

Qian Xu

List of Publications by Year in descending order

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101
papers

2,613
citations

201575

27
h-index

223716

46
g-index

104
all docs

104
docs citations

104
times ranked

3463
citing authors

#	ARTICLE	IF	CITATIONS
1	A hybrid injectable hydrogel from hyperbranched PEG macromer as a stem cell delivery and retention platform for diabetic wound healing. <i>Acta Biomaterialia</i> , 2018, 75, 63-74.	4.1	213
2	Injectable hyperbranched poly(β -amino ester) hydrogels with on-demand degradation profiles to match wound healing processes. <i>Chemical Science</i> , 2018, 9, 2179-2187.	3.7	123
3	Complex polymer architectures through free-radical polymerization of multivinyl monomers. <i>Nature Reviews Chemistry</i> , 2020, 4, 194-212.	13.8	93
4	Application of response surface methodology to optimise extraction of flavonoids from fructus sophorae. <i>Food Chemistry</i> , 2013, 138, 2122-2129.	4.2	82
5	Rebuilding Postinfarcted Cardiac Functions by Injecting TIIA@PDA Nanoparticle-Cross-linked ROS-Sensitive Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2880-2890.	4.0	79
6	Determination of phthalate esters in water samples using Nylon6 nanofibers mat-based solid-phase extraction coupled to liquid chromatography. <i>Mikrochimica Acta</i> , 2010, 168, 267-275.	2.5	78
7	Analysis of Phthalate Migration from Plastic Containers to Packaged Cooking Oil and Mineral Water. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 11311-11317.	2.4	77
8	Effects of six priority controlled phthalate esters with long-term low-dose integrated exposure on male reproductive toxicity in rats. <i>Food and Chemical Toxicology</i> , 2017, 101, 94-104.	1.8	69
9	Novel nanofibers mat as an efficient, fast and reusable adsorbent for solid phase extraction of non-steroidal anti-inflammatory drugs in environmental water. <i>Journal of Hazardous Materials</i> , 2019, 363, 81-89.	6.5	68
10	Electrospun Nylon6 Nanofibrous Membrane as SPE Adsorbent for the Enrichment and Determination of Three Estrogens in Environmental Water Samples. <i>Chromatographia</i> , 2010, 71, 487-492.	0.7	66
11	Prediction of the bioaccumulation of PAHs in surface sediments of Bohai Sea, China and quantitative assessment of the related toxicity and health risk to humans. <i>Marine Pollution Bulletin</i> , 2016, 104, 92-100.	2.3	59
12	A complex micellar system co-delivering curcumin with doxorubicin against cardiotoxicity and tumor growth. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 4549-4561.	3.3	59
13	Measurement of phenolic environmental estrogens in human urine samples by HPLC-MS/MS and primary discussion the possible linkage with uterine leiomyoma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 938, 80-85.	1.2	56
14	A high-throughput nanofibers mat-based micro-solid phase extraction for the determination of cationic dyes in wastewater. <i>Journal of Chromatography A</i> , 2016, 1460, 24-32.	1.8	56
15	High tRNA Transferase <i>NSUN2</i> Gene Expression is Associated with Poor Prognosis in Head and Neck Squamous Carcinoma. <i>Cancer Investigation</i> , 2018, 36, 246-253.	0.6	54
16	Measurement of Phenolic Environmental Estrogens in Women with Uterine Leiomyoma. <i>PLoS ONE</i> , 2013, 8, e79838.	1.1	51
17	Manipulation of Transgene Expression in Fibroblast Cells by a Multifunctional Linear-Branched Hybrid Poly(β -Amino Ester) Synthesized through an Oligomer Combination Approach. <i>Nano Letters</i> , 2019, 19, 381-391.	4.5	48
18	Atrazine adsorption removal with nylon6/polypyrrole core-shell nanofibers mat: possible mechanism and characteristics. <i>Nanoscale Research Letters</i> , 2015, 10, 207.	3.1	42

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19	A chondroitin sulfate based injectable hydrogel for delivery of stem cells in cartilage regeneration. <i>Biomaterials Science</i> , 2021, 9, 4139-4148.	2.6	41
20	An Injectable Chitosan-Based Self-Healable Hydrogel System as an Antibacterial Wound Dressing. <i>Materials</i> , 2021, 14, 5956.	1.3	40
21	TPGS _{2k} /PLGA Nanoparticles for Overcoming Multidrug Resistance by Interfering Mitochondria of Human Alveolar Adenocarcinoma Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3888-3901.	4.0	39
22	Double-Cross-Linked Hydrogel Strengthened by UV Irradiation from a Hyperbranched PEG-Based Trifunctional Polymer. <i>ACS Macro Letters</i> , 2018, 7, 509-513.	2.3	39
23	Trace analysis of diethylstilbestrol, dienestrol and hexestrol in environmental water by Nylon 6 nanofibers mat-based solid-phase extraction coupled with liquid chromatography-mass spectrometry. <i>Analyst</i> , 2011, 136, 5030.	1.7	37
24	Co-delivery nanoparticles with characteristics of intracellular precision release drugs for overcoming multidrug resistance. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 2081-2108.	3.3	36
25	Disks solid phase extraction based polypyrrole functionalized core-shell nanofibers mat. <i>Talanta</i> , 2015, 144, 129-135.	2.9	35
26	Versatile Hyperbranched Poly(β -hydrazide ester) Macromers as Injectable Antioxidative Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39494-39504.	4.0	35
27	Electrochemical biosensor based on functional composite nanofibers for detection of K-ras gene via multiple signal amplification strategy. <i>Analytical Biochemistry</i> , 2014, 466, 51-58.	1.1	31
28	Effects of nonylphenol induced oxidative stress on apoptosis and autophagy in rat ovarian granulosa cells. <i>Chemosphere</i> , 2020, 261, 127693.	4.2	30
29	Anticancer Drug Disulfiram for In Situ RAFT Polymerization: Controlled Polymerization, Multifacet Self-Assembly, and Efficient Drug Delivery. <i>ACS Macro Letters</i> , 2016, 5, 1266-1272.	2.3	28
30	High-Throughput and High-Efficient Micro-solid Phase Extraction Based on Sulfonated-Polyaniline/Polyacrylonitrile Nanofiber Mats for Determination of Fluoroquinolones in Animal-Origin Foods. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 6892-6901.	2.4	28
31	Instant Gelation System as Self-Healable and Printable 3D Cell Culture Bioink Based on Dynamic Covalent Chemistry. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38918-38924.	4.0	26
32	Preparation, <i>In Vitro</i> and <i>In Vivo</i> ; Evaluation of Budesonide Loaded Core/Shell Nanofibers as Oral Colonic Drug Delivery System. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 149-156.	0.9	25
33	Food Emulsifier Polysorbate 80 Increases Intestinal Absorption of Di-(2-Ethylhexyl) Phthalate in Rats. <i>Toxicological Sciences</i> , 2014, 139, 317-327.	1.4	25
34	Chronic low-dose exposure of nonylphenol alters energy homeostasis in the reproductive system of female rats. <i>Toxicology and Applied Pharmacology</i> , 2018, 348, 67-75.	1.3	25
35	Cartilage-Derived Progenitor Cell-Laden Injectable Hydrogel—An Approach for Cartilage Tissue Regeneration. <i>ACS Applied Bio Materials</i> , 2020, 3, 4756-4765.	2.3	25
36	Development and validation of a nylon6 nanofibers mat-based SPE coupled with HPLC method for the determination of docetaxel in rabbit plasma and its application to the relative bioavailability study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 2403-2408.	1.2	24

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37	Nylon 6 electrospun nanofibers mat as effective sorbent for the removal of estrogens: kinetic and thermodynamic studies. <i>Nanoscale Research Letters</i> , 2014, 9, 353.	3.1	24
38	Combined effects of simultaneous exposure to six phthalates and emulsifier glycerol monostearate on male reproductive system in rats. <i>Toxicology and Applied Pharmacology</i> , 2018, 341, 87-97.	1.3	24
39	An evidence in vitro for the influence of bisphenol A on uterine leiomyoma. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2014, 178, 80-83.	0.5	22
40	Nanofibers mat as sampling module of direct analysis in real time mass spectrometry for sensitive and high-throughput screening of illegally adulterated sulfonylureas in antidiabetic health-care teas. <i>Talanta</i> , 2019, 204, 753-761.	2.9	21
41	A nanofiber mat prepared from sulfonated polyaniline for solid-phase extraction of fluoroquinolones from water and biological fluids prior to their quantitation by UPLC-MS/MS. <i>Mikrochimica Acta</i> , 2019, 186, 857.	2.5	21
42	Crystal structure and anti-inflammatory and anaphylactic effects of andrographolide sulphonate E in Xiyanning, a traditional Chinese medicine injection. <i>Journal of Pharmacy and Pharmacology</i> , 2019, 71, 251-259.	1.2	21
43	CS/PAA@TPGS/PLGA nanoparticles with intracellular pH-sensitive sequential release for delivering drug to the nucleus of MDR cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 716-727.	2.5	20
44	Structural Design of Robust and Biocompatible Photonic Hydrogels from an In Situ Cross-Linked Hyperbranched Polymer System. <i>Chemistry of Materials</i> , 2018, 30, 6091-6098.	3.2	20
45	Rapid, simple and green solid phase extraction based on polyaniline nanofibers-mat for detecting non-steroidal anti-inflammatory drug residues in animal-origin food. <i>Food Chemistry</i> , 2020, 328, 127097.	4.2	20
46	Simple and sensitive determination of atrazine and its toxic metabolites in environmental water by carboxyl modified polyacrylonitrile nanofibers mat-based solid-phase extraction coupled with liquid chromatography-diode array detection. <i>Journal of Chromatography A</i> , 2017, 1491, 16-26.	1.8	19
47	Simultaneous extraction of four plant growth regulators residues in vegetable samples using solid phase extraction based on thiol-functionalized nanofibers mat. <i>Food Chemistry</i> , 2020, 310, 125859.	4.2	17
48	Hyperbranched PEG-based multi-NHS polymer and bioconjugation with BSA. <i>Polymer Chemistry</i> , 2017, 8, 1283-1287.	1.9	16
49	Zinc supplement ameliorates phthalates-induced reproductive toxicity in male rats. <i>Chemosphere</i> , 2020, 246, 125828.	4.2	15
50	Efficient, rapid and simple adsorption method by polydopamine polystyrene nanofibers mat for removal of multi-class antibiotic residues in environmental water. <i>Chemosphere</i> , 2022, 288, 132616.	4.2	15
51	Steatosis induced by nonylphenol in HepG2 cells and the intervention effect of curcumin. <i>Food and Function</i> , 2022, 13, 327-343.	2.1	15
52	A nanofiber-mat-based solid-phase sensor for sensitive ratiometric fluorescent sensing and fine visual colorimetric detection of tetracycline. <i>Food Chemistry</i> , 2022, 395, 133597.	4.2	15
53	Food Emulsifier Glycerin Monostearate Increases Internal Exposure Levels of Six Priority Controlled Phthalate Esters and Exacerbates Their Male Reproductive Toxicities in Rats. <i>PLoS ONE</i> , 2016, 11, e0161253.	1.1	14
54	Bacteria-Resistant Single Chain Cyclized/Knotted Polymer Coatings. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10616-10620.	7.2	14

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55	Dietary restriction reduces blood lipids and ameliorates liver function of mice with hyperlipidemia. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2017, 37, 79-86.	1.0	13
56	Design, synthesis of novel celastrol derivatives and study on their antitumor growth through HIF-1 α pathway. <i>European Journal of Medicinal Chemistry</i> , 2021, 220, 113474.	2.6	13
57	Detection of Phthalate Esters in Environmental Water Samples – Comparison of Nylon6 Nanofibers Mat-based Solid Phase Extraction and Other Conventional Extraction Methods. <i>Chinese Journal of Chemistry</i> , 2011, 29, 567-574.	2.6	12
58	Does nonylphenol promote the growth of uterine fibroids?. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2014, 178, 134-137.	0.5	12
59	Development and optimization of a novel sample preparation method cored on functionalized nanofibers mat-solid-phase extraction for the simultaneous efficient extraction of illegal anionic and cationic dyes in foods. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5697-5709.	1.9	12
60	Evaluation of toxicokinetics of nonylphenol in the adult female Sprague-Dawley rats using a physiologically based toxicokinetic model. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 105, 42-50.	1.3	12
61	Green Synthetic Approach for Photo-Cross-Linkable Methacryloyl Hyaluronic Acid with a Tailored Substitution Degree. <i>Biomacromolecules</i> , 2020, 21, 2229-2235.	2.6	12
62	Application of polydopamine fibers mat for simultaneous detection of multi-class drug residues in various animal-original foods. <i>Food Control</i> , 2022, 132, 108523.	2.8	12
63	Lubrication Performance of Hydrogenated Graphene on Diamond-Like Carbon Films Based on Molecular Dynamics Simulation. <i>Tribology Letters</i> , 2021, 69, 1.	1.2	12
64	Serum metabolomics analysis of the intervention effect of whole grain oats on insulin resistance induced by high-fat diet in rats. <i>Food Research International</i> , 2020, 135, 109297.	2.9	12
65	An amino-functionalized grooved nanofiber mat for solid-phase extraction of phenolic pollutants. <i>Mikrochimica Acta</i> , 2017, 184, 2861-2870.	2.5	11
66	Novel injectable and self-setting composite materials for bone defect repair. <i>Science China Materials</i> , 2020, 63, 876-887.	3.5	11
67	Sodium 4-styrenesulfonate functionalized nanofibers mat as 96-well plate solid-phase extraction adsorbent for quantitative determination of multiple β -agonists residues in pork samples. <i>Food Chemistry</i> , 2021, 335, 127631.	4.2	11
68	Determination of Five Sex Hormones in Urine Samples for Early Evaluation of Male Reproductive Toxicity Induced by Phthalate Esters in Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 10588-10597.	2.4	10
69	Protective Effects of Moderate Ca Supplementation against Cd-Induced Bone Damage under Different Population-Relevant Doses in Young Female Rats. <i>Nutrients</i> , 2019, 11, 849.	1.7	10
70	An Nd ³⁺ -Sensitized Upconversion Fluorescent Sensor for Epirubicin Detection. <i>Nanomaterials</i> , 2019, 9, 1700.	1.9	10
71	Rapid and sensitive fluorescence sensing detection of nitroaromatic compounds in water samples based on pyrene functionalized nanofibers mat prepared via green approach. <i>Microchemical Journal</i> , 2021, 165, 106175.	2.3	10
72	Novel tissue-engineered skin equivalent from recombinant human collagen hydrogel and fibroblasts facilitated full-thickness skin defect repair in a mouse model. <i>Materials Science and Engineering C</i> , 2021, 130, 112469.	3.8	9

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73	Application of Nylon6/Polypyrrole core-shell nanofibres mat as solid-phase extraction adsorbent for the determination of atrazine in environmental water samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2015, 95, 1112-1123.	1.8	8
74	Monitoring three typical phenol endocrine disrupting compounds in drinking water of Suzhou urban area from raw water to tap water. <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 921-937.	1.8	8
75	Simple, efficient and eco-friendly sample preparation for simultaneous determination of paracetamol and chloramphenicol in meat. <i>Journal of Separation Science</i> , 2019, 42, 2696-2705.	1.3	8
76	Vitrectomy with fovea-sparing ILM peeling versus total ILM peeling for myopic traction maculopathy: A meta-analysis. <i>European Journal of Ophthalmology</i> , 2021, 31, 2596-2605.	0.7	8
77	Effect of strain engineering on superlubricity in a double-walled carbon nanotube. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4988-5000.	1.3	8
78	Efficient and simple simultaneous adsorption removal of multiple aflatoxins from various liquid foods. <i>Food Chemistry</i> , 2022, 380, 132176.	4.2	8
79	Determination of Phthalates Esters in Edible Oil by High Performance Liquid Chromatography with Solid-membrane Extraction Based on Electrospun Nylon 6 Nanofibrous Membrane. <i>Chinese Journal of Analytical Chemistry</i> , 2013, 41, 1837.	0.9	7
80	Metabolomics in liver injury induced by dietary cadmium exposure and protective effect of calcium supplementation. <i>Analytical Biochemistry</i> , 2022, 641, 114556.	1.1	7
81	In situ-crosslinked hydrogel-induced experimental glaucoma model with persistent ocular hypertension and neurodegeneration. <i>Biomaterials Science</i> , 2022, 10, 5006-5017.	2.6	7
82	Metasurfaced Reverberation Chamber. <i>Scientific Reports</i> , 2018, 8, 1577.	1.6	6
83	Enhancing the Number of Modes in Metasurfaced Reverberation Chambers for Field Uniformity Improvement. <i>Sensors</i> , 2018, 18, 3301.	2.1	6
84	Comparison of the Therapeutic Effects of Native and Anionic Nanofibrillar Cellulose Hydrogels for Full-Thickness Skin Wound Healing. <i>Micro</i> , 2021, 1, 194-214.	0.9	6
85	Electrospun chitosan/polyethylene oxide nanofibers mat loaded with copper (II) as a new sensor for colorimetric detection of tetracycline. <i>International Journal of Biological Macromolecules</i> , 2022, 212, 527-535.	3.6	6
86	A simple, fast and green nanofibers mat-based disk solid-phase extraction technique for chrysoidine analysis in soybean products. <i>Analytical Methods</i> , 2016, 8, 2837-2844.	1.3	5
87	A Hybrid Injectable and Self-Healable Hydrogel System as 3D Cell Culture Scaffold. <i>Macromolecular Bioscience</i> , 2021, 21, e2100079.	2.1	5
88	Nanofibers mat-based solid-phase extraction method for the pretreatment of urine samples and its application in the primary study on the disposition of nonylphenol after long-term low-level exposure in rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1061-1062, 146-152.	1.2	4
89	A Fluorescent Sensor for Daunorubicin Determination Using 808nm-excited Upconversion Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 2868-2876.	1.9	4
90	Resveratrol-Loaded Poly(D,L-lactide-co-Glycolide) Microspheres Integrated in a Hyaluronic Acid Injectable Hydrogel for Cartilage Regeneration. <i>Advanced NanoBiomed Research</i> , 2022, 2, .	1.7	4

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91	NMR spectroscopy and multivariate statistical analysis of metabonomic changes in <i>Allium macrostemon</i> Bunge extracts induced by different drying methods. <i>Analytical Methods</i> , 2013, 5, 6219.	1.3	3
92	Design and Evaluation of Planar Bifilar Helical Antennas for Radio Frequency Identification Tags. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 2642-2646.	2.4	3
93	Toxicokinetics and distribution in female rats after chronic nonylphenol exposure. <i>Toxicology and Industrial Health</i> , 2020, 36, 925-935.	0.6	3
94	Improving Biological Functions of Three-Dimensional Printed Ti2448 Scaffolds by Decoration with Polydopamine and Extracellular Matrices. <i>ACS Applied Bio Materials</i> , 2022, 5, 3982-3990.	2.3	3
95	Parametric Testing of Metasurface Stirrers for Metasurfaced Reverberation Chambers. <i>Sensors</i> , 2019, 19, 976.	2.1	2
96	Polymer for Internal Hydrophobization of Cement-Based Materials: Design, Synthesis, and Properties. <i>Polymers</i> , 2021, 13, 3069.	2.0	2
97	Time-stretch analog-to-digital conversion with a photonic crystal fiber. <i>Optoelectronics Letters</i> , 2011, 7, 143-146.	0.4	1
98	Determination of urinary carnitine levels as a potential indicator of uterine fibroids caused by nonylphenol exposure. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1152, 122248.	1.2	1
99	Bacteria-Resistant Single Chain Cyclized/Knotted Polymer Coatings. <i>Angewandte Chemie</i> , 2019, 131, 10726-10730.	1.6	0
100	Improving the working volume by a high-efficiency antenna array in a reverberation chamber for 5G testing. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 0, , .	0.8	0
101	Improving the Reverberation Chamber Performance Using a Reconfigurable Source Stirring Antenna Array. <i>Electronics (Switzerland)</i> , 2022, 11, 1462.	1.8	0