

# Xue Qu

## List of Publications by Year in descending order

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36  
papers

1,041  
citations

471509

17  
h-index

414414

32  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1556  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solvent effect modulates the formation of homogeneous polyphenol composite hydrogel with improved transparency and mechanical strength for antibacterial delayed sternal closure film. <i>Journal of Materials Chemistry B</i> , 2022, , .	5.8	2
2	A novel corneal adhesive based on functionally coupled PEG-lysozyme hydrogel for wound closure after surgical eye surgery. <i>Chinese Chemical Letters</i> , 2022, 33, 4321-4325.	9.0	11
3	Electro-assembly of a dynamically adaptive molten fibril state for collagen. <i>Science Advances</i> , 2022, 8, eabl7506.	10.3	15
4	Lysozyme Amyloid Fibril-Integrated PEG Injectable Hydrogel Adhesive with Improved Antiswelling and Antibacterial Capabilities. <i>Biomacromolecules</i> , 2022, 23, 1376-1391.	5.4	22
5	Electrical Signal Initiates Kinetic Assembly of Collagen to Construct Optically Transparent and Geometry Customized Artificial Cornea Substitutes. <i>ACS Nano</i> , 2022, 16, 10632-10646.	14.6	13
6	Enlisting a Traditional Chinese Medicine to tune the gelation kinetics of a bioactive tissue adhesive for fast hemostasis or minimally invasive therapy. <i>Bioactive Materials</i> , 2021, 6, 905-917.	15.6	28
7	Synthetic Mimics of Antimicrobial Peptides for the Targeted Therapy of Multidrug-Resistant Bacterial Infection. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101244.	7.6	17
8	Continuous and controllable electro-fabrication of antimicrobial copper-alginate dressing for infected wounds treatment. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 143.	3.6	4
9	A reduced polydopamine nanoparticle-coupled sprayable PEG hydrogel adhesive with anti-infection activity for rapid wound sealing. <i>Biomaterials Science</i> , 2020, 8, 6946-6956.	5.4	36
10	Coupling PEG-LZM polymer networks with polyphenols yields suturable biohydrogels for tissue patching. <i>Biomaterials Science</i> , 2020, 8, 3334-3347.	5.4	15
11	Tag-Free Site-Specific BMP-2 Immobilization with Long-Acting Bioactivities via a Simple Sugar-Lectin Interaction. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 2219-2230.	5.2	4
12	Redox-Channeling Polydopamine-Ferrocene (PDA-Fc) Coating To Confer Context-Dependent and Photothermal Antimicrobial Activities. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 8915-8928.	8.0	67
13	Pro- and Anti-oxidant Properties of Redox-Active Catechol-Chitosan Films. <i>Frontiers in Chemistry</i> , 2019, 7, 541.	3.6	13
14	Mussel-Inspired, Surface-Attachable Initiator for Grafting of Antimicrobial and Antifouling Hydrogels. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900268.	3.9	42
15	Efficient Capture and T2 Magnetic Resonance Assay of <i>Candida albicans</i> with Inorganic Nanoparticles: Role of Nanoparticle Surface Charge and Fungal Cell Wall. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3270-3278.	5.2	5
16	Programmable Electrofabrication of Porous Janus Films with Tunable Janus Balance for Anisotropic Cell Guidance and Tissue Regeneration. <i>Advanced Functional Materials</i> , 2019, 29, 1900065.	14.9	58
17	Role of polydopamine's redox-activity on its pro-oxidant, radical-scavenging, and antimicrobial activities. <i>Acta Biomaterialia</i> , 2019, 88, 181-196.	8.3	137
18	Electrofabrication: electrically based fabrication with biologically derived materials. <i>Biofabrication</i> , 2019, 11, 032002.	7.1	43

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19	Coupling Self-Assembly Mechanisms to Fabricate Molecularly and Electrically Responsive Films. <i>Biomacromolecules</i> , 2019, 20, 969-978.	5.4	14
20	A PEG-Lysozyme hydrogel harvests multiple functions as a fit-to-shape tissue sealant for internal-use of body. <i>Biomaterials</i> , 2019, 192, 392-404.	11.4	89
21	Electrofabrication of functional materials: Chloramine-based antimicrobial film for infectious wound treatment. <i>Acta Biomaterialia</i> , 2018, 73, 190-203.	8.3	30
22	Bio-inspired redox-cycling antimicrobial film for sustained generation of reactive oxygen species. <i>Biomaterials</i> , 2018, 162, 109-122.	11.4	72
23	Radical Scavenging Activities of Biomimetic Catechol-Chitosan Films. <i>Biomacromolecules</i> , 2018, 19, 3502-3514.	5.4	34
24	Engineering a favourable osteogenic microenvironment by heparin mediated hybrid coating assembly and rhBMP-2 loading. <i>RSC Advances</i> , 2017, 7, 11439-11447.	3.6	3
25	A red fluorescent turn-on chemosensor for Al <sup>3+</sup> based on a dimethoxy triphenylamine benzothiadiazole derivative with aggregation-induced emission. <i>Analytical Methods</i> , 2017, 9, 2689-2695.	2.7	21
26	Electrical signals triggered controllable formation of calcium-alginate film for wound treatment. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 146.	3.6	24
27	Selective extraction of bioactive glycoprotein in neutral environment through Concanavalin A mediated template immobilization and dopamine surface imprinting. <i>RSC Advances</i> , 2016, 6, 86455-86463.	3.6	12
28	Novel porous silica granules for instant hemostasis. <i>RSC Advances</i> , 2016, 6, 78930-78935.	3.6	22
29	Self-assembly of dual drug-delivery coating for synergistic bone regeneration. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4901-4912.	5.8	10
30	Synthesis, two-photon absorption and aggregation-induced emission properties of multi-branched triphenylamine derivatives based on diketopyrrolopyrrole for bioimaging. <i>RSC Advances</i> , 2016, 6, 58434-58442.	3.6	16
31	Preparation, rheological properties and primary cytocompatibility of TPU/PLA blends as biomedical materials. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016, 31, 211-218.	1.0	7
32	Biofabricated Nanoparticle Coating for Liver Cell Targeting. <i>Advanced Healthcare Materials</i> , 2015, 4, 1972-1981.	7.6	13
33	Template size matched film thickness for effectively in situ surface imprinting: a model study of glycoprotein imprints. <i>RSC Advances</i> , 2015, 5, 47010-47021.	3.6	18
34	Biospecific Self-Assembly of a Nanoparticle Coating for Targeted and Stimuli-Responsive Drug Delivery. <i>Advanced Functional Materials</i> , 2015, 25, 1404-1417.	14.9	50
35	Effect of the solvent on improving the recognition properties of surface molecularly imprinted polymers for precise separation of erythromycin. <i>RSC Advances</i> , 2015, 5, 83619-83627.	3.6	6
36	A novel composite coupled hardness with flexibility poly(lactic acid) toughen with thermoplastic polyurethane. <i>Journal of Applied Polymer Science</i> , 2011, 121, 855-861.	2.6	67