Yan Qing

List of Publications by Year
in descending order

74 papers	3,320 citations	147801 31 h-index	149698 56 g-index
76 all docs	76 docs citations	76 times ranked	4374 citing authors

#	Article	IF	Citations
1	Degradation of urea-formaldehyde resin residues by a hydrothermal oxidation method into recyclable small molecular organics. Journal of Hazardous Materials, 2022, 426, 127783.	12.4	10
2	Anisotropic cellulose nanocrystal hydrogel with multi-stimuli response to temperature and mechanical stress. Carbohydrate Polymers, 2022, 280, 119005.	10.2	14
3	Deconstruction of Poplar Wood using Peracetic Acid and FeCl 3 in Hot Water. ChemistrySelect, 2022, 7, .	1.5	0
4	CoP Nanoparticle Confined in P, N Coâ€Doped Porous Carbon Anchored on Pâ€Doped Carbonized Wood Fibers with Tailored Electronic Structure for Efficient Urea Electroâ€Oxidation. Small, 2022, 18, e2200950.	10.0	48
5	Approaching well-dispersed MoS2 assisted with cellulose nanofiber for highly durable hydrogen evolution reaction. Carbohydrate Polymers, 2022, 294, 119754.	10.2	5
6	Constructing hollow nanorod arrays by nickelâ€“cobalt phosphide nanosheets as high-performance electrocatalysts for urea-assisted energy-efficient hydrogen generation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 651, 129695.	4.7	5
7	Electronic structure modulation of nickel hydroxide porous nanowire arrays via manganese doping for urea-assisted energy-efficient hydrogen generation. Journal of Colloid and Interface Science, 2022, 626, 445-452.	9.4	24
8	Construction of NiS/Ni3S4 heteronanorod arrays in graphitized carbonized wood frameworks as versatile catalysts for efficient urea-assisted water splitting. Journal of Colloid and Interface Science, 2022, 626, 848-857.	9.4	21
9	Lignin-derived hierarchical porous carbon supported Pd nanoparticles as an efficient electrocatalyst for ethanol oxidation. Journal of Porous Materials, 2021, 28, 337-344.	2.6	5
10	A branch-like Mo-doped Ni₃S₂ nanoforest as a high-efficiency and durable catalyst for overall urea electrolysis. Journal of Materials Chemistry A, 2021, 9, 3418-3426.	10.3	93
11	Calcium carbonate modified ureaâ€“formaldehyde resin adhesive for strength enhanced medium density fiberboard production. RSC Advances, 2021, 11, 25010-25017.	3.6	8
12	Preparation and Formation Mechanism of Covalentâ€“Noncovalent Forces Stabilizing Lignin Nanospheres and Their Application in Superhydrophobic and Carbon Materials. ACS Sustainable Chemistry and Engineering, 2021, 9, 3811-3820.	6.7	34
13	A coating-free superhydrophobic sensing material for full-range human motion and microliter droplet impact detection. Chemical Engineering Journal, 2021, 410, 128418.	12.7	22
14	Fabrication of Robust, Highly Conductive, and Elastic Hybrid Carbon Foam Platform for High-Performance Compressible Asymmetry Supercapacitors. ACS Omega, 2021, 6, 14230-14241.	3.5	6
15	New insight into island-like structure driven from hydroxyl groups for high-performance superhydrophobic surfaces. Chemical Engineering Journal, 2021, 416, 129078.	12.7	12
16	Porous 3D Honeycomb Structure Biomass Carbon as a Supercapacitor Electrode Material to Achieve Efficient Energy Storage. Industrial & Engineering Chemistry Research, 2021, 60, 11079-11085.	3.7	22
17	Boosting oxygen evolution activity of NiFe layered double hydroxide through interface engineering assisted with naturally-hierarchical wood. Chemical Engineering Journal, 2021, 421, 129751.	12.7	41
18	Fundamental understanding of electrochemical catalytic performance of carbonized natural wood: wood species and carbonization temperature. Sustainable Energy and Fuels, 2021, 5, 6077-6084.	4.9	9

#	Article	IF	Citations
19	Electrodes derived from carbon fiber-reinforced cellulose nanofiber/multiwalled carbon nanotube hybrid aerogels for high-energy flexible asymmetric supercapacitors. Chemical Engineering Journal, 2020, 379, 122325.	12.7	59
20	Manipulating nickel oxides in naturally derived cellulose nanofiber networks as robust cathodes for high-performance Niâ€"Zn batteries. Journal of Materials Chemistry A, 2020, 8, 565-572.	10.3	53
21	Construction of N-doped carbon nanotube encapsulated active nanoparticles in hierarchically porous carbonized wood frameworks to boost the oxygen evolution reaction. Applied Catalysis B: Environmental, 2020, 279, 119367.	20.2	65
22	Configuring hierarchical Ni/NiO 3D-network assisted with bamboo cellulose nanofibers for high-performance Niâ€"Zn aqueous batteries. Nanoscale, 2020, 12, 14651-14660.	5.6	29
23	<i>In Situ</i> Growth of Porous Ultrathin Ni(OH)₂ Nanostructures on Nickel Foam: An Efficient and Durable Catalysts for Urea Electrolysis. ACS Applied Energy Materials, 2020, 3, 2996-3004.	5.1	46
24	Well-aligned arrangement CoFe nanoparticles assisted with cellulose nanofibrils for efficient oxygen evolution reaction. Applied Surface Science, 2020, 510, 145484.	6.1	12
25	Ni@Ni₂P Encapsulation in Interconnected N-Doped Carbonized Cellulose Nanofibril Network for Efficient Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2020, 8, 1859-1867.	6.7	20
26	Ultralight Industrial Bamboo Residue-Derived Holocellulose Thermal Insulation Aerogels with Hydrophobic and Fire Resistant Properties. Materials, 2020, 13, 477.	2.9	17
27	Ferric Ions Modified Polyvinyl Alcohol for Enhanced Molecular Structure and Mechanical Performance. Materials, 2020, 13, 1412.	2.9	9
28	<i>In situ</i> filling of a robust carbon sponge with hydrogel electrolyte: a type of omni-healable electrode for flexible supercapacitors. Journal of Materials Chemistry A, 2020, 8, 7746-7755.	10.3	11
29	A Comparison Study on the Characteristics of Nanofibrils Isolated from Fibers and Parenchyma Cells in Bamboo. Materials, 2020, 13, 237.	2.9	26
30	Manipulation of Nanoplate Structures in Carbonized Cellulose Nanofibril Aerogel for High-Performance Supercapacitor. Journal of Physical Chemistry C, 2019, 123, 23374-23381.	3.1	31
31	Naturalâ€Celluloseâ€Nanofibrilâ€Tailored NiFe Nanoparticles for Efficient Oxygen Evolution Reaction. ChemElectroChem, 2019, 6, 3303-3310.	3.4	10
32	Obtaining nanofibers from lignocellulosic residues after bioethanol production. Cellulose, 2019, 26, 3725-3734.	4.9	6
33	Crâ€Doped FeNiâ€"P Nanoparticles Encapsulated into Nâ€Doped Carbon Nanotube as a Robust Bifunctional Catalyst for Efficient Overall Water Splitting. Advanced Materials, 2019, 31, e1900178.	21.0	246
34	Thermally-induced all-damage-healable superhydrophobic surface with photocatalytic performance from hierarchical BiOCl. Chemical Engineering Journal, 2019, 366, 439-448.	12.7	37
35	Cellulose nanofibrils enable flower-like BiOCl for high-performance photocatalysis under visible-light irradiation. Applied Surface Science, 2019, 464, 606-615.	6.1	63
36	Chiral nematic assemblies of silver nanoparticles in cellulose nanocrystal membrane with tunable optical properties. Journal of Materials Science, 2019, 54, 6699-6708.	3.7	11

#	Article	IF	Citations
37	Texturing commercial epoxy with hierarchical and porous structure for robust superhydrophobic coatings. Applied Surface Science, 2019, 466, 84-91.	6.1	54
38	Cellulose Nanofibrils Aerogel Cross-Linked by Poly(vinyl alcohol) and Acrylic Acid for Efficient and Recycled Adsorption with Heavy Metal Ions. Journal of Nanoscience and Nanotechnology, 2018, 18, 4167-4175.	0.9	25
39	Efficiently texturing hierarchical epoxy layer for smart superhydrophobic surfaces with excellent durability and exceptional stability exposed to fire. Chemical Engineering Journal, 2018, 348, 212-223.	12.7	68
40	A Temperatureâ€Controlled, Conductive PANI@CNFs/MEO₂MA/PEGMA Hydrogel for Flexible Temperature Sensors. Macromolecular Rapid Communications, 2018, 39, e1700836.	3.9	30
41	Stretchable alkaline poly(acrylic acid) electrolyte with high ionic conductivity enhanced by cellulose nanofibrils. Electrochimica Acta, 2018, 270, 302-309.	5.2	37
42	Reusable and crossâ€linked cellulose nanofibrils aerogel for the removal of heavy metal ions. Polymer Composites, 2018, 39, 4442-4451.	4.6	27
43	Hierarchically Interconnected N-Doped Carbon Aerogels Derived from Cellulose Nanofibrils as High Performance and Stable Electrodes for Supercapacitors. Journal of Physical Chemistry C, 2018, 122, 23852-23860.	3.1	30
44	One-step approach to prepare superhydrophobic wood with enhanced mechanical and chemical durability: Driving of alkali. Applied Surface Science, 2018, 455, 115-122.	6.1	51
45	Cellulose nanofibrils anchored Ag on graphitic carbon nitride for efficient photocatalysis under visible light. Environmental Science: Nano, 2018, 5, 2129-2143.	4.3	27
46	Fe₃O₄ nanoparticles embedded in cellulose nanofibre/graphite carbon hybrid aerogels as advanced negative electrodes for flexible asymmetric supercapacitors. Journal of Materials Chemistry A, 2018, 6, 17378-17388.	10.3	42
47	Lignocellulose-derived porous phosphorus-doped carbon as advanced electrode for supercapacitors. Journal of Power Sources, 2017, 351, 130-137.	7.8	244
48	A facile and novel emulsion for efficient and convenient fabrication of durable superhydrophobic materials. Chemical Engineering Journal, 2017, 328, 186-196.	12.7	87
49	A green route to prepare fluorescent and absorbent nano-hybrid hydrogel for water detection. Scientific Reports, 2017, 7, 4380.	3.3	32
50	Nanocellulose composites with enhanced interfacial compatibility and mechanical properties using a hybrid-toughened epoxy matrix. Carbohydrate Polymers, 2017, 177, 249-257.	10.2	28
51	Preparation and Characterization of Ethyl Cellulose-Based Coreâ€“Shell Microcapsules Containing Argy Wormwood Solution. Journal of Nanoscience and Nanotechnology, 2016, 16, 12444-12448.	0.9	5
52	A versatile and efficient method to fabricate durable superhydrophobic surfaces on wood, lignocellulosic fiber, glass, and metal substrates. Journal of Materials Chemistry A, 2016, 4, 14111-14121.	10.3	132
53	Mechanically strong and thermosensitive hydrogels reinforced with cellulose nanofibrils. Polymer Chemistry, 2016, 7, 7142-7151.	3.9	44
54	Cellulose Nanofibers as a Modifier for Rheology, Curing and Mechanical Performance of Oil Well Cement. Scientific Reports, 2016, 6, 31654.	3.3	59

#	Article	IF	Citations
55	Facile and scalable preparation of highly wear-resistance superhydrophobic surface on wood substrates using silica nanoparticles modified by VTES. Applied Surface Science, 2016, 386, 115-124.	6.1	64
56	Cellulose Nanocrystals and Polyanionic Cellulose as Additives in Bentonite Water-Based Drilling Fluids: Rheological Modeling and Filtration Mechanisms. Industrial & Engineering Chemistry Research, 2016, 55, 133-143.	3.7	152
57	Preparation of highly charged cellulose nanofibrils using high-pressure homogenization coupled with strong acid hydrolysis pretreatments. Carbohydrate Polymers, 2016, 136, 485-492.	10.2	103
58	Self-assembled optically transparent cellulose nanofibril films: effect of nanofibril morphology and drying procedure. Cellulose, 2015, 22, 1091-1102.	4.9	61
59	Facile fabrication of superhydrophobic surfaces on wood substrates via a one-step hydrothermal process. Applied Surface Science, 2015, 330, 332-338.	6.1	56
60	Cellulose Nanoparticles: Structureâ€"Morphologyâ€"Rheology Relationships. ACS Sustainable Chemistry and Engineering, 2015, 3, 821-832.	6.7	379
61	Comparative Performance of Three Magnesium Compounds on Thermal Degradation Behavior of Red Gum Wood. Materials, 2014, 7, 637-652.	2.9	14
62	Synergistic Effect of Nanosilica Aerogel with Phosphorus Flame Retardants on Improving Flame Retardancy and Leaching Resistance of Wood. Journal of Nanomaterials, 2014, 2014, 1-8.	2.7	22
63	Flame retardancy and thermal degradation behavior of red gum wood treated with hydrate magnesium chloride. Journal of Industrial and Engineering Chemistry, 2014, 20, 3536-3542.	5.8	12
64	A comparative study of cellulose nanofibrils disintegrated via multiple processing approaches. Carbohydrate Polymers, 2013, 97, 226-234.	10.2	253
65	Resin impregnation of cellulose nanofibril films facilitated by water swelling. Cellulose, 2013, 20, 303-313.	4.9	36
66	Water-Triggered Dimensional Swelling of Cellulose Nanofibril Films: Instant Observation Using Optical Microscope. Journal of Nanomaterials, 2013, 2013, 1-6.	2.7	11
67	Effect of freeze dry on the properties of cellulose nanofibrils/phenol formaldehyde nanocomposites. , 2012, , .		0
68	Performance Evaluation of Flame-Retardant NSCFR-Treated Laminated Veneer Lumber(LVL) Partâ…:Thermal, Physical and Mechanical Properties. Advanced Materials Research, 2010, 168-170, 2106-2110.	0.3	0
69	Study on Energy Saving of Chinese-fir Wood Carbonization Process Based on Moisture Absorption Characteristics. , 2009, , .		0
70	Study on Bioenergy Recovery of Chemical Components of Bambusa Blumeana by Py-GC/MS. , 2009, , .		0
71	Study on Extraction Technology of Hemicellulose from Pinus massoniana Waste Wood for Bioenergy. , 2009, , .		0
72	Effects of Fiber Mass Fraction and Alkali Concentration on Mechanical Properties of Biodegradable Composites. Advanced Materials Research, 0, 152-153, 1677-1682.	0.3	0

#	Article	IF	Citations
73	Effects of Different Pretreatments of Wood Fiber on Mechanical Properties of Biodegradable Composite. Advanced Materials Research, 0, 150-151, 1438-1443.	0.3	0
74	Preparation of Silicon Reinforced Poplar Wood Composites and their Thermal Properties. Applied Mechanics and Materials, 0, 48-49, 848-852.	0.2	2