Qingting Liu

List of Publications by Year
in descending order

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38 papers	681 citations	623734 14 h-index	580821 25 g-index
38 all docs	38 docs citations	38 times ranked	747 citing authors

#	Article	IF	Citations
1	Highly flexible strain sensors based on polydimethylsiloxane/carbon nanotubes (CNTs) prepared by a swelling/permeating method and enhanced sensitivity by CNTs surface modification. Composites Science and Technology, 2019, 171, 218-225.	7.8	62
2	Designing high electrochemical surface area between polyaniline and hydrogel polymer electrolyte for flexible supercapacitors. Applied Surface Science, 2020, 507, 145135.	6.1	60
3	Poly(2,5-benzimidazole)/sulfonated sepiolite composite membranes with low phosphoric acid doping levels for PEMFC applications in a wide temperature range. Journal of Membrane Science, 2019, 574, 282-298.	8.2	57
4	Design of sepiolite-supported ionogel-embedded composite membranes without proton carrier wastage for wide-temperature-range operation of proton exchange membrane fuel cells. Journal of Materials Chemistry A, 2019, 7, 15288-15301.	10.3	54
5	Improved cell morphology and reduced shrinkage ratio of ETPU beads by reactive blending. Polymer Testing, 2017, 63, 38-46.	4.8	51
6	Enhancing the Melt Strength of Poly(Lactic Acid) via Micro-Crosslinking and Blending with Poly(Butylene Adipate-co-Butylene Terephthalate)for the Preparation of Foams. Journal of Polymers and the Environment, 2017, 25, 1335-1341.	5.0	34
7	Facile one-step preparation of laminated PDMS based flexible strain sensors with high conductivity and sensitivity via filler sedimentation. Composites Science and Technology, 2020, 186, 107933.	7.8	33
8	Sulfonated poly(2,5-benzimidazole) (ABPBI)/ MMT/ ionic liquids composite membranes for high temperature PEM applications. International Journal of Hydrogen Energy, 2015, 40, 16767-16774.	7.1	32
9	Polyaniline Nanorod Arrays as a Cathode Material for High-Rate Zinc-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 12360-12367.	5.1	32
10	A Self-Charging Hybrid Electric Power Device with High Specific Energy and Power. ACS Energy Letters, 2018, 3, 2425-2432.	17.4	30
11	Bioinspired design of flexible strain sensor with high performance based on gradient filler distributions. Composites Science and Technology, 2020, 200, 108319.	7.8	18
12	Homogeneously dispersed composites of hydroxyapatite nanorods and poly(lactic acid) and their mechanical properties and crystallization behavior. Composites Part A: Applied Science and Manufacturing, 2020, 132, 105841.	7.6	18
13	Study on Kinetics of Natural Rubber Vulcanization by S/La(DiPDP)3. Journal of Rare Earths, 2007, 25, 396-400.	4.8	16
14	Novel octopus shaped organicâ€“inorganic composite membranes for PEMFCs. International Journal of Hydrogen Energy, 2016, 41, 16160-16166.	7.1	14
15	Hydrophilic PDMS with a sandwich-like structure and no loss of mechanical properties and optical transparency. Applied Surface Science, 2020, 503, 144126.	6.1	14
16	Preparation and properties of flexible conductive polydimethylsiloxane composites containing hybrid fillers. Polymer Bulletin, 2019, 76, 6487-6501.	3.3	13
17	Simultaneous improvement of thermal conductivity and mechanical properties for mechanically mixed ABS/hâ€BN composites by using small amounts of hyperbranched polymer additives. Journal of Applied Polymer Science, 2020, 137, 49186.	2.6	12
18	Reticulated polyaniline nanowires as a cathode microporous layer for high-temperature PEMFCs. International Journal of Hydrogen Energy, 2021, 46, 8802-8809.	7.1	12

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19	Polyethyleneimine-filled sepiolite nanorods-embedded poly(2,5-benzimidazole) composite membranes for wide-temperature PEMFCs. Journal of Cleaner Production, 2022, 359, 131977.	9.3	12
20	Improved cell morphology and thermal properties of expanded polypropylene beads by the addition of PP with a high melting point. Journal of Applied Polymer Science, 2017, 134, 45121.	2.6	11
21	Preparation of CNTs/PP@Gr composites with a segregated structure and enhanced electrical and thermal conductive properties by the Pickering emulsion method. Composites Science and Technology, 2022, 222, 109374.	7.8	11
22	Poly(2,5-benzimidazole)/trisilanolphenyl POSS composite membranes for intermediate temperature PEM fuel cells. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 212-220.	1.0	10
23	Improved electrical heating properties for polymer nanocomposites by electron beam irradiation. Polymer Bulletin, 2018, 75, 2847-2863.	3.3	10
24	Advanced montmorillonite modification by using corrosive microorganisms as an alternative filler to reinforce natural rubber. Applied Clay Science, 2022, 225, 106534.	5.2	10
25	Polypyrrole nanowires as a cathode microporous layer for direct methanol fuel cell to enhance oxygen transport. International Journal of Energy Research, 2021, 45, 3375-3384.	4.5	9
26	A scalable highly thermal conductive silicone rubber composite with orientated graphite by pre-vulcanizing and multilayer stacking method. Composites Part A: Applied Science and Manufacturing, 2022, 157, 106944.	7.6	9
27	Enhanced electrical properties of graphite/ABS composites prepared via supercritical CO2 processing. Polymer Bulletin, 2017, 74, 4279-4295.	3.3	6
28	Advanced coal fly ash modification by using corrosive microorganisms as alternative filler-reinforcing fluororubbers. Materials Letters, 2019, 246, 32-35.	2.6	6
29	In situ synthesis of star copolymers consisting of a <scp>polyhedral oligomeric silsesquioxane</scp> core and poly(2,5â€benzimidazole) arms for highâ€temperature proton exchange membrane fuel cells. International Journal of Energy Research, 2020, 44, 8769-8780.	4.5	6
30	Novel ABPBI/POSS Composite Membranes for High Temperature PEMFC Applications. ECS Transactions, 2011, 30, 25-32.	0.5	4
31	Carbon paper-free membrane electrode assembly fabricated from a Pt electrocatalyst supported on multi-walled carbon nanotubes. Journal of Materials Science, 2017, 52, 8412-8420.	3.7	4
32	The tunable sensing behaviors of flexible conductive PDMS/NCG composites via regulation of filler size prepared by a facile sedimentation method. Composites Science and Technology, 2021, 216, 109037.	7.8	4
33	Enhanced Specific Capacitance and Stability of Polyaniline by Nafion Doping. ChemElectroChem, 2022, 9, .	3.4	2
34	A Modified Fourâ€Probe Method to Separate Ionic Conductance from Composite Conductors. ChemElectroChem, 2020, 7, 3535-3538.	3.4	1
35	Facile method for preparation of micronized fly ash by microbial corrosion and ballâ€milling. Micro and Nano Letters, 2021, 16, 610.	1.3	1
36	Preparation and Properties of ABPBI/POSS/IL Hybrid Proton Exchange Membrane Operated in Wide Temperature Range. DEStech Transactions on Environment Energy and Earth Science, 2017, , .	0.0	1

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37	Preparation and Properties of Poly(2,5-benzimidazole)/Sulfonated Sepiolite Composite Proton Exchange Membrane. DEStech Transactions on Environment Energy and Earth Science, 2017, , .	0.0	1
38	Improved Sensitivity of Flexible Conductive Composites Throughout the Working Strain Range Based on Bioinspired Strain Redistribution. ACS Applied Polymer Materials, 2022, 4, 1608-1616.	4.4	1