Lin Wang

List of Publications by Year
in descending order

41 papers	3,633 citations	185998 28 h-index	264894 42 g-index
44 all docs	44 docs citations	44 times ranked	7300 citing authors

#	Article	IF	Citations
1	Smart Chemical Engineeringâ€Based Lightweight and Miniaturized Attachable Systems for Advanced Drug Delivery and Diagnostics. Advanced Materials, 2022, 34, e2106701.	11.1	13
2	Antibacterial Sericin Cryogels Promote Hemostasis by Facilitating the Activation of Coagulation Pathway and Platelets. Advanced Healthcare Materials, 2022, 11, e2102717.	3.9	14
3	Copper-Based Metalâ€“Organic Framework Overcomes Cancer Chemoresistance through Systemically Disrupting Dynamically Balanced Cellular Redox Homeostasis. Journal of the American Chemical Society, 2022, 144, 4799-4809.	6.6	77
4	Lamprey-Teeth-Inspired Oriented Antibacterial Sericin Microneedles for Infected Wound Healing Improvement. Nano Letters, 2022, 22, 2702-2711.	4.5	55
5	Smart Mushroom-Inspired Imprintable and Lightly Detachable (MILD) Microneedle Patterns for Effective COVID-19 Vaccination and Decentralized Information Storage. ACS Nano, 2022, 16, 7512-7524.	7.3	19
6	Bioâ€Inspired Selfâ€Hydrophobized Sericin Adhesive with Tough Underwater Adhesion Enables Wound Healing and Fluid Leakage Sealing. Advanced Functional Materials, 2022, 32, .	7.8	29
7	Silk sericin patches delivering miRNA-29-enriched extracellular vesicles-decorated myoblasts (SPEED) enhances regeneration and functional repair after severe skeletal muscle injury. Biomaterials, 2022, 287, 121630.	5.7	7
8	A Novel Method to Improve the Physical Property and Biocompatibility of Decellularized Heart Valve Scaffold with Sericin and Polydopamine. Journal of Bionic Engineering, 2022, 19, 1109-1123.	2.7	1
9	Silk sericin-based materials for biomedical applications. Biomaterials, 2022, 287, 121638.	5.7	50
10	Sericin microparticles enveloped with metal-organic networks as a pulmonary targeting delivery system for intra-tracheally treating metastatic lung cancer. Bioactive Materials, 2021, 6, 273-284.	8.6	29
11	IDO-inhibitor potentiated immunogenic chemotherapy abolishes primary tumor growth and eradicates metastatic lesions by targeting distinct compartments within tumor microenvironment. Biomaterials, 2021, 269, 120388.	5.7	37
12	Comparing two sample pooling strategies for SARSâ€CoVâ€2 RNA detection for efficient screening of COVIDâ€19. Journal of Medical Virology, 2021, 93, 2805-2809.	2.5	18
13	Oxygen-Generating Cyanobacteria Powered by Upconversion-Nanoparticles-Converted Near-Infrared Light for Ischemic Stroke Treatment. Nano Letters, 2021, 21, 4654-4665.	4.5	52
14	Injectable silk sericin scaffolds with programmable shape-memory property and neuro-differentiation-promoting activity for individualized brain repair of severe ischemic stroke. Bioactive Materials, 2021, 6, 1988-1999.	8.6	31
15	Over 1â€year duration and age difference of SARSâ€CoVâ€2 antibodiesÂin convalescent COVIDâ€19 patients. Journal of Medical Virology, 2021, 93, 6506-6511.	2.5	26
16	Tumor-targeting pH/redox dual-responsive nanosystem epigenetically reverses cancer drug resistance by co-delivering doxorubicin and GCN5 siRNA. Acta Biomaterialia, 2021, 135, 556-566.	4.1	30
17	Microneedle arrays integrated with living organisms for smart biomedical applications. Theranostics, 2021, 11, 10012-10029.	4.6	18
18	Reducing False Negatives in COVID-19 Testing by Using Microneedle-Based Oropharyngeal Swabs. Matter, 2020, 3, 1589-1600.	5.0	39

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19	CNT/Sericin Conductive Nerve Guidance Conduit Promotes Functional Recovery of Transected Peripheral Nerve Injury in a Rat Model. ACS Applied Materials & Interfaces, 2020, 12, 36860-36872.	4.0	59
20	Open resource of clinical data from patients with pneumonia for the prediction of COVID-19 outcomes via deep learning. Nature Biomedical Engineering, 2020, 4, 1197-1207.	11.6	122
21	A Sequentially Responsive Nanosystem Breaches Cascaded Bio-barriers and Suppresses P-Glycoprotein Function for Reversing Cancer Drug Resistance. ACS Applied Materials & Interfaces, 2020, 12, 54343-54355.	4.0	15
22	Silkâ€Based Biomaterials for Cardiac Tissue Engineering. Advanced Healthcare Materials, 2020, 9, e2000735.	3.9	35
23	Development of an inactivated vaccine candidate for SARS-CoV-2. Science, 2020, 369, 77-81.	6.0	1,180
24	A comparison study of SARSâ€CoVâ€2 IgG antibody between male and female COVIDâ€19 patients: A possible reason underlying different outcome between sex. Journal of Medical Virology, 2020, 92, 2050-2054.	2.5	230
25	Alginate Enhances Memory Properties of Antitumor CD8+ T Cells by Promoting Cellular Antioxidation. ACS Biomaterials Science and Engineering, 2019, 5, 4717-4725.	2.6	7
26	Sericin Nerve Guidance Conduit Delivering Therapeutically Repurposed Clobetasol for Functional and Structural Regeneration of Transected Peripheral Nerves. ACS Biomaterials Science and Engineering, 2019, 5, 1426-1439.	2.6	17
27	Redoxâ€Responsive Dual Drug Delivery Nanosystem Suppresses Cancer Repopulation by Abrogating Doxorubicinâ€Promoted Cancer Stemness, Metastasis, and Drug Resistance. Advanced Science, 2019, 6, 1801987.	5.6	44
28	Photo-crosslinkable, injectable sericin hydrogel as 3D biomimetic extracellular matrix for minimally invasive repairing cartilage. Biomaterials, 2018, 163, 89-104.	5.7	176
29	Sericin hydrogels promote skin wound healing with effective regeneration of hair follicles and sebaceous glands after complete loss of epidermis and dermis. Biomaterials Science, 2018, 6, 2859-2870.	2.6	85
30	Supramolecular Modular Approach toward Conveniently Constructing and Multifunctioning a pH/Redox Dual-Responsive Drug Delivery Nanoplatform for Improved Cancer Chemotherapy. ACS Applied Materials & Interfaces, 2018, 10, 26473-26484.	4.0	34
31	Sustained Local Release of NGF from a Chitosanâ€“Sericin Composite Scaffold for Treating Chronic Nerve Compression. ACS Applied Materials & Interfaces, 2017, 9, 3432-3444.	4.0	54
32	Safe and Effective Reversal of Cancer Multidrug Resistance Using Sericinâ€Coated Mesoporous Silica Nanoparticles for Lysosomeâ€Targeting Delivery in Mice. Small, 2017, 13, 1602567.	5.2	50
33	In Vivo Characterizations of the Immune Properties of Sericin: An Ancient Material with Emerging Value in Biomedical Applications. Macromolecular Bioscience, 2017, 17, 1700229.	2.1	66
34	An injectable silk sericin hydrogel promotes cardiac functional recovery after ischemic myocardial infarction. Acta Biomaterialia, 2016, 41, 210-223.	4.1	121
35	Design and Fabrication of Multifunctional Sericin Nanoparticles for Tumor Targeting and pH-Responsive Subcellular Delivery of Cancer Chemotherapy Drugs. ACS Applied Materials & Interfaces, 2016, 8, 6577-6585.	4.0	95
36	Hydrogel dual delivered celecoxib and anti-PD-1 synergistically improve antitumor immunity. OncoImmunology, 2016, 5, e1074374.	2.1	147

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37	Sericin/Dextran Injectable Hydrogel as an Optically Trackable Drug Delivery System for Malignant Melanoma Treatment. ACS Applied Materials & Interfaces, 2016, 8, 6411-6422.	4.0	115
38	A Silk Sericin/Silicone Nerve Guidance Conduit Promotes Regeneration of a Transected Sciatic Nerve. Advanced Healthcare Materials, 2015, 4, 2195-2205.	3.9	69
39	Design and performance of a sericin-alginate interpenetrating network hydrogel for cell and drug delivery. Scientific Reports, 2015, 5, 12374.	1.6	102
40	A Neuroprotective Sericin Hydrogel As an Effective Neuronal Cell Carrier for the Repair of Ischemic Stroke. ACS Applied Materials & Interfaces, 2015, 7, 24629-24640.	4.0	74
41	Exploring natural silk protein sericin for regenerative medicine: an injectable, photoluminescent, cell-adhesive 3D hydrogel. Scientific Reports, 2014, 4, 7064.	1.6	190