Yumin Huang

List of Publications by Year
in descending order

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46 papers	1,510 citations	279798 23 h-index	315739 38 g-index
53 all docs	53 docs citations	53 times ranked	1437 citing authors

#	Article	IF	Citations
1	Highly selective sulfonated Poly (arylene ether nitrile) composite membranes containing copper phthalocyanine grafted graphene oxide for direct methanol fuel cell. High Performance Polymers, 2022, 34, 253-263.	1.8	2
2	Mechanically robust, nonflammable and surface cross-linking composite membranes with high wettability for dendrite-proof and high-safety lithium-ion batteries. Journal of Membrane Science, 2022, 647, 120262.	8.2	36
3	Sulfonated Poly(arylene ether nitrile)-Based Composite Membranes Enhanced with Ca2+ Bridged Carbon Nanotube-Graphene Oxide Networks. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 2103-2112.	3.7	1
4	Quantum dots encoded white-emitting polymeric superparticles for simultaneous detection of multiple heavy metal ions. Journal of Hazardous Materials, 2021, 405, 124263.	12.4	44
5	Improving dielectric properties of poly(arylene ether nitrile) composites by employing core-shell structured BaTiO3@polydopamine and MoS2@polydopamine interlinked with poly(ethylene imine) for high-temperature applications. Journal of Alloys and Compounds, 2021, 856, 158213.	5.5	20
6	NH2-MIL-125(Ti) encapsulated with in situ-formed carbon nanodots with up-conversion effect for improving photocatalytic NO removal and H2 evolution. Chemical Engineering Journal, 2021, 420, 127643.	12.7	30
7	In situ fabrication of flower-like metallopolymeric superstructure on Nd2Fe14B template for enhanced microwave absorption. Journal of Physics and Chemistry of Solids, 2021, 149, 109755.	4.0	11
8	Enhancing dielectric and mechanical properties of poly(arylene ether nitrile) based composites by introducing low content â€œcore-shellâ€•like structured MXene&PDA@ BaTiO₃. High Performance Polymers, 2021, 33, 1061-1073.	1.8	5
9	Poly(arylene ether nitrile) porous membranes with adjustable pore size for high temperature resistance and high-performance lithium-ion batteries. Microporous and Mesoporous Materials, 2021, 324, 111276.	4.4	22
10	A Solvent Regulated Hydrogen Bond Crosslinking Strategy to Prepare Robust Hydrogel Paint for Oil/Water Separation. Advanced Functional Materials, 2021, 31, 2104701.	14.9	130
11	Tungstophosphoric acid-doped sulfonated poly(arylene ether nitriles) composite membranes with improved proton conductivity and excellent long-term stability. Solid State Ionics, 2020, 357, 115487.	2.7	5
12	Poly(arylene ether nitrile) ternary dielectric composites modulated via polydopamine-assisted BaTiO3 decorating MoS2 sheets. Ceramics International, 2020, 46, 19181-19190.	4.8	19
13	Component Adjustment of Poly(arylene ether nitrile) with Sulfonic and Carboxylic Groups for Dielectric Films. Polymers, 2019, 11, 1135.	4.5	19
14	The frequency independent functionalized MoS2 nanosheet/poly(arylene ether nitrile) composites with improved dielectric and thermal properties via mussel inspired surface chemistry. Applied Surface Science, 2019, 481, 1239-1248.	6.1	31
15	Rational design of sulfonated poly(ether ether ketone) grafted graphene oxide-based composites for proton exchange membranes with enhanced performance. Polymer, 2018, 144, 7-17.	3.8	43
16	Influence of the carboxylic acid groups on the structure and properties of sulfonated poly(arylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.4	12
17	Formation of organometallic microstructures via self-assembling of carboxylated zinc phthalocyanines with selective adsorption and visible light-driven photodegradation of cationic dyes. Journal of Materials Science, 2018, 53, 492-505.	3.7	8
18	Solid state effective luminescent probe based on CdSe@CdS/amphiphilic co-polyarylene ether nitrile core-shell superparticles for Ag+ detection and optical strain sensing. Sensors and Actuators B: Chemical, 2018, 257, 442-450.	7.8	43

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19	Constructing Continuous Proton-Conducting Highways within Sulfonated Poly(Arylene Ether) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 1005.	4.5	17
20	Sulfonated poly(arylene ether nitrile)-based hybrid membranes containing amine-functionalized GO for constructing long-range ionic nanochannels. International Journal of Hydrogen Energy, 2018, 43, 11214-11222.	7.1	27
21	Novel composite proton exchange membrane with long-range proton transfer channels constructed by synergistic effect between acid and base functionalized graphene oxide. Polymer, 2018, 149, 305-315.	3.8	62
22	Nitrile functionalized graphene oxide for highly selective sulfonated poly(arylene ether nitrile)-based proton-conducting membranes. RSC Advances, 2017, 7, 2971-2978.	3.6	17
23	Electrospun nanofiber enhanced sulfonated poly(arylene ether nitriles)-based proton conducting membrane. AIP Conference Proceedings, 2017, , .	0.4	0
24	Synergistic effect of graphene oxide and carbon nanotubes on sulfonated poly(arylene ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 8224-8232.	7.1	41
25	SGO/SPEN-based highly selective polymer electrolyte membranes for direct methanol fuel cells. Ionics, 2017, 23, 2143-2152.	2.4	33
26	Scalable creation of gold nanostructures on high performance engineering polymeric substrate. Applied Surface Science, 2017, 426, 579-586.	6.1	4
27	Synthesis and microwave absorption properties of sandwich-type CNTs/Fe3O4/RGO composite with Fe3O4 as a bridge. Journal of Materials Science: Materials in Electronics, 2017, 28, 15043-15049.	2.2	8
28	Curing behaviors of cyanate ester/epoxy copolymers and their dielectric properties. High Performance Polymers, 2017, 29, 1175-1184.	1.8	28
29	The effect of bismaleimide on thermal, mechanical, and dielectric properties of allyl-functional bisphthalonitrile/bismaleimide system. High Performance Polymers, 2017, 29, 1016-1026.	1.8	16
30	Curing behavior and processability of BMI/3â€APN system for advanced glass fiber composite laminates. Journal of Applied Polymer Science, 2016, 133, .	2.6	14
31	Facile preparation of octahedral Fe3O4/RGO composites and its microwave electromagnetic properties. Journal of Materials Science: Materials in Electronics, 2016, 27, 9577-9583.	2.2	23
32	Facile fabrication of white-emitting hybrid colloids and nanocomposite films using CdSe/CdS quantum dots and zinc phthalocyanines as building blocks. Synthetic Metals, 2016, 218, 9-18.	3.9	10
33	Studied on mechanical, thermal and dielectric properties of BPh/PEN-OH copolymer. Composites Part B: Engineering, 2016, 106, 294-299.	12.0	36
34	Phthalonitrile end-capped sulfonated polyarylene ether nitriles for low-swelling proton exchange membranes. Journal of Polymer Research, 2016, 23, 1.	2.4	12
35	Low-swelling proton-conducting multi-layer composite membranes containing polyarylene ether nitrile and sulfonated carbon nanotubes for fuel cells. International Journal of Hydrogen Energy, 2016, 41, 5113-5122.	7.1	29
36	Morphology and photophysical properties of dual-emissive hyperbranched zinc phthalocyanines and their self-assembling superstructures. Journal of Materials Science, 2016, 51, 3191-3199.	3.7	16

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37	Plasmon enhanced fluorescence of a bisphthalonitrile-based dye via a dopamine mediated interfacial crosslinking reaction on silver nanoparticles. RSC Advances, 2015, 5, 71652-71657.	3.6	12
38	Stoichiometric to catalytic reactivity of the aryl cycloaurated species with arylboronic acids: insight into the mechanism of gold-catalyzed oxidative C(sp²)â€“H arylation. Chemical Science, 2015, 6, 288-293.	7.4	76
39	Palladium-catalyzed direct ortho-Câ€“H ethoxycarboxylation of anilides at room temperature. Organic Chemistry Frontiers, 2014, 1, 347.	4.5	30
40	Versatile palladium-catalyzed Câ€“H olefination of (hetero)arenes at room temperature. Chemical Communications, 2014, 50, 13914-13916.	4.1	56
41	Use of the Wilkinson Catalyst for the orthoâ€Cï£¿H Heteroarylation of Aromatic Amines: Facile Access to Highly Extended Ïâ€conjugated Heteroacenes for Organic Semiconductors. Angewandte Chemie - International Edition, 2014, 53, 12158-12162.	13.8	85
42	Pd-catalyzed oxidative Câ€“H/Câ€“H cross-coupling of pyridines with heteroarenes. Chemical Science, 2013, 4, 2163.	7.4	123
43	Elements of Regiocontrol in the Direct Heteroarylation of Indoles/Pyrroles: Synthesis of Biâ€•and Fused Polycyclic Heteroarenes by Twofold or Tandem Fourfold Cï£¿H Activation. Chemistry - A European Journal, 2012, 18, 16616-16620.	3.3	82
44	Dehydrogenative Heck coupling of biologically relevant N-heteroarenes with alkenes: discovery of fluorescent core frameworks. Chemical Communications, 2012, 48, 2864.	4.1	62
45	Palladium(II)â€Catalyzed Oxidative Cï£¿H/Cï£¿H Crossâ€Coupling between Two Structurally Similar Azoles. Chemistry - A European Journal, 2012, 18, 6158-6162.	3.3	79
46	5-Benzyl-2-phenyl-6,8-dihydro-5H-1,2,4-triazolo[3,4-c][1,4]oxazin-2-ium hexafluoridophosphate. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1328-o1328.	0.2	0