

Huabo Huang

List of Publications by Year in descending order

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33
papers

938
citations

430874

18
h-index

454955

30
g-index

33
all docs

33
docs citations

33
times ranked

1200
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphology-controlled fabrication of polypyrrole hydrogel for solid-state supercapacitor. Journal of Power Sources, 2018, 407, 105-111.	7.8	109
2	Reinforced conducting hydrogels prepared from the in situ polymerization of aniline in an aqueous solution of sodium alginate. Journal of Materials Chemistry A, 2014, 2, 16516-16522.	10.3	93
3	Reinforced polyaniline/polyvinyl alcohol conducting hydrogel from a freezing-thawing method as self-supported electrode for supercapacitors. Journal of Materials Science, 2016, 51, 8728-8736.	3.7	75
4	Electrochemical synthesis of graphene/polypyrrole nanotube composites for multifunctional applications. Synthetic Metals, 2017, 227, 100-105.	3.9	62
5	Facile preparation of halloysite/polyaniline nanocomposites via in situ polymerization and layer-by-layer assembly with good supercapacitor performance. Journal of Materials Science, 2016, 51, 4047-4054.	3.7	56
6	Facile Synthesis of N,S-Codoped Hierarchically Porous Carbon with High Volumetric Pseudocapacitance. ACS Sustainable Chemistry and Engineering, 2019, 7, 16710-16719.	6.7	45
7	Facile Assembly of Polyaniline/Graphene Oxide Composite Hydrogels as Adsorbent for Cr(VI) Removal. Polymer Composites, 2019, 40, E1777.	4.6	42
8	Highly Stretchable, Fast Self-Healing, Responsive Conductive Hydrogels for Supercapacitor Electrode and Motion Sensor. Macromolecular Materials and Engineering, 2020, 305, 2000018.	3.6	42
9	Facile synthesis of nitrogen-doped graphene aerogels for electrochemical detection of dopamine. Solid State Sciences, 2018, 86, 6-11.	3.2	41
10	Fabrication of poly(vinyl alcohol)-graphene oxide-polypyrrole composite hydrogel for elastic supercapacitors. Journal of Materials Science, 2020, 55, 11779-11791.	3.7	36
11	Graphene oxide/polypyrrole/polyaniline composite hydrogel synthesized by vapor-liquid interfacial method for supercapacitors. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 626, 127125.	4.7	30
12	Conducting Hydrogels of Tetraaniline-g-poly(vinyl alcohol) in Situ Reinforced by Supramolecular Nanofibers. ACS Applied Materials & Interfaces, 2014, 6, 1595-1600.	8.0	29
13	Facile fabrication of elastic conducting polypyrrole nanotube aerogels. Synthetic Metals, 2016, 218, 50-55.	3.9	29
14	Synthesis of hierarchical reduced graphene oxide/SnO ₂ /polypyrrole ternary composites with high electrochemical performance. Materials Research Bulletin, 2016, 80, 303-308.	5.2	28
15	Facile assembly of polypyrrole/Prussian blue aerogels for hydrogen peroxide reduction. Synthetic Metals, 2016, 213, 73-77.	3.9	22
16	High-performance Si flexible anode with rGO substrate and Ca ²⁺ crosslinked sodium alginate binder for lithium ion battery. Synthetic Metals, 2019, 247, 212-218.	3.9	22
17	A micropore-dominant N,P,S-codoped porous carbon originating from hydrogel for high-performance supercapacitors mediated by phytic acid. Microporous and Mesoporous Materials, 2021, 316, 110951.	4.4	21
18	Achieving mesoporous MnO ₂ @polyaniline nanohybrids via a gas/liquid interfacial reaction between aniline and KMnO ₄ aqueous solution towards Zn-MnO ₂ battery. Synthetic Metals, 2020, 266, 116438.	3.9	20

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19	3D Nanostructured Polypyrrole/Sodium Alginate Conducting Hydrogel from self-assembly with High Supercapacitor Performance. <i>Journal of Macromolecular Science - Physics</i> , 2017, 56, 532-540.	1.0	18
20	One-Step Synthesis of Graphene Oxide/Polypyrrole/MnO ₂ Ternary Nanocomposites with an Improved Electrochemical Capacitance. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4356-4361.	0.9	15
21	Reinforced polyaniline-dodecyl benzene sulfonate hydrogel with well-aligned fibrous morphology as durable electrode materials for Zn-ion battery. <i>Synthetic Metals</i> , 2021, 274, 116721.	3.9	13
22	Interfacial fabrication of polypyrrole/sulfonated reduced graphene oxide nanocomposites for electrochemical capacitors. <i>Polymer Composites</i> , 2018, 39, E378.	4.6	12
23	Polypyrrole wrapped graphene/TiO ₂ composites hydrogels for high performance supercapacitors. <i>Materials Research Express</i> , 2019, 6, 085044.	1.6	11
24	Facile fabrication of MnO ₂ -embedded 3-D porous polyaniline composite hydrogel for supercapacitor electrode with high loading. <i>High Performance Polymers</i> , 2020, 32, 286-295.	1.8	11
25	Polyaniline-poly(styrene sulfonate) hydrogel-derived hierarchically porous N, S-codoped carbon for high-performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 8916-8931.	2.2	10
26	Conducting hydrogels originating from high-pressure induced gelation of poly(vinyl alcohol) and in-situ polymerization of aniline. <i>Synthetic Metals</i> , 2016, 221, 15-18.	3.9	9
27	Fabrication of poly(N-methylpyrrole) nanotubes for detection of dopamine. <i>Polymer Bulletin</i> , 2018, 75, 2357-2368.	3.3	8
28	High-performance poly(vinyl alcohol)-chitosan sponge modified with graphene oxide. <i>Polymer Bulletin</i> , 2019, 76, 3059-3071.	3.3	7
29	Synchronously Strengthen and Toughen Polypropylene Using Tartaric Acid-Modified Nano-CaCO ₃ . <i>Nanomaterials</i> , 2021, 11, 2493.	4.1	7
30	Elastic polypyrrole hydrogels reinforced by TEMPO-oxidized cellulose for supercapacitors. <i>Synthetic Metals</i> , 2021, 282, 116952.	3.9	7
31	Ultra-stretchable, fast self-healing, conductive hydrogels for writing circuits and magnetic sensors. <i>Polymer International</i> , 2022, 71, 837-846.	3.1	5
32	Effect of temperature on self-assembly/disassembly transition of dialkylurea supramolecular gels at high pressure. <i>RSC Advances</i> , 2013, 3, 11854.	3.6	3
33	Effect of 1-hydroxyethane-1, 1-diphosphonic acid on the hydration of ordinary Portland cement. <i>Journal of Sustainable Cement-Based Materials</i> , 2014, 3, 47-60.	3.1	0