Zhaoyang Xu

List of Publications by Citations

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Version: 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21 papers	663 citations	14 h-index	24 g-index
24 ext. papers	918 ext. citations	5.3 avg, IF	4.77 L-index

#	Paper	IF	Citations
21	Shape memory aerogels from nanocellulose and polyethyleneimine as a novel adsorbent for removal of Cu(II) and Pb(II). *Carbohydrate Polymers*, **2018**, 196, 376-384	10.3	98
20	Pretreatment methods for bioethanol production. *Applied Biochemistry and Biotechnology*, **2014**, 174, 43-62	3.2	79
19	Thermo-responsive and fluorescent cellulose nanocrystals grafted with polymer brushes. *Journal of Materials Chemistry A*, **2015**, 3, 1995-2005	13	60
18	Ultralight, highly compressible, hydrophobic and anisotropic lamellar carbon aerogels from graphene/polyvinyl alcohol/cellulose nanofiber aerogel as oil removing absorbents. *Journal of Hazardous Materials*, **2020**, 388, 121804	12.8	54
17	Morphological and swelling behavior of cellulose nanofiber (CNF)/poly(vinyl alcohol) (PVA) hydrogels: poly(ethylene glycol) (PEG) as porogen. *RSC Advances*, **2016**, 6, 43626-43633	3.7	54
16	Nanocellulose/Gelatin Composite Cryogels for Controlled Drug Release. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 6381-6389	8.3	49
15	Anisotropic Cellulose Nanofibers/Polyvinyl Alcohol/Graphene Aerogels Fabricated by Directional Freeze-drying as Effective Oil Adsorbents. *Polymers*, **2019**, 11,	4.5	45
14	Preparation of magnetic hydrophobic polyvinyl alcohol (PVA)□ellulose nanofiber (CNF) aerogels as effective oil absorbents. *Cellulose*, **2018**, 25, 1217-1227	5.5	42
13	Ultralight super-hydrophobic carbon aerogels based on cellulose nanofibers/poly(vinyl alcohol)/graphene oxide (CNFs/PVA/GO) for highly effective oil-water separation. *Beilstein Journal of Nanotechnology*, **2018**, 9, 508-519	3	38
12	Anisotropic Nanocellulose Aerogel Loaded with Modified UiO-66 as Efficient Adsorbent for Heavy Metal Ions Removal. *Nanomaterials*, **2020**, 10,	5.4	20
11	Facile synthesis of reduced graphene oxide/trimethyl chlorosilane-coated cellulose nanofibres aerogel for oil absorption. *IET Nanobiotechnology*, **2017**, 11, 929-934	2	20
10	Preparation and characterisation of CNF/MWCNT carbon aerogel as efficient adsorbents. *IET Nanobiotechnology*, **2018**, 12, 500-504	2	18
9	Adsorption characteristics of directional cellulose nanofiber/chitosan/montmorillonite aerogel as adsorbent for wastewater treatment. *Separation and Purification Technology*, **2021**, 274, 119120	8.3	18
8	Fabrication of a flexible film electrode based on cellulose nanofibers aerogel dispersed with functionalized graphene decorated with SnO2 for supercapacitors. *Journal of Materials Science*, **2018**, 53, 11648-11658	4.3	16
7	Preparation and characteristics of cellulose nanowhisker reinforced acrylic foams synthesized by freeze-casting. *RSC Advances*, **2014**, 4, 12148	3.7	13
6	Modified Carbon Fiber Paper-Based Electrodes Wrapped by Conducting Polymers with Enhanced Electrochemical Performance for Supercapacitors. *Polymers*, **2018**, 10,	4.5	12
5	Directional, super-hydrophobic cellulose nanofiber/polyvinyl alcohol/montmorillonite aerogels as green absorbents for oil/water separation. *IET Nanobiotechnology*, **2021**, 15, 135-146	2	8

4	Directional preparation of superhydrophobic magnetic CNF/PVA/MWCNT carbon aerogel. *IET Nanobiotechnology*, **2019**, 13, 565-570	2	7
3	Toward Strong and Tough Wood-Based Hydrogels for Sensors. *Biomacromolecules*, **2021**,	6.9	3
2	Two-Dimensional Metal□Organic Framework Nanosheets Grown on Carbon Fiber Paper Interwoven with Polyaniline as an Electrode for Supercapacitors. *Energy & Fuels*, **2021**, 35, 19818-19826	4.1	3
1	Hydrophobic nanocellulose aerogels with high loading of metal-organic framework particles as floating and reusable oil absorbents. *Frontiers of Chemical Science and Engineering*, **2021**, 15, 1158-1168	4.5	3