Jianwei Xu

List of Publications by Year in descending order

193 papers	8,373 citations	36303 51 h-index	69250 77 g-index
195 all docs	195 docs citations	195 times ranked	8828 citing authors

#	Article	IF	Citations
1	Strategies to reduce the flammability of organic phase change Materials: A review. Solar Energy, 2022, 231, 115-128.	6.1	52
2	Achieving Enhanced Thermoelectric Performance in Multiphase Materials. Accounts of Materials Research, 2022, 3, 237-246.	11.7	23
3	Triazine derivatives as organic phase change materials with inherently low flammability. Journal of Materials Chemistry A, 2022, 10, 3633-3641.	10.3	27
4	Towards modulating the colour hues of isoindigo-based electrochromic polymers through variation of thiophene-based donor groups. Polymer Chemistry, 2022, 13, 967-981.	3.9	27
5	Improved zT in Nb₅Ge₃â€“GeTe thermoelectric nanocomposite. Nanoscale, 2022, 14, 410-418.	5.6	16
6	Flexible elemental thermoelectrics with ultra-high power density. Materials Today Energy, 2022, 25, 100964.	4.7	20
7	Potential of Recycled Silicon and Silicon-Based Thermoelectrics for Power Generation. Crystals, 2022, 12, 307.	2.2	9
8	Polaron Delocalization Dependence of the Conductivity and the Seebeck Coefficient in Doped Conjugated Polymers. Journal of Physical Chemistry B, 2022, 126, 2073-2085.	2.6	5
9	Upcycling Silicon Photovoltaic Waste into Thermoelectrics. Advanced Materials, 2022, 34, e2110518.	21.0	25
10	Rapid UV-Curable Form-Stable Polyethylene-Glycol-Based Phase Change Material. ACS Applied Polymer Materials, 2022, 4, 2747-2756.	4.4	33
11	Application of phase change materials in building components and the use of nanotechnology for its improvement. Energy and Buildings, 2022, 262, 112018.	6.7	47
12	A highly flexible form-stable silicone-octadecane PCM composite for heat harvesting. Materials Today Advances, 2022, 14, 100227.	5.2	20
13	Designing good compatibility factor in segmented Bi0.5Sb1.5Te3 â€“ GeTe thermoelectrics for high power conversion efficiency. Nano Energy, 2022, 96, 107147.	16.0	24
14	Facile Synthesis of Solubilizing a Group-Free, Solution-Processable p-Type Ladder Conjugated Polymer and Its Thermoelectric Properties. ACS Macro Letters, 2022, 11, 110-115.	4.8	13
15	Valence Disproportionation of GeS in the PbS Matrix Forms Pb₅Ge₅S₁₂ Inclusions with Conduction Band Alignment Leading to High n-Type Thermoelectric Performance. Journal of the American Chemical Society, 2022, 144, 7402-7413.	13.7	24
16	AIE-active polymers for explosive detection. , 2022, , 555-582.		0
17	Gallium-Doped Zinc Oxide Nanostructures for Tunable Transparent Thermoelectric Films. ACS Applied Nano Materials, 2022, 5, 8631-8639.	5.0	13
18	Recent advances in nanotechnology-based functional coatings for the built environment. Materials Today Advances, 2022, 15, 100270.	5.2	30

#	Article	IF	Citations
19	Conjugated polymers for electrochromic applications. , 2022, , 539-573.		2
20	Gateâ€Tunable Polar Optical Phonon to Piezoelectric Scattering in Fewâ€Layer Bi₂O₂Se for Highâ€Performance Thermoelectrics. Advanced Materials, 2021, 33, e2004786.	21.0	48
21	Strong Valence Band Convergence to Enhance Thermoelectric Performance in PbSe with Two Chemically Independent Controls. Angewandte Chemie, 2021, 133, 272-277.	2.0	7
22	Strong Valence Band Convergence to Enhance Thermoelectric Performance in PbSe with Two Chemically Independent Controls. Angewandte Chemie - International Edition, 2021, 60, 268-273.	13.8	28
23	Polymer-POSS hybrid materials as fire retardants. , 2021, , 305-332.		1
24	Manufacturing of POSS-polymer nanocomposites. , 2021, , 27-51.		1
25	Strategies and concepts in n-doped conjugated polymer thermoelectrics. Journal of Materials Chemistry A, 2021, 9, 5149-5163.	10.3	34
26	High-performance & thermally stable n-type polymer thermoelectrics based on a benzyl viologen radical cation-doped ladder-type conjugated polymer. Journal of Materials Chemistry A, 2021, 9, 11787-11793.	10.3	22
27	Electron n-doping of a highly electron-deficient chlorinated benzodifurandione-based oligophenylene vinylene polymer using benzyl viologen radical cations. Materials Chemistry Frontiers, 2021, 5, 6182-6191.	5.9	4
28	Realizing zT Values of 2.0 in Cubic GeTe. ChemNanoMat, 2021, 7, 476-482.	2.8	35
29	Bottom-Up Engineering Strategies for High-Performance Thermoelectric Materials. Nano-Micro Letters, 2021, 13, 119.	27.0	48
30	High thermoelectric performance enabled by convergence of nested conduction bands in Pb7Bi4Se13 with low thermal conductivity. Nature Communications, 2021, 12, 4793.	12.8	53
31	Synthesis and Halochromic Properties of 1,2,6â€Triâ€and 1,2,3,6â€Tetraâ€aryl Azulenes. ChemPlusChem, 2021, 86, 1116-1122.	2.8	2
32	Synthesis of Conjugated Polymers via Transition Metal Catalysed Câ^'H Bond Activation. Chemistry - an Asian Journal, 2021, 16, 2896-2919.	3.3	12
33	High-performance PEDOT:PSS-based thermoelectric composites. Composites Communications, 2021, 27, 100877.	6.3	37
34	Thermoelectric materials and transport physics. Materials Today Physics, 2021, 21, 100519.	6.0	77
35	Defect engineering in thermoelectric materials: what have we learned?. Chemical Society Reviews, 2021, 50, 9022-9054.	38.1	201
36	Suppressing Ge-vacancies to achieve high single-leg efficiency in GeTe with an ultra-high room temperature power factor. Journal of Materials Chemistry A, 2021, 9, 23335-23344.	10.3	38

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37	High Thermoelectric Performance through Crystal Symmetry Enhancement in Triply Doped Diamondoid Compound Cu₂SnSe₃. Advanced Energy Materials, 2021, 11, 2100661.	19.5	39
38	Thermoelectric Performances of n-Doped Ladder-Type Conjugated Polymers Using Various Viologen Radical Cations. ACS Applied Polymer Materials, 2021, 3, 5596-5603.	4.4	7
39	A Systematic Approach for Semiconductor Half-Heusler. Frontiers in Materials, 2021, 8, .	2.4	8
40	Physical Intuition to Improve Electronic Properties of Thermoelectrics. Frontiers in Physics, 2021, 9, .	2.1	3
41	Rational Proteomic Analysis of a New Domesticated Klebsiella pneumoniae x546 Producing 1,3-Propanediol. Frontiers in Microbiology, 2021, 12, 770109.	3.5	3
42	Enhanced thermoelectric performance of poly(3,4â€ethylenedioxythiophene):poly(4â€styrenesulfonate) (PEDOT:PSS) with longâ€term humidity stability via sequential treatment with trifluoroacetic acid. Polymer International, 2020, 69, 84-92.	3.1	33
43	High Spin Pro-Quinoid Benzo[1,2-c;4,5-câ€²]bisthiadiazole Conjugated Polymers for High-Performance Solution-Processable Polymer Thermoelectrics. , 2020, 2, 147-152.		43
44	High-Performance Thermoelectrics from Cellular Nanostructured Sb2Si2Te6. Joule, 2020, 4, 159-175.	24.0	103
45	Enhanced Thermoelectric Performance of Nanocrystalline Indium Tin Oxide Pellets by Modulating the Density and Nanoporosity Via Spark Plasma Sintering. ACS Applied Nano Materials, 2020, 3, 10156-10165.	5.0	35
46	Theoretical search for high-performance thermoelectric donorâ€“acceptor copolymers: the role of super-exchange couplings. Journal of Materials Chemistry A, 2020, 8, 21852-21861.	10.3	22
47	Water-dispersible conducting polyazulene and its application in thermoelectrics. Chemical Communications, 2020, 56, 9388-9391.	4.1	33
48	Effective enhancement of thermoelectric and mechanical properties of germanium telluride via rhenium-doping. Journal of Materials Chemistry C, 2020, 8, 16940-16948.	5.5	38
49	Binary treatment of PEDOT:PSS films with nitric acid and imidazolium-based ionic liquids to improve the thermoelectric properties. Materials Advances, 2020, 1, 3233-3242.	5.4	18
50	Atomistic simulation of the smectic a mesophase induced by halogen bond. Journal of Molecular Liquids, 2020, 319, 113731.	4.9	1
51	Promoting Electrocatalytic Hydrogen Evolution Reaction and Oxygen Evolution Reaction by Fields: Effects of Electric Field, Magnetic Field, Strain, and Light. Small Methods, 2020, 4, 2000494.	8.6	146
52	The benzyl viologen radical cation: an effective n-dopant for poly(naphthalenediimide-bithiophene). Journal of Materials Chemistry A, 2020, 8, 18916-18924.	10.3	18
53	Tailoring the phase transition temperature to achieve high-performance cubic GeTe-based thermoelectrics. Journal of Materials Chemistry A, 2020, 8, 18880-18890.	10.3	61
54	Transparent flexible thin-film pâ€“n junction thermoelectric module. Npj Flexible Electronics, 2020, 4, .	10.7	37

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55	Benzyl viologen radical cation: an effective n-dopant for poly(perylenediimide-bithiophene). Journal of Materials Chemistry C, 2020, 8, 17261-17268.	5.5	13
56	Solutionâ€Processable Copolymers Based on Triphenylamine and 3,4â€Ethylenedioxythiophene: Facile Synthesis and Multielectrochromism. Macromolecular Rapid Communications, 2020, 41, e2000156.	3.9	16
57	Carboxylic Acid Directed Câ€“H Arylation of Azulene. Organic Letters, 2020, 22, 5009-5013.	4.6	21
58	Effect of substituents in sulfoxides on the enhancement of thermoelectric properties of PEDOT:PSS: experimental and modelling evidence. Molecular Systems Design and Engineering, 2020, 5, 976-984.	3.4	29
59	Modulating the Properties of Azuleneâ€containing Polymers Through Functionalization at the 2â€Position of Azulene. Chemistry - an Asian Journal, 2020, 15, 2505-2512.	3.3	13
60	Photoresponsive Thermoelectric Materials Derived from Fullerene-C₆₀ PEDOT Hybrid Polymers. ACS Applied Energy Materials, 2020, 3, 6726-6734.	5.1	13
61	Sodium formaldehyde sulfoxylate, an ionic-type, water-soluble reducing reagent to effectively improve seebeck coefficient of PEDOT:PSS film. Organic Electronics, 2020, 81, 105682.	2.6	21
62	Modulation of the doping level of PEDOT:PSS film by treatment with hydrazine to improve the Seebeck coefficient. RSC Advances, 2020, 10, 1786-1792.	3.6	77
63	Origin of High Thermoelectric Performance in Earth-Abundant Phosphideâ€“Tetrahedrite. ACS Applied Materials & Interfaces, 2020, 12, 9150-9157.	8.0	35
64	The Role of Electrostatic Interaction between Free Charge Carriers and Counterions in Thermoelectric Power Factor of Conducting Polymers: From Crystalline to Polycrystalline Domains. Advanced Theory and Simulations, 2020, 3, 2000015.	2.8	10
65	Azulene in Polymers and Their Properties. Chemistry - an Asian Journal, 2020, 15, 1904-1915.	3.3	32
66	Efficient Nitrate Synthesis via Ambient Nitrogen Oxidation with Ruâ€Doped TiO₂/RuO₂ Electrocatalysts. Advanced Materials, 2020, 32, e2002189.	21.0	125
67	Recent Advances in Aggregation-Induced Emission Chemosensors for Anion Sensing. Molecules, 2019, 24, 2711.	3.8	65
68	Interfacing Epitaxial Dinickel Phosphide to 2D Nickel Thiophosphate Nanosheets for Boosting Electrocatalytic Water Splitting. ACS Nano, 2019, 13, 7975-7984.	14.6	171
69	Improved Alignment of PEDOT:PSS Induced by in-situ Crystallization of â€œGreenâ€•Dimethylsulfone Molecules to Enhance the Polymer Thermoelectric Performance. Frontiers in Chemistry, 2019, 7, 783.	3.6	36
70	High Figure of Merit in Gallium-Doped Nanostructured n-Type PbTe-xGeTe with Midgap States. Journal of the American Chemical Society, 2019, 141, 16169-16177.	13.7	76
71	Proquinoidal-Conjugated Polymer as an Effective Strategy for the Enhancement of Electrical Conductivity and Thermoelectric Properties. Chemistry of Materials, 2019, 31, 8543-8550.	6.7	43
72	Aggregation-induced emission (AIE)-active polymers for explosive detection. Polymer Chemistry, 2019, 10, 3822-3840.	3.9	120

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73	Diversity of electron acceptor groups in donorâ€“acceptor type electrochromic conjugated polymers. Solar Energy Materials and Solar Cells, 2019, 197, 32-75.	6.2	80
74	Self-Organization of PEDOT:PSS Induced by Green and Water-Soluble Organic Molecules. Journal of Physical Chemistry C, 2019, 123, 9745-9755.	3.1	32
75	One-Dimensional Nanostructure Engineering of Conducting Polymers for Thermoelectric Applications. Applied Sciences (Switzerland), 2019, 9, 1422.	2.5	23
76	Solution-Based Synthesis and Processing of Metal Chalcogenides for Thermoelectric Applications. Applied Sciences (Switzerland), 2019, 9, 1511.	2.5	12
77	Effective ionic Seebeck component suppression in mixed ion-electron conductor via chemical treatment. Organic Electronics, 2019, 69, 7-12.	2.6	15
78	Viologen-Based Electrochromic Materials: From Small Molecules, Polymers and Composites to Their Applications. Polymers, 2019, 11, 1839.	4.5	127
79	Ionofluorochromic Nanoparticles Derived from Octapyrene-Modified Polyhedral Oligomeric Silsesquioxane Organic Frameworks for Fluoride-Ion Detection. ACS Applied Nano Materials, 2019, 2, 470-478.	5.0	18
80	High Thermoelectric Performance in Polycrystalline SnSe Via Dualâ€Doping with Ag/Na and Nanostructuring With Ag₈SnSe₆. Advanced Energy Materials, 2019, 9, 1803072.	19.5	98
81	Electroluminochromic Materials: From Molecules to Polymers. Polymers, 2019, 11, 98.	4.5	43
82	Functionalized POSS-Based Hybrid Composites. , 2019, , 179-210.		17
83	Improved Thermoelectric Properties and Environmental Stability of Conducting PEDOT:PSS Films Post-treated With Imidazolium Ionic Liquids. Frontiers in Chemistry, 2019, 7, 870.	3.6	35
84	Control of morphology and performance of diketopyrrolopyrrole-based electrochromic polymers using solvent vapor annealing. Journal of Polymer Research, 2018, 25, 1.	2.4	7
85	Influence of catalytic systems in Stille polymerization on the electrochromic performance of diketopyrrolopyrrole-based conjugated polymers. Materials Chemistry Frontiers, 2018, 2, 331-337.	5.9	20
86	A theoretical mechanistic study on electrical conductivity enhancement of DMSO treated PEDOT:PSS. Journal of Materials Chemistry C, 2018, 6, 5122-5131.	5.5	100
87	nâ€Type SnSe₂ Orientedâ€Nanoplateâ€Based Pellets for High Thermoelectric Performance. Advanced Energy Materials, 2018, 8, 1702167.	19.5	103
88	Asymmetric-Layered Tin Thiophosphate: An Emerging 2D Ternary Anode for High-Performance Sodium Ion Full Cell. ACS Nano, 2018, 12, 12902-12911.	14.6	45
89	Triphenylethylene- and Tetraphenylethylene-Functionalized 1,3-Bis(pyrrol-2-yl)squaraine Dyes: Synthesis, Aggregation-Caused Quenching to Aggregation-Induced Emission, and Thiol Detection. ACS Omega, 2018, 3, 16424-16435.	3.5	27
90	Poly(nickel-ethylenetetrathiolate) and Its Analogs: Theoretical Prediction of High-Performance Doping-Free Thermoelectric Polymers. Journal of the American Chemical Society, 2018, 140, 13200-13204.	13.7	39

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91	Orbital-Engineering-Based Screening of Ï€-Conjugated d⁸ Transition-Metal Coordination Polymers for High-Performance n-Type Thermoelectric Applications. ACS Applied Materials & Interfaces, 2018, 10, 35306-35315.	8.0	32
92	Enhancement of Thermoelectric Performance in CuSbSe₂ Nanoplateâ€Based Pellets by Texture Engineering and Carrier Concentration Optimization. Small, 2018, 14, e1803092.	10.0	17
93	Mosaicâ€Structured Cobalt Nickel Thiophosphate Nanosheets Incorporated Nâ€doped Carbon for Efficient and Stable Electrocatalytic Water Splitting. Advanced Functional Materials, 2018, 28, 1805075.	14.9	57
94	Enhancement of thermoelectric performance of PEDOT:PSS films by post-treatment with a superacid. RSC Advances, 2018, 8, 18334-18340.	3.6	118
95	Recent advances in conducting poly(3,4-ethylenedioxythiophene):polystyrene sulfonate hybrids for thermoelectric applications. Journal of Materials Chemistry C, 2018, 6, 8858-8873.	5.5	78
96	High Thermoelectric Performance in Supersaturated Solid Solutions and Nanostructured nâ€Type PbTeâ€“GeTe. Advanced Functional Materials, 2018, 28, 1801617.	14.9	92
97	Enhanced Thermoelectric Performance of PEDOT:PSS Films by Sequential Postâ€Treatment with Formamide. Macromolecular Materials and Engineering, 2018, 303, 1700429.	3.6	69
98	Ultra-high Seebeck coefficient and low thermal conductivity of a centimeter-sized perovskite single crystal acquired by a modified fast growth method. Journal of Materials Chemistry C, 2017, 5, 1255-1260.	5.5	101
99	Inverseâ€Electronâ€Demand Dielsâ€“Alder Reactions: Principles and Applications. Chemistry - an Asian Journal, 2017, 12, 2142-2159.	3.3	66
100	2D Black Phosphorus for Energy Storage and Thermoelectric Applications. Small, 2017, 13, 1700661.	10.0	139
101	Enhancing the electrochromic performance of conjugated polymers using thermal nanoimprint lithography. RSC Advances, 2017, 7, 49119-49124.	3.6	9
102	Designing hybrid architectures for advanced thermoelectric materials. Materials Chemistry Frontiers, 2017, 1, 2457-2473.	5.9	34
103	Triphenylethylenyl-based donorâ€“acceptorâ€“donor molecules: studies on structural and optical properties and AIE properties for cyanide detection. Journal of Materials Chemistry C, 2017, 5, 12194-12203.	5.5	53
104	Polyhedral oligomeric silsesquioxane-based hybrid materials and their applications. Materials Chemistry Frontiers, 2017, 1, 212-230.	5.9	254
105	Multifunctional 0Dâ€“2D Ni₂P Nanocrystalsâ€“Black Phosphorus Heterostructure. Advanced Energy Materials, 2017, 7, 1601285.	19.5	149
106	Synthesis and properties of cyclotriphosphazene and perfluoropolyetherâ€based lubricant with polar functional groups. Lubrication Science, 2017, 29, 31-42.	2.1	9
107	Cubic Polyhedral Oligomeric Silsesquioxane Based Functional Materials: Synthesis, Assembly, and Applications. Chemistry - an Asian Journal, 2016, 11, 1322-1337.	3.3	142
108	Laser irradiation effect on the damage of lubricant films. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2016, 34, 03H136.	1.2	3

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109	Low Bandgap Conjugated Polymers Based on a Nature-Inspired Bay-Annulated Indigo (BAI) Acceptor as Stable Electrochromic Materials. ACS Sustainable Chemistry and Engineering, 2016, 4, 2797-2805.	6.7	64
110	Diketopyrrolopyrrole-Based Low-Bandgap Conjugated Polymers with Siloxane Side Chains for Electrochromic Applications. Australian Journal of Chemistry, 2016, 69, 403.	0.9	9
111	Poly(triphenyl ethene) and poly(tetraphenyl ethene): synthesis, aggregation-induced emission property and application as paper sensors for effective nitro-compounds detection. Polymer Chemistry, 2016, 7, 6309-6317.	3.9	50
112	Tetraphenylethene (TPE) modified polyhedral oligomeric silsesquioxanes (POSS): unadulterated monomer emission, aggregation-induced emission and nanostructural self-assembly modulated by the flexible spacer between POSS and TPE. Chemical Communications, 2016, 52, 12478-12481.	4.1	46
113	Cyclization of Tetraaryl-Substituted Benzoquinones and Hydroquinones through the Scholl Reaction. Journal of Organic Chemistry, 2016, 81, 9219-9226.	3.2	7
114	Conjugated polymer-based electrochromics: materials, device fabrication and application prospects. Journal of Materials Chemistry C, 2016, 4, 7364-7376.	5.5	186
115	Engineering polydimethylsiloxane with two-dimensional graphene oxide for an extremely durable superhydrophobic fabric coating. RSC Advances, 2016, 6, 66834-66840.	3.6	16
116	Modulating high-energy visible light absorption to attain neutral-state black electrochromic polymers. Journal of Materials Chemistry C, 2016, 4, 28-32.	5.5	75
117	Supramolecular (Hydrogen-Bonded and Halogen-Bonded) Liquid Crystalline Polymers. , 2016, , 391-409.		1
118	Effects of Chemical Composition, Film Thickness, and Morphology on the Electrochromic Properties of Donorâ€“Acceptor Conjugated Copolymers Based on Diketopyrrolopyrrole. ChemPlusChem, 2015, 80, 1298-1305.	2.8	31
119	Towards mesoâ€Ester BODIPYs with Aggregationâ€Induced Emission Properties: The Effect of Substitution Positions. Chemistry - an Asian Journal, 2015, 10, 1631-1634.	3.3	41
120	Dithienothiopheneâ€Based Triphenylamineâ€Containing Branched Copolymers for Electrochromic Applications. ChemPlusChem, 2015, 80, 1306-1311.	2.8	5
121	Highly thermally stable cyclotriphosphazene based perfluoropolyether lubricant oil. Tribology International, 2015, 90, 257-262.	5.9	22
122	Low band-gap diketopyrrolopyrrole-containing polymers for near infrared electrochromic and photovoltaic applications. Journal of Polymer Science Part A, 2015, 53, 1287-1295.	2.3	28
123	Solution-processable low-bandgap 3-fluorothieno[3,4-b]thiophene-2-carboxylate-based conjugated polymers for electrochromic applications. RSC Advances, 2015, 5, 96328-96335.	3.6	8
124	4,9-Dihydro-s-indaceno[1,2-b:5,6-bâ€™]dithiophene-embedded electrochromic conjugated polymers with high coloration efficiency and fast coloration time. Solar Energy Materials and Solar Cells, 2015, 136, 92-99.	6.2	33
125	Perfluoropolyether/poly(ethylene glycol) triblock copolymers with controllable self-assembly behaviour for highly efficient anti-bacterial materials. RSC Advances, 2015, 5, 64170-64179.	3.6	13
126	Sulfonic Acid- and Lithium Sulfonate-Grafted Poly(Vinylidene Fluoride) Electrospun Mats As Ionic Liquid Host for Electrochromic Device and Lithium-Ion Battery. ACS Applied Materials & Interfaces, 2015, 7, 16548-16557.	8.0	29

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127	Red-to-black electrochromism of 4,9-dihydro-s-indaceno[1,2-b:5,6-bâ€™]dithiophene-embedded conjugated polymers. Journal of Materials Science, 2015, 50, 5856-5864.	3.7	15
128	Effects of fluorination on the electrochromic performance of benzothiadiazole-based donorâ€“acceptor copolymers. Journal of Materials Chemistry C, 2015, 3, 5589-5597.	5.5	65
129	Aggregation induced emission based fluorescence pH and temperature sensors: probing polymer interactions in poly(N-isopropyl acrylamide-co-tetra(phenyl)ethene acrylate)/poly(methacrylic acid) interpenetrating polymer networks. Journal of Materials Chemistry C, 2015, 3, 5490-5498.	5.5	72
130	A thermally stable and reversible microporous hydrogen-bonded organic framework: aggregation induced emission and metal ion-sensing properties. Journal of Materials Chemistry C, 2015, 3, 11874-11880.	5.5	76
131	Unusual Intramolecular Hydrogen Transfer in 3,5-Di(triphenylethylenyl) BODIPY Synthesis and 1,2-Migratory Shift in Subsequent Scholl Type Reaction. Organic Letters, 2015, 17, 4168-4171.	4.6	33
132	Ultrahigh electron-deficient pyrrolo-acenaphtho-pyridazine-dione based donorâ€“acceptor conjugated polymers for electrochromic applications. Polymer Chemistry, 2015, 6, 7570-7579.	3.9	28
133	Low band-gap weak donorâ€“strong acceptor conjugated polymer for organic solar cell. RSC Advances, 2015, 5, 98876-98879.	3.6	7
134	Fluorinated polyhedral oligomeric silsesquioxanes. RSC Advances, 2015, 5, 4547-4553.	3.6	21
135	Pyrrolophthalazine dione (PPD)-based donorâ€“acceptor polymers as high performance electrochromic materials. Polymer Chemistry, 2015, 6, 1487-1494.	3.9	36
136	Electrospun aggregation-induced emission active POSS-based porous copolymer films for detection of explosives. Chemical Communications, 2014, 50, 13785-13788.	4.1	87
137	Synthesis of Ultrahighly Electron-Deficient Pyrrolo[3,4-d]pyridazine-5,7-dione by Inverse Electron Demand Dielsâ€“Alder Reaction and Its Application as Electrochromic Materials. Organic Letters, 2014, 16, 6386-6389.	4.6	51
138	Electrofluorochromic Detection of Cyanide Anions Using a Nanoporous Polymer Electrode and the Detection Mechanism. Chemistry - A European Journal, 2014, 20, 13226-13233.	3.3	22
139	Electrofluorochromic detection of cyanide anions using a benzothiadiazole-containing conjugated copolymer. Chemical Communications, 2014, 50, 655-657.	4.1	58
140	Poly(acrylate) with a tetraphenylethene pendant with aggregation-induced emission (AIE) characteristics: highly stable AIE-active polymer nanoparticles for effective detection of nitro compounds. Polymer Chemistry, 2014, 5, 5628.	3.9	94
141	General Suzuki Coupling of Heteroaryl Bromides by Using Triâ€tertâ€butylphosphine as a Supporting Ligand. European Journal of Organic Chemistry, 2014, 2014, 5901-5905.	2.4	41
142	Highly Thermally Resistant Polyhedral Oligomeric Silsesquioxanes Lubricating Oil Prepared via a Thiol-Ene Click Reaction. Science of Advanced Materials, 2014, 6, 1553-1561.	0.7	4
143	Solution-processable multicolored dithienothiophene-based conjugated polymers for electrochromic applications. European Polymer Journal, 2013, 49, 2446-2456.	5.4	23
144	Electrochemically controlled release of molecular guests from redox responsive polymeric multilayers and devices. European Polymer Journal, 2013, 49, 2477-2484.	5.4	43

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145	Solution-processable blue-to-transmissive electrochromic benzotriazole-containing conjugated polymers. Polymer Chemistry, 2013, 4, 4663.	3.9	54
146	Black-to-transmissive electrochromism of azulene-based donorâ€“acceptor copolymers complemented by poly(4-styrene sulfonic acid)-doped poly(3,4-ethylenedioxythiophene). Organic Electronics, 2013, 14, 2748-2755.	2.6	57
147	Tuning Omniphobicity via Morphological Control of Metalâ€“Organic Framework Functionalized Surfaces. Journal of the American Chemical Society, 2013, 135, 16272-16275.	13.7	33
148	Electrochromic Ï€-Conjugated Copolymers Derived from Azulene, Fluorene, and Dialkyloxybenzothiadiazole. Australian Journal of Chemistry, 2013, 66, 1048.	0.9	17
149	Redox-controlled release of molecular payloads from multilayered organometallic polyelectrolyte films. Journal of Materials Chemistry B, 2013, 1, 828-834.	5.8	32
150	Redox responsive nanotubes from organometallic polymers by template assisted layer by layer fabrication. Nanoscale, 2013, 5, 11692.	5.6	10
151	Tuning the aspect ratio of NH₂-MIL-53(Al) microneedles and nanorodsvia coordination modulation. CrystEngComm, 2013, 15, 654-657.	2.6	78
152	Disassembly of redox responsive poly(ferrocenylsilane) multilayers: The effect of blocking layers, supporting electrolyte and polyion molar mass. Journal of Colloid and Interface Science, 2013, 405, 256-261.	9.4	16
153	Thermally stable glassy luminescent cyclotriphosphazenes. European Polymer Journal, 2013, 49, 2404-2414.	5.4	6
154	Supergluing MOF liquid marbles. Chemical Communications, 2013, 49, 493-495.	4.1	36
155	Synthesis and self-assembly of halogen-bond donorâ€“spacerâ€“hydrogen-bond donor molecules: polymeric liquid crystals induced by combination of intermolecular halogen- and hydrogen-bonding interactions. Liquid Crystals, 2013, 40, 185-196.	2.2	31
156	Organometallic polymeric carriers for redox triggered release of molecular payloads. Journal of Materials Chemistry, 2012, 22, 6429.	6.7	39
157	Superhydrophobic fluorinated POSSâ€“PVDF-HFP nanocomposite coating on glass by electrospinning. Journal of Materials Chemistry, 2012, 22, 18479.	6.7	122
158	Organicâ€“inorganic hybrid liquid crystals derived from octameric silsesquioxanes. Effect of the peripheral groups in mesogens on the formation of liquid crystals. Journal of Materials Chemistry, 2011, 21, 5248.	6.7	39
159	TOFâ€SIMS analysis of media lubricant under laser irradiation for HAMR application. Surface and Interface Analysis, 2011, 43, 406-409.	1.8	6
160	Syntheses of chitin-based imprinting polymers and their binding properties for cholesterol. Carbohydrate Research, 2011, 346, 495-500.	2.3	23
161	Thermal stability of ionic liquid-loaded electrospun poly(vinylidene fluoride) membranes and its influences on performance of electrochromic devices. Journal of Membrane Science, 2011, 376, 283-289.	8.2	23
162	High-Contrast Electrochromic Thin Films via Layer-by-Layer Assembly of Starlike and Sulfonated Polyaniline. Chemistry of Materials, 2010, 22, 6085-6091.	6.7	54

#	Article	IF	Citations
163	Starâ€like polyurethane hybrids with functional cubic silsesquioxanes: Preparation, morphology, and thermomechanical properties. Journal of Polymer Science Part A, 2009, 47, 4602-4616.	2.3	39
164	Enhancement of electrochromic contrast by tethering polyaniline onto cyclotriphosphazene. European Polymer Journal, 2009, 45, 772-778.	5.4	22
165	Enhanced Electrochromic Switching in Multilayer Thin Films of Polyaniline-Tethered Silsesquioxane Nanocage. Chemistry of Materials, 2009, 21, 4434-4441.	6.7	64
166	Synthesis, Electronic, and Emission Spectroscopy, and Electrochromic Characterization of Azuleneâ^'Fluorene Conjugated Oligomers and Polymers. Macromolecules, 2009, 42, 5534-5544.	4.8	91
167	Polyhedral oligomeric silsesquioxanes tethered with perfluoroalkylthioether corner groups: Facile synthesis and enhancement of hydrophobicity of their polymer blends. Journal of Materials Chemistry, 2009, 19, 4740.	6.7	56
168	Hydrogen bondâ€directed selfâ€assembly of peripherally modified cyclotriphosphazenes with a homeotropic liquid crystalline phase. Journal of Polymer Science Part A, 2008, 46, 4691-4703.	2.3	31
169	Thermally Stable Blue-Light-Emitting Hybrid Organicâ^'Inorganic Polymers Derived from Cyclotriphosphazene. Macromolecules, 2008, 41, 9624-9636.	4.8	40
170	Molecular assembly of dithiaparacyclophanes mediated by non-covalent Xâ€¦X, Xâ€¦Y and Câ€“Hâ€¦X (X,) Tj ETQq0 0 0 rgBT /Overlock	1.2	19
171	Synthesis and characterisation of mainâ€chain hydrogenâ€bonded supramolecular liquid crystalline complexes formed by azoâ€containing compounds. Liquid Crystals, 2008, 35, 241-251.	2.2	33
172	Trimeric supramolecular liquid crystals induced by halogen bonds. Journal of Materials Chemistry, 2006, 16, 3540.	6.7	130
173	A Comparative Study on Luminescent Copolymers of Fluorene and Carbazole with Conjugated or Î´-Si Interrupted Structures:Â Steric Effects. Macromolecules, 2006, 39, 1397-1402.	4.8	38
174	Effect of Transannular Ï€â^'Ï€ Interaction on Emission Spectral Shift and Fluorescence Quenching in Dithia[3.3]paracyclophaneâ^'Fluorene Copolymers. Macromolecules, 2006, 39, 7277-7285.	4.8	43
175	Blends of polyimide and dodecylbenzene sulfonic acid-doped polyaniline: Effects of polyimide structure on electrical conductivity and its thermal degradation. Synthetic Metals, 2006, 156, 117-123.	3.9	12
176	Organicâ€“inorganic nanocomposites from cubic silsesquioxane epoxides: direct characterization of interphase, and thermomechanical properties. Polymer, 2005, 46, 7018-7027.	3.8	90
177	Synthesis of O,Oâ€²-dipalmitoyl chitosan and its amphiphilic properties and capability of cholesterol absorption. Carbohydrate Polymers, 2005, 60, 229-233.	10.2	25
178	Cholesterol-imprinted polymer receptor prepared by a hybrid imprinting method. Polymer International, 2005, 54, 1268-1274.	3.1	15
179	Synthesis of main-chain hydrogen-bonded supramolecular liquid crystalline complexes: The effects of spacer on thermal behavior of mesophase. Journal of Polymer Science Part A, 2005, 43, 4731-4743.	2.3	20
180	Synthesis and Self-Assembly of Donorâ^'Spacerâ^'Acceptor Molecules. Liquid Crystals Formed by Single-Component â€œComplexesâ€• via Intermolecular Hydrogen-Bonding Interaction. Macromolecules, 2005, 38, 1684-1690.	4.8	54

#	Article	IF	Citations
181	Synthesis and Self-Assembly of Difunctional Halogen-Bonding Molecules:Â A New Family of Supramolecular Liquid-Crystalline Polymers. Macromolecules, 2005, 38, 3554-3557.	4.8	87
182	Novel Glassy Tetra(N-alkyl-3-bromocarbazole-6-yl)silanes as Building Blocks for Efficient and Nonaggregating Blue-Light-Emitting Tetrahedral Materials. Organic Letters, 2005, 7, 2829-2832.	4.6	51
183	Alternating Aromatic and Transannular Chromophores with and without Linker:Â Effect of Transannular Ï€â^Ï€ Interaction on the Optical Property of Dithiaparacyclophane-based Copolymers. Macromolecules, 2004, 37, 3546-3553.	4.8	43
184	Variable Ion Selectivity in [n.3.3](1,3,5)Crownophanes: The â€œBreathingâ€•Process. Organic Letters, 2003, 5, 2781-2784.	4.6	20
185	Alternating Conjugated and Transannular Chromophores:â€‰ Tunable Property of Fluorene-Paracyclophane Copolymers via Transannular Ï€â^Ï€ Interaction. Organic Letters, 2003, 5, 2765-2768.	4.6	53
186	Thermal degradation of electrical conductivity of polyacrylic acid doped polyaniline: effect of molecular weight of the dopants. Synthetic Metals, 2003, 138, 429-440.	3.9	84
187	Low relative dielectric permittivities of polyimides and copolyimides derived from non-coplanar diamines and 4,4â€²-(hexafluoroisopropyl)diphthalic anhydride. Plastics, Rubber and Composites, 2002, 31, 295-299.	2.0	6
188	A Unique Spherical Molecular Host withD2dSymmetry. A Novel Intramolecular Kinetic Equilibrium in Metal Ion Complexation between Two Crown Ethers. Organic Letters, 2002, 4, 3911-3914.	4.6	4
189	Intermolecular Interaction in Multicomponent Supramolecular Complexes through Hydrogen-Bonding Association. Macromolecules, 2002, 35, 8846-8851.	4.8	21
190	Synthesis, Complexation, and Supramolecular Assembly of 21,30-Dithia-17,25-dimethyl-1,4,7,10,13-pentaoxa[13.3.3](1,2,6)cyclophaneâ€. Organic Letters, 2002, 4, 3211-3214.	4.6	17
191	Electrical conductivity of polyanilineâ€“dodecylbenzene sulphonic acid complex: thermal degradation and its mechanism. Synthetic Metals, 2002, 128, 167-178.	3.9	118
192	Complexation behavior and crystal structure of a dithia[16.3.3](1,2,6)cyclophane: a novel one-dimensional coordination polymer with perchlorate anions as linkers. Tetrahedron Letters, 2002, 43, 9199-9202.	1.4	15
193	Synthesis and characterization of soluble polyimides derived from [1,1?;4?,1?]terphenyl-2?,5?-diol and biphenyl-2,5-diol. Journal of Polymer Science Part A, 2001, 39, 2998-3007.	2.3	31