

# Lin Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/342998/publications.pdf>

Version: 2024-02-01

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	Development of an inactivated vaccine candidate for SARS-CoV-2. <i>Science</i> , 2020, 369, 77-81.	6.0	1,180
2	A comparison study of SARS-CoV-2 IgG antibody between male and female COVID-19 patients: A possible reason underlying different outcome between sex. <i>Journal of Medical Virology</i> , 2020, 92, 2050-2054.	2.5	230
3	Exploring natural silk protein sericin for regenerative medicine: an injectable, photoluminescent, cell-adhesive 3D hydrogel. <i>Scientific Reports</i> , 2014, 4, 7064.	1.6	190
4	Photo-crosslinkable, injectable sericin hydrogel as 3D biomimetic extracellular matrix for minimally invasive repairing cartilage. <i>Biomaterials</i> , 2018, 163, 89-104.	5.7	176
5	Hydrogel dual delivered celecoxib and anti-PD-1 synergistically improve antitumor immunity. <i>Oncotarget</i> , 2016, 5, e1074374.	2.1	147
6	Open resource of clinical data from patients with pneumonia for the prediction of COVID-19 outcomes via deep learning. <i>Nature Biomedical Engineering</i> , 2020, 4, 1197-1207.	11.6	122
7	An injectable silk sericin hydrogel promotes cardiac functional recovery after ischemic myocardial infarction. <i>Acta Biomaterialia</i> , 2016, 41, 210-223.	4.1	121
8	Sericin/Dextran Injectable Hydrogel as an Optically Trackable Drug Delivery System for Malignant Melanoma Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 6411-6422.	4.0	115
9	Design and performance of a sericin-alginate interpenetrating network hydrogel for cell and drug delivery. <i>Scientific Reports</i> , 2015, 5, 12374.	1.6	102
10	Design and Fabrication of Multifunctional Sericin Nanoparticles for Tumor Targeting and pH-Responsive Subcellular Delivery of Cancer Chemotherapy Drugs. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 6577-6585.	4.0	95
11	Sericin hydrogels promote skin wound healing with effective regeneration of hair follicles and sebaceous glands after complete loss of epidermis and dermis. <i>Biomaterials Science</i> , 2018, 6, 2859-2870.	2.6	85
12	Copper-Based Metal-Organic Framework Overcomes Cancer Chemoresistance through Systemically Disrupting Dynamically Balanced Cellular Redox Homeostasis. <i>Journal of the American Chemical Society</i> , 2022, 144, 4799-4809.	6.6	77
13	A Neuroprotective Sericin Hydrogel As an Effective Neuronal Cell Carrier for the Repair of Ischemic Stroke. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24629-24640.	4.0	74
14	A Silk Sericin/Silicone Nerve Guidance Conduit Promotes Regeneration of a Transected Sciatic Nerve. <i>Advanced Healthcare Materials</i> , 2015, 4, 2195-2205.	3.9	69
15	In Vivo Characterizations of the Immune Properties of Sericin: An Ancient Material with Emerging Value in Biomedical Applications. <i>Macromolecular Bioscience</i> , 2017, 17, 1700229.	2.1	66
16	CNT/Sericin Conductive Nerve Guidance Conduit Promotes Functional Recovery of Transected Peripheral Nerve Injury in a Rat Model. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 36860-36872.	4.0	59
17	Lamprey-Teeth-Inspired Oriented Antibacterial Sericin Microneedles for Infected Wound Healing Improvement. <i>Nano Letters</i> , 2022, 22, 2702-2711.	4.5	55
18	Sustained Local Release of NGF from a Chitosan-Sericin Composite Scaffold for Treating Chronic Nerve Compression. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3432-3444.	4.0	54

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19	Oxygen-Generating Cyanobacteria Powered by Upconversion-Nanoparticles-Converted Near-Infrared Light for Ischemic Stroke Treatment. <i>Nano Letters</i> , 2021, 21, 4654-4665.	4.5	52
20	Safe and Effective Reversal of Cancer Multidrug Resistance Using Sericin-Coated Mesoporous Silica Nanoparticles for Lysosome-Targeting Delivery in Mice. <i>Small</i> , 2017, 13, 1602567.	5.2	50
21	Silk sericin-based materials for biomedical applications. <i>Biomaterials</i> , 2022, 287, 121638.	5.7	50
22	Redox-Responsive Dual Drug Delivery Nanosystem Suppresses Cancer Repopulation by Abrogating Doxorubicin-Promoted Cancer Stemness, Metastasis, and Drug Resistance. <i>Advanced Science</i> , 2019, 6, 1801987.	5.6	44
23	Reducing False Negatives in COVID-19 Testing by Using Microneedle-Based Oropharyngeal Swabs. <i>Matter</i> , 2020, 3, 1589-1600.	5.0	39
24	IDO-inhibitor potentiated immunogenic chemotherapy abolishes primary tumor growth and eradicates metastatic lesions by targeting distinct compartments within tumor microenvironment. <i>Biomaterials</i> , 2021, 269, 120388.	5.7	37
25	Silk-Based Biomaterials for Cardiac Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000735.	3.9	35
26	Supramolecular Modular Approach toward Conveniently Constructing and Multifunctioning a pH/Redox Dual-Responsive Drug Delivery Nanoplatform for Improved Cancer Chemotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 26473-26484.	4.0	34
27	Injectable silk sericin scaffolds with programmable shape-memory property and neuro-differentiation-promoting activity for individualized brain repair of severe ischemic stroke. <i>Bioactive Materials</i> , 2021, 6, 1988-1999.	8.6	31
28	Tumor-targeting pH/redox dual-responsive nanosystem epigenetically reverses cancer drug resistance by co-delivering doxorubicin and GCN5 siRNA. <i>Acta Biomaterialia</i> , 2021, 135, 556-566.	4.1	30
29	Sericin microparticles enveloped with metal-organic networks as a pulmonary targeting delivery system for intra-tracheally treating metastatic lung cancer. <i>Bioactive Materials</i> , 2021, 6, 273-284.	8.6	29
30	Bio-Inspired Self-Hydrophobized Sericin Adhesive with Tough Underwater Adhesion Enables Wound Healing and Fluid Leakage Sealing. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	29
31	Over 1-year duration and age difference of SARS-CoV-2 antibodies in convalescent COVID-19 patients. <i>Journal of Medical Virology</i> , 2021, 93, 6506-6511.	2.5	26
32	Smart Mushroom-Inspired Imprintable and Lightly Detachable (MILD) Microneedle Patterns for Effective COVID-19 Vaccination and Decentralized Information Storage. <i>ACS Nano</i> , 2022, 16, 7512-7524.	7.3	19
33	Comparing two sample pooling strategies for SARS-CoV-2 RNA detection for efficient screening of COVID-19. <i>Journal of Medical Virology</i> , 2021, 93, 2805-2809.	2.5	18
34	Microneedle arrays integrated with living organisms for smart biomedical applications. <i>Theranostics</i> , 2021, 11, 10012-10029.	4.6	18
35	Sericin Nerve Guidance Conduit Delivering Therapeutically Repurposed Clobetasol for Functional and Structural Regeneration of Transected Peripheral Nerves. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 1426-1439.	2.6	17
36	A Sequentially Responsive Nanosystem Breaches Cascaded Bio-barriers and Suppresses P-Glycoprotein Function for Reversing Cancer Drug Resistance. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 54343-54355.	4.0	15

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37	Antibacterial Sericin Cryogels Promote Hemostasis by Facilitating the Activation of Coagulation Pathway and Platelets. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102717.	3.9	14
38	Smart Chemical Engineeringâ€Based Lightweight and Miniaturized Attachable Systems for Advanced Drug Delivery and Diagnostics. <i>Advanced Materials</i> , 2022, 34, e2106701.	11.1	13
39	Alginate Enhances Memory Properties of Antitumor CD8+ T Cells by Promoting Cellular Antioxidation. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4717-4725.	2.6	7
40	Silk sericin patches delivering miRNA-29-enriched extracellular vesicles-decorated myoblasts (SPEED) enhances regeneration and functional repair after severe skeletal muscle injury. <i>Biomaterials</i> , 2022, 287, 121630.	5.7	7
41	A Novel Method to Improve the Physical Property and Biocompatibility of Decellularized Heart Valve Scaffold with Sericin and Polydopamine. <i>Journal of Bionic Engineering</i> , 2022, 19, 1109-1123.	2.7	1