

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
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53
all docs

53
docs citations

53
times ranked

1437
citing authors

#	ARTICLE	IF	CITATIONS
1	A Solvent Regulated Hydrogen Bond Crosslinking Strategy to Prepare Robust Hydrogel Paint for Oil/Water Separation. <i>Advanced Functional Materials</i> , 2021, 31, 2104701.	14.9	130
2	Pd-catalyzed oxidative C-H/C-H cross-coupling of pyridines with heteroarenes. <i>Chemical Science</i> , 2013, 4, 2163.	7.4	123
3	Use of the Wilkinson Catalyst for the <i>ortho</i> -C ₂ H Heteroarylation of Aromatic Amines: Facile Access to Highly Extended π -Conjugated Heteroacenes for Organic Semiconductors. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12158-12162.	13.8	85
4	Elements of Regiocontrol in the Direct Heteroarylation of Indoles/Pyrroles: Synthesis of Bi- and Fused Polycyclic Heteroarenes by Twofold or Tandem Fourfold C ₂ H Activation. <i>Chemistry - A European Journal</i> , 2012, 18, 16616-16620.	3.3	82
5	Palladium(II)-Catalyzed Oxidative C ₂ H/C ₂ H Cross-Coupling between Two Structurally Similar Azoles. <i>Chemistry - A European Journal</i> , 2012, 18, 6158-6162.	3.3	79
6	Stoichiometric to catalytic reactivity of the aryl cycloaurated species with arylboronic acids: insight into the mechanism of gold-catalyzed oxidative C(sp ²) ² -H arylation. <i>Chemical Science</i> , 2015, 6, 288-293.	7.4	76
7	Dehydrogenative Heck coupling of biologically relevant N-heteroarenes with alkenes: discovery of fluorescent core frameworks. <i>Chemical Communications</i> , 2012, 48, 2864.	4.1	62
8	Novel composite proton exchange membrane with long-range proton transfer channels constructed by synergistic effect between acid and base functionalized graphene oxide. <i>Polymer</i> , 2018, 149, 305-315.	3.8	62
9	Versatile palladium-catalyzed C-H olefination of (hetero)arenes at room temperature. <i>Chemical Communications</i> , 2014, 50, 13914-13916.	4.1	56
10	Quantum dots encoded white-emitting polymeric superparticles for simultaneous detection of multiple heavy metal ions. <i>Journal of Hazardous Materials</i> , 2021, 405, 124263.	12.4	44
11	Rational design of sulfonated poly(ether ether ketone) grafted graphene oxide-based composites for proton exchange membranes with enhanced performance. <i>Polymer</i> , 2018, 144, 7-17.	3.8	43
12	Solid state effective luminescent probe based on CdSe@CdS/amphiphilic co-polyarylene ether nitrile core-shell superparticles for Ag ⁺ detection and optical strain sensing. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 442-450.	7.8	43
13	Synergistic effect of graphene oxide and carbon nanotubes on sulfonated poly(arylene ether) Tj ETQq1 1 0.784314 rgBT /Overlock 108224-8232.	7.1	41
14	Studied on mechanical, thermal and dielectric properties of BPh/PEN-OH copolymer. <i>Composites Part B: Engineering</i> , 2016, 106, 294-299.	12.0	36
15	Mechanically robust, nonflammable and surface cross-linking composite membranes with high wettability for dendrite-proof and high-safety lithium-ion batteries. <i>Journal of Membrane Science</i> , 2022, 647, 120262.	8.2	36
16	SGO/SPEN-based highly selective polymer electrolyte membranes for direct methanol fuel cells. <i>Ionics</i> , 2017, 23, 2143-2152.	2.4	33
17	The frequency independent functionalized MoS ₂ nanosheet/poly(arylene ether nitrile) composites with improved dielectric and thermal properties via mussel inspired surface chemistry. <i>Applied Surface Science</i> , 2019, 481, 1239-1248.	6.1	31
18	Palladium-catalyzed direct <i>ortho</i> -C-H ethoxycarboxylation of anilides at room temperature. <i>Organic Chemistry Frontiers</i> , 2014, 1, 347.	4.5	30

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19	NH ₂ -MIL-125(Ti) encapsulated with in situ-formed carbon nanodots with up-conversion effect for improving photocatalytic NO removal and H ₂ evolution. <i>Chemical Engineering Journal</i> , 2021, 420, 127643.	12.7	30
20	Low-swelling proton-conducting multi-layer composite membranes containing polyarylene ether nitrile and sulfonated carbon nanotubes for fuel cells. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 5113-5122.	7.1	29
21	Curing behaviors of cyanate ester/epoxy copolymers and their dielectric properties. <i>High Performance Polymers</i> , 2017, 29, 1175-1184.	1.8	28
22	Sulfonated poly(arylene ether nitrile)-based hybrid membranes containing amine-functionalized GO for constructing long-range ionic nanochannels. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 11214-11222.	7.1	27
23	Facile preparation of octahedral Fe ₃ O ₄ /RGO composites and its microwave electromagnetic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 9577-9583.	2.2	23
24	Poly(arylene ether nitrile) porous membranes with adjustable pore size for high temperature resistance and high-performance lithium-ion batteries. <i>Microporous and Mesoporous Materials</i> , 2021, 324, 111276.	4.4	22
25	Improving dielectric properties of poly(arylene ether nitrile) composites by employing core-shell structured BaTiO ₃ @polydopamine and MoS ₂ @polydopamine interlinked with poly(ethylene imine) for high-temperature applications. <i>Journal of Alloys and Compounds</i> , 2021, 856, 158213.	5.5	20
26	Component Adjustment of Poly(arylene ether nitrile) with Sulfonic and Carboxylic Groups for Dielectric Films. <i>Polymers</i> , 2019, 11, 1135.	4.5	19
27	Poly(arylene ether nitrile) ternary dielectric composites modulated via polydopamine-assisted BaTiO ₃ decorating MoS ₂ sheets. <i>Ceramics International</i> , 2020, 46, 19181-19190.	4.8	19
28	Nitrile functionalized graphene oxide for highly selective sulfonated poly(arylene ether nitrile)-based proton-conducting membranes. <i>RSC Advances</i> , 2017, 7, 2971-2978.	3.6	17
29	Constructing Continuous Proton-Conducting Highways within Sulfonated Poly(Arylene Ether) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 1005.	4.5	17
30	Morphology and photophysical properties of dual-emissive hyperbranched zinc phthalocyanines and their self-assembling superstructures. <i>Journal of Materials Science</i> , 2016, 51, 3191-3199.	3.7	16
31	The effect of bismaleimide on thermal, mechanical, and dielectric properties of allyl-functional bisphthalonitrile/bismaleimide system. <i>High Performance Polymers</i> , 2017, 29, 1016-1026.	1.8	16
32	Curing behavior and processability of BMI/3â€APN system for advanced glass fiber composite laminates. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	14
33	Plasmon enhanced fluorescence of a bisphthalonitrile-based dye via a dopamine mediated interfacial crosslinking reaction on silver nanoparticles. <i>RSC Advances</i> , 2015, 5, 71652-71657.	3.6	12
34	Phthalonitrile end-capped sulfonated polyarylene ether nitriles for low-swelling proton exchange membranes. <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	12
35	Influence of the carboxylic acid groups on the structure and properties of sulfonated poly(arylene) Tj ETQq1 1 0.784314 rgBT /Overlock 12	2.4	12
36	In situ fabrication of flower-like metallopolymeric superstructure on Nd ₂ Fe ₁₄ B template for enhanced microwave absorption. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 149, 109755.	4.0	11

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37	Facile fabrication of white-emitting hybrid colloids and nanocomposite films using CdSe/CdS quantum dots and zinc phthalocyanines as building blocks. <i>Synthetic Metals</i> , 2016, 218, 9-18.	3.9	10
38	Synthesis and microwave absorption properties of sandwich-type CNTs/Fe ₃ O ₄ /RGO composite with Fe ₃ O ₄ as a bridge. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 15043-15049.	2.2	8
39	Formation of organometallic microstructures via self-assembling of carboxylated zinc phthalocyanines with selective adsorption and visible light-driven photodegradation of cationic dyes. <i>Journal of Materials Science</i> , 2018, 53, 492-505.	3.7	8
40	Tungstophosphoric acid-doped sulfonated poly(arylene ether nitriles) composite membranes with improved proton conductivity and excellent long-term stability. <i>Solid State Ionics</i> , 2020, 357, 115487.	2.7	5
41	Enhancing dielectric and mechanical properties of poly(arylene ether nitrile) based composites by introducing low content "core-shell" like structured MXene&PDA@ BaTiO ₃ . <i>High Performance Polymers</i> , 2021, 33, 1061-1073.	1.8	5
42	Scalable creation of gold nanostructures on high performance engineering polymeric substrate. <i>Applied Surface Science</i> , 2017, 426, 579-586.	6.1	4
43	Highly selective sulfonated Poly (arylene ether nitrile) composite membranes containing copper phthalocyanine grafted graphene oxide for direct methanol fuel cell. <i>High Performance Polymers</i> , 2022, 34, 253-263.	1.8	2
44	Sulfonated Poly(arylene ether nitrile)-Based Composite Membranes Enhanced with Ca ²⁺ Bridged Carbon Nanotube-Graphene Oxide Networks. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 2103-2112.	3.7	1
45	Electrospun nanofiber enhanced sulfonated poly(arylene ether nitriles)-based proton conducting membrane. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
46	5-Benzyl-2-phenyl-6,8-dihydro-5H-1,2,4-triazolo[3,4-c][1,4]oxazin-2-ium hexafluoridophosphate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1328-o1328.	0.2	0