

Xiaoying Wang

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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.

119 papers	3,866 citations	32 h-index	57 g-index
122 ext. papers	4,693 ext. citations	7 avg, IF	5.61 L-index

#	Paper	IF	Citations
119	Lipoprotein receptor-mediated induction of matrix metalloproteinase by tissue plasminogen activator. <i>Nature Medicine</i> , 2003 , 9, 1313-7	50.5	392
118	Evidence for apoptosis after intercerebral hemorrhage in rat striatum. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000 , 20, 396-404	7.3	230
117	Reduction of tissue plasminogen activator-induced hemorrhage and brain injury by free radical spin trapping after embolic focal cerebral ischemia in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000 , 20, 452-7	7.3	163
116	Hemoglobin-induced cytotoxicity in rat cerebral cortical neurons: caspase activation and oxidative stress. <i>Stroke</i> , 2002 , 33, 1882-8	6.7	158
115	Novel chitosan films with laponite immobilized Ag nanoparticles for active food packaging. <i>Carbohydrate Polymers</i> , 2018 , 199, 210-218	10.3	155
114	Bioprinted thrombosis-on-a-chip. <i>Lab on A Chip</i> , 2016 , 16, 4097-4105	7.2	146
113	Secretion of matrix metalloproteinase-2 and -9 after mechanical trauma injury in rat cortical cultures and involvement of MAP kinase. <i>Journal of Neurotrauma</i> , 2002 , 19, 615-25	5.4	98
112	High-value utilization of lignin to synthesize Ag nanoparticles with detection capacity for Hg ²⁺ . <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 16147-55	9.5	92
111	Dual effects of carbon monoxide on pericytes and neurogenesis in traumatic brain injury. <i>Nature Medicine</i> , 2016 , 22, 1335-1341	50.5	90
110	Neuronal production of lipocalin-2 as a help-me signal for glial activation. <i>Stroke</i> , 2014 , 45, 2085-92	6.7	88
109	A novel biopolymer/rectorite nanocomposite with antimicrobial activity. <i>Carbohydrate Polymers</i> , 2009 , 77, 449-456	10.3	86
108	Green synthesis of silver nanoparticles in xylan solution via Tollens reaction and their detection for Hg(2+). <i>Nanoscale</i> , 2015 , 7, 690-700	7.7	83
107	Multifunctional chitosan-based coating with liposomes containing laurel essential oils and nanosilver for pork preservation. <i>Food Chemistry</i> , 2019 , 295, 16-25	8.5	74
106	Stroke-induced immunosuppression and poststroke infection. <i>Stroke and Vascular Neurology</i> , 2018 , 3, 34-41	9.1	67
105	Chitosan derivatives/reduced graphene oxide/alginate beads for small-molecule drug delivery. <i>Materials Science and Engineering C</i> , 2016 , 69, 1222-8	8.3	64
104	Double-negative T cells remarkably promote neuroinflammation after ischemic stroke. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 5558-5563	11.5	64
103	Antibacterial and Hemostatic Thiol-Modified Chitosan-Immobilized AgNPs Composite Sponges. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 20307-20320	9.5	63

102	Sodium Tanshinone IIA Sulfonate Enhances Effectiveness Rt-PA Treatment in Acute Ischemic Stroke Patients Associated with Ameliorating Blood-Brain Barrier Damage. <i>Translational Stroke Research</i> , 2017 , 8, 334-340	7.8	52
101	Infiltration and persistence of lymphocytes during late-stage cerebral ischemia in middle cerebral artery occlusion and photothrombotic stroke models. <i>Journal of Neuroinflammation</i> , 2017 , 14, 248	10.1	48
100	Effects of Focal Cerebral Ischemia on Exosomal Versus Serum miR126. <i>Translational Stroke Research</i> , 2015 , 6, 478-84	7.8	47
99	Microwave-assisted modification on montmorillonite with ester-containing Gemini surfactant and its adsorption behavior for triclosan. <i>Journal of Colloid and Interface Science</i> , 2014 , 418, 311-6	9.3	44
98	Novel antibacterial paper based on quaternized carboxymethyl chitosan/organic montmorillonite/Ag NP nanocomposites. <i>Industrial Crops and Products</i> , 2013 , 51, 470-479	5.9	41
97	Multifunctional cellulosic paper based on quaternized chitosan and gold nanoparticle-mediated graphene oxide via electrostatic self-assembly. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 7422-7428	13	40
96	Green fabrication of cellulose/graphene composite in ionic liquid and its electrochemical and photothermal properties. <i>Chemical Engineering Journal</i> , 2016 , 299, 45-55	14.7	40
95	Synthesis and characterization of hydrophobic long-chain fatty acylated cellulose and its self-assembled nanoparticles. <i>Polymer Bulletin</i> , 2012 , 69, 389-403	2.4	39
94	Antimicrobial application of nanofibrous mats self-assembled with chitosan and epigallocatechin gallate. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 145, 643-652	6	39
93	Simple and scalable synthesis of hierarchical porous carbon derived from cornstalk without pith for high capacitance and energy density. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 1469-1479	13	37
92	Quaternized chitosan/rectorite intercalative materials for a gene delivery system. <i>Nanotechnology</i> , 2008 , 19, 375102	3.4	36
91	Copper Sulfide Nanoparticle/Cellulose Composite Paper: Room-Temperature Green Fabrication for NIR Laser-Inducible Ablation of Pathogenic Microorganisms. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 2648-2655	8.3	35
90	Characteristics of primary rat microglia isolated from mixed cultures using two different methods. <i>Journal of Neuroinflammation</i> , 2017 , 14, 101	10.1	35
89	Quaternized chitosan/silver nanoparticles composite as a SERS substrate for detecting triclazole and Sudan I. <i>Applied Surface Science</i> , 2015 , 351, 466-473	6.7	33
88	Preparation and Characterization of Quaternized Chitosan Under Microwave Irradiation. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010 , 47, 952-956	2.2	33
87	Green synthesis of silver nanoparticles with bagasse for colorimetric detection of cysteine in serum samples. <i>Journal of Alloys and Compounds</i> , 2016 , 686, 82-89	5.7	32
86	Facile and green synthesis of silver nanoparticles in quaternized carboxymethyl chitosan solution. <i>Nanotechnology</i> , 2013 , 24, 235601	3.4	32
85	An ultra-light antibacterial bagasse-AgNP aerogel. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 1155-1158	7.3	31

84	One-pot green synthesis and antimicrobial activity of exfoliated Ag NP-loaded quaternized chitosan/clay nanocomposites. <i>RSC Advances</i> , 2013 , 3, 9714	3.7	31
83	Alginate/quaternized carboxymethyl chitosan/clay nanocomposite microspheres: preparation and drug-controlled release behavior. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013 , 24, 589-605	3.5	30
82	Latest Advances on Bacterial Cellulose-Based Antibacterial Materials as Wound Dressings. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 593768	5.8	30
81	Roles of Neuroglobin Binding to Mitochondrial Complex III Subunit Cytochrome c1 in Oxygen-Glucose Deprivation-Induced Neurotoxicity in Primary Neurons. <i>Molecular Neurobiology</i> , 2016 , 53, 3249-3257	6.2	29
80	Assembly of Layered Silicate Loaded Quaternized Chitosan/Reduced Graphene Oxide Composites as Efficient Absorbents for Double-Stranded DNA. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 1846-1852	8.3	29
79	Facile fabrication of chitosan active film with xylan via direct immersion. <i>Cellulose</i> , 2014 , 21, 1873-1883	5.5	29
78	12/15-Lipoxygenase Inhibition or Knockout Reduces Warfarin-Associated Hemorrhagic Transformation After Experimental Stroke. <i>Stroke</i> , 2017 , 48, 445-451	6.7	26
77	Protection against acute cerebral ischemia/reperfusion injury by QiShenYiQi via neuroinflammatory network mobilization. <i>Biomedicine and Pharmacotherapy</i> , 2020 , 125, 109945	7.5	26
76	Neuroglobin promotes neurogenesis through Wnt signaling pathway. <i>Cell Death and Disease</i> , 2018 , 9, 945	9.8	26
75	Effect of rectorite on the synthesis of Ag NP and its catalytic activity. <i>Materials Chemistry and Physics</i> , 2015 , 151, 301-307	4.4	25
74	Preparation and characterization of cellulose laurate ester by catalyzed transesterification. <i>Carbohydrate Polymers</i> , 2017 , 168, 247-254	10.3	24
73	Interaction between chitosan-based clay nanocomposites and cellulose in a chemical pulp suspension. <i>Carbohydrate Polymers</i> , 2016 , 137, 375-381	10.3	24
72	Quaternized chitosan-stabilized copper sulfide nanoparticles for cancer therapy. <i>Materials Science and Engineering C</i> , 2019 , 96, 129-137	8.3	24
71	Facile fabrication and selective detection for cysteine of xylan/Au nanoparticles composite. <i>Carbohydrate Polymers</i> , 2016 , 140, 122-8	10.3	22
70	Lignin-AuNPs liquid marble for remotely-controllable detection of Pb. <i>Scientific Reports</i> , 2016 , 6, 38164	4.9	22
69	Preparation of copper-chelate quaternized carboxymethyl chitosan/organic rectorite nanocomposites for algae inhibition. <i>Carbohydrate Polymers</i> , 2016 , 151, 130-134	10.3	21
68	The rheological behaviour and drug-delivery property of chitosan/rectorite nanocomposites. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010 , 21, 171-84	3.5	20
67	Annexin A2 is a Robo4 ligand that modulates ARF6 activation-associated cerebral trans-endothelial permeability. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 2048-2060	7.3	19

66	Corn stalk/AgNPs modified chitin composite hemostatic sponge with high absorbency, rapid shape recovery and promoting wound healing ability. <i>Chemical Engineering Journal</i> , 2021 , 421, 129815	14.7	19
65	Association of increased Treg and Th17 with pathogenesis of moyamoya disease. <i>Scientific Reports</i> , 2017 , 7, 3071	4.9	18
64	Annexin A2 Plus Low-Dose Tissue Plasminogen Activator Combination Attenuates Cerebrovascular Dysfunction After Focal Embolic Stroke of Rats. <i>Translational Stroke Research</i> , 2017 , 8, 549-559	7.8	18
63	Quaternized chitosan/montmorillonite nanocomposite resin and its adsorption behavior. <i>Iranian Polymer Journal (English Edition)</i> , 2015 , 24, 531-539	2.3	18
62	Amphoteric Polymer-Clay Nanocomposites with Drug-Controlled Release Property. <i>Current Nanoscience</i> , 2011 , 7, 183-190	1.4	18
61	Structural Changes of Bagasse during the Homogeneous Esterification with Maleic Anhydride in Ionic Liquid 1-Allyl-3-methylimidazolium Chloride. <i>Polymers</i> , 2018 , 10,	4.5	17
60	TNFAIP1 contributes to the neurotoxicity induced by A β 25-35 in Neuro2a cells. <i>BMC Neuroscience</i> , 2016 , 17, 51	3.2	17
59	Progression of White Matter Hyperintensities Contributes to Lacunar Infarction 2018 , 9, 444-452		16
58	Thrombospondin-1 Gene Deficiency Worsens the Neurological Outcomes of Traumatic Brain Injury in Mice. <i>International Journal of Medical Sciences</i> , 2017 , 14, 927-936	3.7	16
57	Synthesis, Characterization and Antioxidant Activity of Quaternized Carboxymethyl Chitosan Oligosaccharides. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2012 , 49, 861-868	2.2	16
56	CD47 deficiency improves neurological outcomes of traumatic brain injury in mice. <i>Neuroscience Letters</i> , 2017 , 643, 125-130	3.3	15
55	Salt-template assisted synthesis of cornstalk derived hierarchical porous carbon with excellent supercapacitance. <i>Industrial Crops and Products</i> , 2020 , 154, 112666	5.9	15
54	Microwave Irradiation Assisted Synthesis and Flocculation Behavior of Quaternized Chitosan/Organo Montmorillonite Nanocomposite. <i>Current Nanoscience</i> , 2011 , 7, 1034-1041	1.4	15
53	Combination approaches to attenuate hemorrhagic transformation after tPA thrombolytic therapy in patients with poststroke hyperglycemia/diabetes. <i>Advances in Pharmacology</i> , 2014 , 71, 391-410	5.7	14
52	Special Magnetic Catalyst with Lignin-Reduced Au-Pd Nanoalloy. <i>ACS Omega</i> , 2017 , 2, 4938-4945	3.9	14
51	The Altered Reconfiguration Pattern of Brain Modular Architecture Regulates Cognitive Function in Cerebral Small Vessel Disease. <i>Frontiers in Neurology</i> , 2019 , 10, 324	4.1	13
50	Biopolymer as Stabilizer and Adhesive To in Situ Precipitate CuS Nanocrystals on Cellulose Nanofibers for Preparing Multifunctional Composite Papers. <i>ACS Omega</i> , 2018 , 3, 8083-8090	3.9	13
49	Green and Controllable Synthesis of AuAg Bimetal Nanoparticles by Xylan for Surface-Enhanced Raman Scattering. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15154-15162	8.3	13

48	Microwave-Assisted Synthesis of Quaternized Carboxymethyl Chitosan in Aqueous Solution and its Thermal Behavior. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2012 , 49, 227-234	2.2	13
47	Effects of Controlled Cortical Impact on the Mouse Brain Vasculome. <i>Journal of Neurotrauma</i> , 2016 , 33, 1303-16	5.4	13
46	CuS@Corn Stalk/Chitin Composite Hydrogel for Photodegradation and Antibacterial. <i>Polymers</i> , 2019 , 11,	4.5	12
45	Synthesis and Characterization of Xylan Grafted with Polyethylene Glycol in Ionic Liquid and Their Use as Moisture-Absorption/Retention Biomaterials. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 287-295	3.9	12
44	Activation of microglial Toll-like receptor 3 promotes neuronal survival against cerebral ischemia. <i>Journal of Neurochemistry</i> , 2016 , 136, 851-858	6	12
43	Dual Antiplatelet Therapy Increases Hemorrhagic Transformation Following Thrombolytic Treatment in Experimental Stroke. <i>Stroke</i> , 2019 , 50, 3650-3653	6.7	12
42	A sandwich-like chitosan-based antibacterial nanocomposite film with reduced graphene oxide immobilized silver nanoparticles. <i>Carbohydrate Polymers</i> , 2021 , 260, 117835	10.3	11
41	Green antimicrobial coating based on quaternised chitosan/organic montmorillonite/Ag NPs nanocomposites. <i>Journal of Experimental Nanoscience</i> , 2016 , 11, 1360-1371	1.9	11
40	Au@Carbon quantum Dots-MXene nanocomposite as an electrochemical sensor for sensitive detection of nitrite. <i>Journal of Colloid and Interface Science</i> , 2022 , 607, 1313-1322	9.3	11
39	Recent Progress in TiCT MXene-Based Flexible Pressure Sensors. <i>ACS Nano</i> , 2021 ,	16.7	11
38	Synthesis Optimization of Quaternized Chitosan and its Action as Reducing and Stabilizing Agent for Gold Nanoparticles. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013 , 50, 1194-1200	12.0	10
37	Click chemistry to synthesize exfoliated xylan-g-quaternized chitosan/montmorillonite nanocomposites for retention and drainage-aid. <i>Carbohydrate Polymers</i> , 2019 , 224, 115197	10.3	9
36	Promoting Neuro-Supportive Properties of Astrocytes with Epidermal Growth Factor Hydrogels. <i>Stem Cells Translational Medicine</i> , 2019 , 8, 1242-1248	6.9	9
35	A novel pH-sensitive and freeze-thawed carboxymethyl chitosan/poly(vinyl alcohol) blended hydrogel for protein delivery. <i>Polymer International</i> , 2009 , 58, 1120-1125	3.3	9
34	Novel glucosamine hydrochloride-rectorite nanocomposites with antioxidant and anti-ultraviolet activity. <i>Nanotechnology</i> , 2012 , 23, 495706	3.4	9
33	Facile Construction of Chitin/Graphene Nanocomposite Sponges for Efficient Hemostasis. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 18377-18385	8.3	9
32	Self-assembly behavior and conformation of amphiphilic hemicellulose-graft-fatty acid micelles. <i>Carbohydrate Polymers</i> , 2021 , 261, 117886	10.3	9
31	Characterization of Epoxy Composites Reinforced with Wax Encapsulated Microcrystalline Cellulose. <i>Polymers</i> , 2016 , 8,	4.5	9

30	Mechanocatalytic Solvent-Free Esterification of Sugarcane Bagasse. <i>Polymers</i> , 2018 , 10,	4.5	8
29	Combination Low-Dose Tissue-Type Plasminogen Activator Plus Annexin A2 for Improving Thrombolytic Stroke Therapy. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 397	6.1	8
28	Preparation, Characterization and Antibacterial Activity of Quaternized Carboxymethyl Chitosan/Organic Rectorite Nanocomposites. <i>Current Nanoscience</i> , 2013 , 9, 278-282	1.4	8
27	Soluble vascular endothelial-cadherin in CSF after subarachnoid hemorrhage. <i>Neurology</i> , 2020 , 94, e128165, 12937	1.5	7
26	Opening the time window. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 2539-2540	7.3	7
25	Interface behavior of quaternized chitosan on cellulosic substrates. <i>Fibers and Polymers</i> , 2014 , 15, 1450-1455	1.4	7
24	Green synthesis and immobilization of AgNPs by lumpy corn stalk as interlayer filling material for durable antibacterial. <i>Industrial Crops and Products</i> , 2020 , 158, 112987	5.9	7
23	Fabrication of Pd NPs-supported porous carbon by integrating the reducing reactivity and carbon-rich network of lignin. <i>Scientific Reports</i> , 2019 , 9, 7300	4.9	6
22	Surface coating of microcrystalline cellulose with surfactants and paraffin wax. <i>European Journal of Wood and Wood Products</i> , 2016 , 74, 763-765	2.1	6
21	Antibacterial chitosan composite films with food-inspired carbon spheres immobilized AgNPs. <i>Food Chemistry</i> , 2021 , 363, 130342	8.5	6
20	3D printed nanocellulose-based label for fruit freshness keeping and visual monitoring. <i>Carbohydrate Polymers</i> , 2021 , 273, 118545	10.3	6
19	Reduced microvascular volume and hemispherically deficient vasoreactivity to hypercapnia in acute ischemia: MRI study using permanent middle cerebral artery occlusion rat model. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 1033-43	7.3	5
18	Antibacterial composite paper with corn stalk-based carbon spheres immobilized AgNPs. <i>Materials Science and Engineering C</i> , 2020 , 113, 111012	8.3	5
17	Production of Xylooligosaccharide, Nanolignin, and Nanocellulose through a Fractionation Strategy of Corncob for Biomass Valorization. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 17429-17439	7.4	5
16	Smart MXene/agarose hydrogel with photothermal property for controlled drug release. <i>International Journal of Biological Macromolecules</i> , 2021 , 190, 693-699	7.9	5
15	Quaternized chitosan-assisted in situ synthesized CuS/cellulose nanofibers conductive paper for flexible electrode. <i>Nano Research</i> , 2020 , 14, 2390	10	4
14	3D-Printed Nanocellulose-Based Cushioning-Antibacterial Dual-Function Food Packaging Aerogel. <i>Molecules</i> , 2021 , 26,	4.8	4
13	Co-production of functional xylo-oligosaccharides and fermentable sugars from corn stover through fast and facile ball mill-assisted alkaline peroxide pretreatment. <i>Bioresource Technology</i> , 2021 , 337, 125327	11	4

12	Study on Adsorption of Methylene Blue with Organic Rectorite. <i>Integrated Ferroelectrics</i> , 2013 , 146, 29-42.8	42.8	3
11	The etiologies of new cases of cerebral venous sinus thrombosis reported in the past year. <i>Intractable and Rare Diseases Research</i> , 2012 , 1, 23-6	1.4	3
10	Bioengineered in vitro Vascular Models for Applications in Interventional Radiology. <i>Current Pharmaceutical Design</i> , 2018 , 24, 5367-5374	3.3	2
9	High Acid Biochar-Based Solid Acid Catalyst from Corn Stalk for Lignin Hydrothermal Degradation. <i>Polymers</i> , 2020 , 12,	4.5	2
8	MXene-Enhanced Chitin Composite Sponges with Antibacterial and Hemostatic Activity for Wound Healing.. <i>Advanced Healthcare Materials</i> , 2022 , e2102367	10.1	2
7	One-Step Exfoliation/Etching Method to Produce Chitosan-Stabilized Holey Graphene Nanosheets for Superior DNA Adsorption.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 8542-8550	4.1	1
6	EphrinB2-EphB2 signaling for dendrite protection after neuronal ischemia and oxygen-glucose deprivation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 1744-1755	7.3	1
5	Fabrication of graphene quantum dots/chitosan composite film and its catalytic reduction for 4-nitrophenol. <i>Ferroelectrics</i> , 2019 , 548, 124-132	0.6	1
4	Self-assembled NIR-responsive MoS ₂ @quaternized chitosan/nanocellulose composite paper for recyclable antibacteria.. <i>Journal of Hazardous Materials</i> , 2022 , 434, 128896	12.8	0
3	Macromol. Mater. Eng. 3/2016. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 352-352	3.9	
2	Effect of Quaternization Degree and Molecular Weight of Quaternized Chitosan on its Intercalation into Organo-montmorillonite. <i>Integrated Ferroelectrics</i> , 2013 , 146, 127-137	0.8	
1	Tissue plasminogen activator and hemorrhagic brain injury 2002 , 181-191		