

Guyu Xiao

List of Publications by Year in descending order

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42
papers

1,602
citations

331538

21
h-index

289141

40
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all docs

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docs citations

42
times ranked

1800
citing authors

#	ARTICLE	IF	CITATIONS
1	A facile approach to superhydrophobic and superoleophilic graphene/polymer aerogels. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3057.	5.2	224
2	Superhydrophobic and superoleophilic graphene aerogel prepared by facile chemical reduction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7498-7504.	5.2	160
3	Superior dispersions of reduced graphene oxide synthesized by using gallic acid as a reductant and stabilizer. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1481-1487.	5.2	139
4	High performance graphene-based foam fabricated by a facile approach for oil absorption. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11263-11270.	5.2	76
5	Synthesis of sulfonated poly(phthalazinone ether sulfone)s by direct polymerization. <i>Polymer</i> , 2002, 43, 5335-5339.	1.8	73
6	Sulfonated Polybenzothiazoles: A Novel Candidate for Proton Exchange Membranes. <i>Chemistry of Materials</i> , 2010, 22, 1022-1031.	3.2	67
7	Synthesis and properties of soluble sulfonated polybenzimidazoles from 3,3'-disulfonate-4,4'-dicarboxylbiphenyl as proton exchange membranes. <i>Journal of Membrane Science</i> , 2009, 334, 91-100.	4.1	58
8	Synthesis and characterization of sulfonated poly(phthalazinone ether phosphine oxide)s by direct polycondensation for proton exchange membranes. <i>Journal of Polymer Science Part A</i> , 2008, 46, 1758-1769.	2.5	55
9	Sulfonated Poly(arylene ether sulfone)s with Phosphine Oxide Moieties: A Promising Material for Proton Exchange Membranes. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1601-1607.	4.0	52
10	Polyelectrolytes for Fuel Cells Made of Sulfonated Poly(phthalazinone ether ketone)s. <i>Macromolecular Rapid Communications</i> , 2002, 23, 488.	2.0	46
11	Sulfonated poly(arylene thioether phosphine oxide)s copolymers for proton exchange membrane fuel cells. <i>Journal of Membrane Science</i> , 2008, 310, 303-311.	4.1	46
12	Synthesis and properties of soluble sulfonated polybenzimidazoles derived from asymmetric dicarboxylic acid monomers with sulfonate group as proton exchange membrane. <i>Journal of Membrane Science</i> , 2011, 369, 388-396.	4.1	43
13	High performance sulfonated poly(arylene ether phosphine oxide) membranes by self-protected cross-linking for fuel cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 13714.	6.7	41
14	Preparation and properties of polybenzimidazoles with sulfophenylsulfonyl pendant groups for proton exchange membranes. <i>Journal of Membrane Science</i> , 2010, 353, 51-59.	4.1	40
15	Synthesis and characterization of sulfonated poly(arylene ether phosphine oxide)s with fluorenyl groups by direct polymerization for proton exchange membranes. <i>Journal of Membrane Science</i> , 2009, 329, 99-105.	4.1	37
16	Synthesis and properties of hexafluoroisopropylidene-containing sulfonated poly(arylene thioether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 35, 2436-2445.	3.8	37
17	Synthesis of aromatic polyethersulfone-based graft copolyacrylates via ATRP catalyzed by FeCl ₂ /isophthalic acid. <i>Journal of Polymer Science Part A</i> , 2001, 39, 2943-2950.	2.5	31
18	Synthesis and properties of sulfonated poly(arylene ether phosphine oxide)s for proton exchange membranes. <i>Journal of Power Sources</i> , 2009, 188, 57-63.	4.0	29

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19	Synthesis and characterization of novel sulfonated poly(arylene ether ketone)s derived from 4,4'-sulfonyldiphenol. <i>Polymer Bulletin</i> , 2002, 48, 309-315.	1.7	26
20	Synthesis and properties of sulfonated polybenzothiazoles with benzimidazole moieties as proton exchange membranes. <i>Journal of Membrane Science</i> , 2010, 356, 70-77.	4.1	26
21	Novel sulfonated polybenzothiazoles with outstanding dimensional stability for proton exchange membranes. <i>Journal of Membrane Science</i> , 2013, 425-426, 200-207.	4.1	25
22	High performance sulfonated poly(phthalazinone ether phosphine oxide)s for proton exchange membranes. <i>Journal of Membrane Science</i> , 2013, 447, 43-49.	4.1	23
23	Sulfonated poly(arylene ether phosphine oxide)s with various distributions and contents of pendant sulfonic acid groups synthesized by direct polycondensation. <i>Polymer Chemistry</i> , 2014, 5, 412-422.	1.9	23
24	Soluble sulfonated polybenzothiazoles derived from 3,3'-disulfonate-4,4'-dicarboxylbiphenyl for proton exchange membranes. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 5170-5179.	3.8	20
25	Synthesis of superior dispersions of reduced graphene oxide. <i>New Journal of Chemistry</i> , 2013, 37, 2778.	1.4	19
26	High performance proton exchange membranes obtained by adjusting the distribution and content of sulfonic acid side groups. <i>Chemical Communications</i> , 2013, 49, 3979.	2.2	18
27	Sulfonated poly(arylene thioether phosphine oxide)/sulfonated benzimidazole blends for proton exchange membranes. <i>Journal of Membrane Science</i> , 2011, 372, 125-133.	4.1	17
28	Trisulfonation approach: To improve the properties of poly(arylene thioether phosphine oxide)s based proton exchange membranes. <i>Journal of Membrane Science</i> , 2016, 508, 32-39.	4.1	16
29	Synthesis and characterization of sulfonated poly(arylene ether ketone/ketone phosphine oxide)s as proton exchange membranes. <i>Journal of Membrane Science</i> , 2010, 362, 509-516.	4.1	15
30	Sulfonated poly(arylene ether)s with high content of phosphine oxide moieties for proton exchange membranes. <i>Journal of Membrane Science</i> , 2012, 389, 407-415.	4.1	15
31	N,S-Codoped Mesoporous Carbons Derived from Polymer Micelle-Based Assemblies for the Oxygen Reduction Reaction. <i>ACS Applied Energy Materials</i> , 2021, 4, 1954-1961.	2.5	15
32	Hierarchically porous carbons fabricated by dual pore-forming approach for the oxygen reduction reaction. <i>Carbon</i> , 2022, 189, 634-641.	5.4	14
33	A Strategy of Bifunctional Nanoscale Melamine-Resin Sphere Template to Fabricate Porous Carbons. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100244.	1.9	11
34	Synthesis and hydrolytic stability of soluble sulfonated polybenzoxazoles derived from bis(3-sulfonate-4-carboxyphenyl) sulfone. <i>Polymer Bulletin</i> , 2009, 62, 593-604.	1.7	10
35	Sulfonated poly(arylene thioether phosphine oxide)s (sPTPO) and sPTPO/sulfonated polybenzothiazole blends as proton exchange membranes. <i>RSC Advances</i> , 2016, 6, 21367-21375.	1.7	9
36	Synthesis of poly(aryl ether sulfone)-graft-polystyrene and poly(aryl ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (sulfone)-graft-[p polymerization. <i>Polymer International</i> , 2002, 51, 673-679.	1.6	8

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37	Comparison of the water uptake and swelling between sulfonated poly(phthalazinone ether ketone) Tj ETQq1 1 0.784314 rgBT /Over	1.7	14
38	Hierarchically porous doped carbons fabricated by the strategy of ion transfer coordination (ITC). Journal of Materials Chemistry A, 2022, 10, 9129-9136.	5.2	8
39	Mesoporous Zeolitic Imidazolate Frameworks. CCS Chemistry, 2022, 4, 2906-2913.	4.6	7
40	<i>In silico</i> study of structure and water dynamics in CNT/polyamide nanocomposite reverse osmosis membranes. Physical Chemistry Chemical Physics, 2020, 22, 22324-22331.	1.3	6
41	Sulfonated poly(arylene thioether ketone ketone sulfone)s for proton exchange membranes with high oxidative stability. E-Polymers, 2005, 5, .	1.3	5
42	Synthesis of soluble sulfonated polybenzimidazoles derived from 2-sulfonate terephthalic acid. E-Polymers, 2008, 8, .	1.3	4