73
156	Facile preparation and investigation of the properties of single molecular POSS-based white-light-emitting hybrid materials using click chemistry. *New Journal of Chemistry*, **2018**, 42, 555-563	3.6	11
155	A novel turn-on fluorescent probe for the multi-channel detection of Zn and Bi with different action mechanisms. *Analyst, The*, **2018**, 143, 449-457	5	32
154	Preparations, properties, and formation mechanism of novel cellulose hydrogel membrane based on ionic liquid. *Journal of Applied Polymer Science*, **2018**, 135, 45488	2.9	17
153	Synthesis of Flower-Like AgI/BiOCOOH p-n Heterojunctions With Enhanced Visible-Light Photocatalytic Performance for the Removal of Toxic Pollutants. *Frontiers in Chemistry*, **2018**, 6, 518	5	14
152	Chemical Decoration of Perovskites by Nickel Oxide Doping for Efficient and Stable Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2018**, 10, 36841-36850	9.5	9
151	Hierarchical heterostructures of BiMoO microflowers decorated with AgCO nanoparticles for efficient visible-light-driven photocatalytic removal of toxic pollutants. *Beilstein Journal of Nanotechnology*, **2018**, 9, 2297-2305	3	13
150	MWCNTs/BiOCOOH composites with improved sunlight photocatalytic activity. *Materials Letters*, **2017**, 191, 157-160	3.3	18
149	Synthesis of hierarchical Co3O4@NiCo2O4 core-shell nanosheets as electrode materials for supercapacitor application. *Journal of Alloys and Compounds*, **2017**, 700, 247-251	5.7	45
148	Surface Coating Constraint Induced Anisotropic Swelling of Silicon in Si-Void@SiO Nanowire Anode for Lithium-Ion Batteries. *Small*, **2017**, 13, 1603754	11	38

147	Flower-like polyaniline/graphene hybrids for high-performance supercapacitor. *Composites Science and Technology*, **2017**, 142, 286-293	8.6	47
146	NixCo3□S4@NiCo2O4 hybrid composites as supercapacitors electrode material. *Materials Letters*, **2017**, 191, 101-104	3.3	3
145	Cobalt phosphide nanowire arrays grown on carbon cloth as novel electrode material for supercapacitors. *Materials Science in Semiconductor Processing*, **2017**, 66, 140-143	4.3	12
144	Excellent visible-light photocatalytic activity of p-type Ag 2 O coated n-type Fe 2 O 3 microspheres. *Materials Letters*, **2017**, 188, 368-371	3.3	23
143	Construction of fiber-shaped silver oxide/tantalum nitride p-n heterojunctions as highly efficient visible-light-driven photocatalysts. *Journal of Colloid and Interface Science*, **2017**, 504, 561-569	9.3	55
142	One-pot solvothermal synthesis of Ag nanoparticles decorated BiOCOOH microflowers with enhanced visible light activity. *Materials Letters*, **2017**, 196, 343-346	3.3	19
141	A modified fluorescein derivative with improved water-solubility for turn-on fluorescent determination of Hg in aqueous and living cells. *Talanta*, **2017**, 170, 89-96	6.2	43
140	Facile synthesis of maguey-like CuCo2O4 nanowires with high areal capacitance for supercapacitors. *Journal of Alloys and Compounds*, **2017**, 695, 3503-3510	5.7	56
139	Preparation, properties and formation mechanism of cellulose/polyvinyl alcohol bio-composite hydrogel membranes. *New Journal of Chemistry*, **2017**, 41, 6564-6573	3.6	23
138	Hierarchical MoO3/MnO2 core-shell nanostructures with enhanced pseudocapacitive properties. *Journal of Alloys and Compounds*, **2017**, 725, 373-378	5.7	13
137	Polyfluorenylacetylene for near-infrared laser protection: polymer synthesis, optical limiting mechanism and relationship between molecular structure and properties. *RSC Advances*, **2017**, 7, 53785-53796	3.7	1
136	Transparent conducting oxide- and Pt-free flexible photo-rechargeable electric energy storage systems. *RSC Advances*, **2017**, 7, 52988-52994	3.7	17
135	3D graphene-Fe3O4-polyaniline, a novel ternary composite for supercapacitor electrodes with improved electrochemical properties. *Materials Today Energy*, **2017**, 5, 164-172	7	57
134	Facile synthesis of hierarchical mesoporous NiCo2O4 nanoflowers with large specific surface area for high-performance supercapacitors. *Materials Letters*, **2017**, 187, 129-132	3.3	27
133	Nanoparticles Encapsulated in Porous Carbon Matrix Coated on Carbon Fibers: An Ultrastable Cathode for Li-Ion Batteries. *Advanced Energy Materials*, **2017**, 7, 1601363	21.8	39
132	Synthesis of flower-like Ag2O/BiOCOOH p-n heterojunction with enhanced visible light photocatalytic activity. *Applied Surface Science*, **2017**, 397, 95-103	6.7	73
131	Construction of Co3O4@Fe2O3 core-shell nanowire arrays electrode for supercapacitors. *Journal of Alloys and Compounds*, **2017**, 729, 1172-1176	5.7	49
130	A self-powered broadband photodetector based on an n-Si(111)/p-NiO heterojunction with high photosensitivity and enhanced external quantum efficiency. *Journal of Materials Chemistry C*, **2017**, 5, 12520-12528	7.1	49

129	A Novel Heterostructure of BiOI Nanosheets Anchored onto MWCNTs with Excellent Visible-Light Photocatalytic Activity. *Nanomaterials*, **2017**, 7,	5.4	37
128	Synthesis of flower-like Ta3N5-Au heterojunction with enhanced visible light photocatalytic activity. *Journal of Alloys and Compounds*, **2017**, 695, 1137-1144	5.7	23
127	Functional silk fabric for detection and absorption of Zn(II). *Journal of Applied Polymer Science*, **2016** , 133,	2.9	4
126	Controllable preparation of a soluble trapezoidal polyacetylene with broadband absorption by a one-step strategy. *Journal of Applied Polymer Science*, **2016**, 133,	2.9	3
125	Facile preparation and properties of multifunctional polyacetylene via highly efficient click chemistry. *RSC Advances*, **2016**, 6, 448-455	3.7	7
124	A Hybrid Electrode of CoO@PPy Core/Shell Nanosheet Arrays for High-Performance Supercapacitors. *Nano-Micro Letters*, **2016**, 8, 143-150	19.5	40
123	Controlling the morphology and property of carbon fiber/polyaniline composites for supercapacitor electrode materials by surface functionalization. *RSC Advances*, **2016**, 6, 14712-14719	3.7	26
122	Hierarchical architectures of Co3O4 ultrafine nanowires grown on Co3O4 nanowires with fascinating electrochemical performance. *New Journal of Chemistry*, **2016**, 40, 377-384	3.6	6
121	An Interface Engineered Multicolor Photodetector Based on n-Si(111)/TiO2 Nanorod Array Heterojunction. *Advanced Functional Materials*, **2016**, 26, 1400-1410	15.6	49
120	Solar Cells: Recent Development of Transparent Conducting Oxide-Free Flexible Thin-Film Solar Cells (Adv. Funct. Mater. 48/2016). *Advanced Functional Materials*, **2016**, 26, 8854-8854	15.6	2
119	Hierarchical MnO2 nanosheets on electrospun NiCo2O4 nanotubes as electrode materials for high rate capability and excellent cycling stability supercapacitors. *Journal of Alloys and Compounds*, **2016**, 678, 120-125	5.7	46
118	Recent Development of Transparent Conducting Oxide-Free Flexible Thin-Film Solar Cells. *Advanced Functional Materials*, **2016**, 26, 8855-8884	15.6	72
117	One pot synthesis of nickel foam supported self-assembly of NiWO4 and CoWO4 nanostructures that act as high performance electrochemical capacitor electrodes. *Journal of Materials Chemistry A* , **2015**, 3, 14272-14278	13	119
116	Direct in Vivo Functionalizing Silkworm Fibroin via Molecular Recognition. *ACS Biomaterials Science and Engineering*, **2015**, 1, 494-503	5.5	13
115	Design and synthesis of 3D hierarchical NiCo2S4@MnO2 core□shell nanosheet arrays for high-performance pseudocapacitors. *RSC Advances*, **2015**, 5, 44642-44647	3.7	52
114	Highly ordered mesoporous NiCo2O4 with superior pseudocapacitance performance for supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 11503-11510	13	26
113	Molten Au/Ge alloy migration in Ge nanowires. *Nano Letters*, **2015**, 15, 2809-16	11.5	11
112	Urchin-like MnO2 capped ZnO nanorods as high-rate and high-stability pseudocapacitor electrodes. *Electrochimica Acta*, **2015**, 186, 1-6	6.7	18

111	A facile synthesis of □MnO2 used as a supercapacitor electrode material: The influence of the Mn-based precursor solutions on the electrochemical performance. *Applied Surface Science*, **2015**, 357, 1747-1752	6.7	19
110	Flower-like Bi2S3/Bi2MoO6 heterojunction superstructures with enhanced visible-light-driven photocatalytic activity. *RSC Advances*, **2015**, 5, 75081-75088	3.7	63
109	Controllable preparation and properties of active functional hybrid materials with different chromophores. *RSC Advances*, **2015**, 5, 1070-1078	3.7	9
108	Engineering of fluorescent emission of silk fibroin composite materials by material assembly. *Small*, **2015**, 11, 1205-14	11	41
107	Polyaniline-graphene composites with a three-dimensional array-based nanostructure for high-performance supercapacitors. *Carbon*, **2015**, 83, 79-89	10.4	98
106	Chitosan/silk fibroin composite scaffolds for wound dressing. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	33
105	POSS-based molecular hybrids with low dielectric constant: Effect of chemical structure and molecular architecture. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	5
104	Synthesis and properties of broad-band absorption POSS-based hybrids. *Dyes and Pigments*, **2015**, 121, 199-203	4.6	7
103	Comprehending the effect of MMoO4 (M = Co, Ni) nanoflakes on improving the electrochemical performance of NiO electrodes. *Dalton Transactions*, **2015**, 44, 21131-40	4.3	8
102	Ethanol gas sensor based on a self-supporting hierarchical SnO2 nanorods array. *CrystEngComm*, **2015**, 17, 1800-1804	3.3	12
101	Ta3N5-Pt nonwoven cloth with hierarchical nanopores as efficient and easily recyclable macroscale photocatalysts. *Scientific Reports*, **2014**, 4, 3978	4.9	49
100	Hierarchical mesoporous NiCo2O4@MnO2 core□shell nanowire arrays on nickel foam for aqueous asymmetric supercapacitors. *Journal of Materials Chemistry A*, **2014**, 2, 4795	13	315
99	Cu7.2S4 nanocrystals: a novel photothermal agent with a 56.7% photothermal conversion efficiency for photothermal therapy of cancer cells. *Nanoscale*, **2014**, 6, 3274-82	7.7	198
98	Cu□kSe@mSiO□PEG core-shell nanoparticles: a low-toxic and efficient difunctional nanoplatform for chemo-photothermal therapy under near infrared light radiation with a safe power density. *Nanoscale*, **2014**, 6, 4361-70	7.7	68
97	MoO3/PANI coaxial heterostructure nanobelts by in situ polymerization for high performance supercapacitors. *Nano Energy*, **2014**, 7, 72-79	17.1	119
96	Polyacetylenes containing BODIPY pendants with different connectivities: synthesis, characterization and opto-electronic properties. *Polymer Chemistry*, **2014**, 5, 372-381	4.9	20
95	CoMoO4□0.9H2O nanorods grown on reduced graphene oxide as advanced electrochemical pseudocapacitor materials. *RSC Advances*, **2014**, 4, 34307	3.7	43
94	Design and synthesis of 3D interconnected mesoporous NiCo2O4@CoxNi1□(OH)2 core□shell nanosheet arrays with large areal capacitance and high rate performance for supercapacitors. *Journal of Materials Chemistry A*, **2014**, 2, 10090	13	146

93	Sponge-like NiCo2O4/MnO2 ultrathin nanoflakes for supercapacitor with high-rate performance and ultra-long cycle life. *Journal of Materials Chemistry A*, **2014**, 2, 7738-7741	13	54
92	Effect of temperature on the performance of ultrafine MnO2 nanobelt supercapacitors. *Journal of Materials Chemistry A*, **2014**, 2, 1443-1447	13	94
91	MnMoO4·4H2O nanoplates grown on a Ni foam substrate for excellent electrochemical properties. *Journal of Materials Chemistry A*, **2014**, 2, 20723-20728	13	94
90	Hydrothermal control growth of Zn2GeO4–diethylenetriamine 3D dumbbell-like nanobundles. *CrystEngComm*, **2014**, 16, 3222	3.3	16
89	Two-photon fluorescent Bombyx mori silk by molecular recognition functionalization. *Journal of Materials Chemistry B*, **2014**, 2, 2136-2143	7.3	27
88	Understanding the effect of polypyrrole and poly(3,4-ethylenedioxythiophene) on enhancing the supercapacitor performance of NiCo2O4 electrodes. *Journal of Materials Chemistry A*, **2014**, 2, 16731-16739	13	58
87	A high performance carbon fiber precursor containning ultra-high molecular weight acrylonitrile copolymer: preparation and properties. *Journal of Polymer Research*, **2014**, 21, 1	2.7	7
86	Folic acid-conjugated hollow mesoporous silica/CuS nanocomposites as a difunctional nanoplatform for targeted chemo-photothermal therapy of cancer cells. *Journal of Materials Chemistry B*, **2014**, 2, 5358-5367	7.3	80
85	Facile fabrication of three-dimensional highly ordered structural polyaniline–graphene bulk hybrid materials for high performance supercapacitor electrodes. *Journal of Materials Chemistry A*, **2014**, 2, 813-823	13	122
84	Facile synthesis of biocompatible cysteine-coated CuS nanoparticles with high photothermal conversion efficiency for cancer therapy. *Dalton Transactions*, **2014**, 43, 11709-15	4.3	142
83	Exceptional pseudocapacitive properties of hierarchical NiO ultrafine nanowires grown on mesoporous NiO nanosheets. *Journal of Materials Chemistry A*, **2014**, 2, 12799-12804	13	44
82	Facile synthesis of porous MnCo2O4.5 hierarchical architectures for high-rate supercapacitors. *CrystEngComm*, **2014**, 16, 2335-2339	3.3	104
81	Cover Picture: MnO2 Nanoflower Arrays with High Rate Capability for Flexible Supercapacitors (ChemElectroChem 6/2014. *ChemElectroChem*, **2014**, 1, 960-960	4.3	2
80	Construction of White-Light-Emitting Silk Protein Hybrid Films by Molecular Recognized Assembly among Hierarchical Structures. *Advanced Functional Materials*, **2014**, 24, 5284-5290	15.6	46
79	Fluorene-based click polymers: Relationship between molecular structure and nonlinear optical properties. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	3
78	Preparation and thermal properties of poly[acrylonitrile-co-(–methylhydrogen itaconate)] used as carbon fiber precursor. *Journal of Thermal Analysis and Calorimetry*, **2014**, 115, 1037-1047	4.1	8
77	A facile approach for the synthesis of Cu2– Se nanowires and their field emission properties. *Journal of Materials Science*, **2014**, 49, 532-537	4.3	5
76	MnO2 Nanoflower Arrays with High Rate Capability for Flexible Supercapacitors. *ChemElectroChem*, **2014**, 1, 1003-1008	4.3	43

75	POSS Core star-shape molecular hybrid materials: Effect of the chain length and POSS content on dielectric properties. *Journal of Applied Polymer Science*, **2013**, 127, 2628-2634	2.9	20
74	A method to break charge transfer complex of polyimide: A study on solution behavior. *Journal of Applied Polymer Science*, **2013**, 127, 797-803	2.9	19
73	A generic and effective strategy for highly effective intrinsic molecular luminescence in the condensed state. *Journal of Materials Chemistry C*, **2013**, 1, 5277	7.1	7
72	Quinoline-based azo derivative assembly: Optical limiting property and enhancement mechanism. *Dyes and Pigments*, **2013**, 99, 720-726	4.6	30
71	Melting of metallic electrodes and their flowing through a carbon nanotube channel within a device. *Advanced Materials*, **2013**, 25, 2693-9	24	18
70	Molecular design and pre-oxidation mechanism of acrylonitrile copolymer used as carbon fiber precursor. *Journal of Polymer Research*, **2013**, 20, 1	2.7	13
69	Functionalization of Colored/Fluorescent Silkworm Silk Fibrous Materials **2013**, 209-231		
68	Carbon-coated mesoporous NiO nanoparticles as an electrode material for high performance electrochemical capacitors. *New Journal of Chemistry*, **2013**, 37, 4031	3.6	39
67	Surface decoration of Bi2WO6 superstructures with Bi2O3 nanoparticles: an efficient method to improve visible-light-driven photocatalytic activity. *CrystEngComm*, **2013**, 15, 9011	3.3	67
66	The investigation of the hydrogen bond saturation effect during the dipole-dipole induced azobenzene supramolecular self-assembly. *Physical Chemistry Chemical Physics*, **2013**, 15, 20753-63	3.6	8
65	Dependence of the intramolecular charge transfer on molecular structure in triazole bridge-linked optical materials. *Dyes and Pigments*, **2013**, 97, 175-183	4.6	19
64	Controllable preparation and optical limiting properties of CdS nanocomposites in KGM-AA soft template. *Materials Research Bulletin*, **2013**, 48, 2469-2475	5.1	3
63	Hierarchical heterostructures of MnO nanosheets or nanorods grown on Au-coated Co porous nanowalls for high-performance pseudocapacitance. *Nanoscale*, **2013**, 5, 2901-8	7.7	102
62	Effect of comonomer structure on the stabilization and spinnability of polyacrylonitrile copolymers. *Carbon*, **2013**, 54, 323-335	10.4	98
61	Molecular design and stabilization mechanism of acrylonitrile bipolymer. *Journal of Applied Polymer Science*, **2013**, 129, 3255-3264	2.9	10
60	Advances in synthesis and application of near-infrared absorbing squaraine dyes. *RSC Advances*, **2013**, 3, 7667	3.7	102
59	Excellent electrical conductivity of the exfoliated and fluorinated hexagonal boron nitride nanosheets. *Nanoscale Research Letters*, **2013**, 8, 49	5	86
58	ZnO nanorods on reduced graphene sheets with excellent field emission, gas sensor and photocatalytic properties. *Journal of Materials Chemistry A*, **2013**, 1, 8445	13	181

57	Chain-like NiCo2O4 nanowires with different exposed reactive planes for high-performance supercapacitors. *Journal of Materials Chemistry A*, **2013**, 1, 8560	13	217
56	Self-assembling hybrid NiO/Co3O4 ultrathin and mesoporous nanosheets into flower-like architectures for pseudocapacitance. *Journal of Materials Chemistry A*, **2013**, 1, 9107	13	91
55	Supramolecular self-assembly structures and properties of zwitterionic squaraine molecules. *RSC Advances*, **2013**, 3, 8021	3.7	26
54	Highly efficient and stable solid-state luminescent nanohybrids: Precise architecture and enhancement mechanism. *Journal of Materials Research*, **2013**, 28, 1061-1069	2.5	4
53	Switching on Fluorescent Emission by Molecular Recognition and Aggregation Dissociation. *Advanced Functional Materials*, **2012**, 22, 361-368	15.6	37
52	A Convenient Organic□Inorganic Hybrid Approach Toward Highly Stable Squaraine Dyes with Reduced H-Aggregation. *Advanced Functional Materials*, **2012**, 22, 345-352	15.6	68
51	A method for joining individual graphene sheets. *Carbon*, **2012**, 50, 4965-4972	10.4	19
50	Heterostructures of vertical, aligned and dense SnO2 nanorods on graphene sheets: in situ TEM measured mechanical, electrical and field emission properties. *Journal of Materials Chemistry*, **2012**, 22, 19196		29
49	Near-Infrared Absorbing Squaraine Dyes for Solar Cells: Relationship between Architecture and Performance. *Journal of Physical Chemistry C*, **2012**, 116, 8894-8900	3.8	54
48	A simple transformation from silica core□shell□shell to yolk□shell nanostructures: a useful platform for effective cell imaging and drug delivery. *Journal of Materials Chemistry*, **2012**, 22, 17011		33
47	Mechanism and kinetics of stabilization reactions of poly (acrylonitrile-co-□methylhydrogen itaconate). *Journal of Materials Research*, **2012**, 27, 2668-2676	2.5	6
46	Preparation and nonlinear optical properties of two acrylate polymers bearing different long conjugated pendants. *Polymer Science - Series A*, **2011**, 53, 224-231	1.2	2
45	Preparation and properties of electron injecting molecular hybrid materials with high thermal performance. *Journal of Materials Chemistry*, **2011**, 21, 12941		11
44	An effective real-time colorimeteric sensor for sensitive and selective detection of cysteine under physiological conditions. *Analyst, The*, **2011**, 136, 1916-21	5	57
43	Molecular Hybrid Optical Limiting Materials from Polyhedral Oligomer Silsequioxane: Preparation and Relationship between Molecular Structure and Properties. *Macromolecules*, **2010**, 43, 2840-2845	5.5	45
42	Mechanism of Dielectric Constant Variation of POSS-Based Organic□Inorganic Molecular Hybrids. *Journal of Physical Chemistry C*, **2010**, 114, 22455-22461	3.8	36
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