

# Lin Wang

## List of Publications by Year in descending order

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27  
papers

698  
citations

567247

15  
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552766

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docs citations

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times ranked

1000  
citing authors

#	ARTICLE	IF	CITATIONS
1	A promoted copper-catalysed Azide-alkyne cycloaddition (CuAAC) for broad spectrum peptide-engineered implants. <i>Chemical Engineering Journal</i> , 2022, 427, 130918.	12.7	9
2	Bio-clickable mussel-inspired peptides improve titanium-based material osseointegration synergistically with immunopolarization-regulation. <i>Bioactive Materials</i> , 2022, 9, 1-14.	15.6	21
3	Macroporous Adhesive Nano-enabled Hydrogels Generated from Air-in-Water Emulsions. <i>Macromolecular Bioscience</i> , 2022, 22, e2100491.	4.1	9
4	Peptide-engineered AIE Nanofibers with Excellent and Precisely Adjustable Antibacterial Activity. <i>Small</i> , 2022, 18, e2108030.	10.0	18
5	Preparation and characterization of novel lithium magnesium phosphate bioceramic scaffolds facilitating bone generation. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4040-4047.	5.8	12
6	Fluorescent <i>in situ</i> 3D Visualization of Dynamic Corrosion Processes of Magnesium Alloys. <i>ACS Applied Bio Materials</i> , 2022, 5, 2340-2346.	4.6	2
7	Fusion peptide engineered $\epsilon$ -statically-versatile-titanium implant simultaneously enhancing anti-infection, vascularization and osseointegration. <i>Biomaterials</i> , 2021, 264, 120446.	11.4	52
8	High-throughput screening and rational design of biofunctionalized surfaces with optimized biocompatibility and antimicrobial activity. <i>Nature Communications</i> , 2021, 12, 3757.	12.8	20
9	Mechanistic insights into the adsorption and bioactivity of fibronectin on surfaces with varying chemistries by a combination of experimental strategies and molecular simulations. <i>Bioactive Materials</i> , 2021, 6, 3125-3135.	15.6	16
10	One-step preparation of the engineered titanium implant by rationally designed linear fusion peptides with spacer-dependent antimicrobial, anti-inflammatory and osteogenic activities. <i>Chemical Engineering Journal</i> , 2021, 424, 130380.	12.7	8
11	Biomimetic cartilage-lubricating polymers regenerate cartilage in rats with early osteoarthritis. <i>Nature Biomedical Engineering</i> , 2021, 5, 1189-1201.	22.5	67
12	Polymyxin B engineered polystyrene-divinylbenzene microspheres for the adsorption of bilirubin and endotoxin. <i>RSC Advances</i> , 2021, 11, 39978-39984.	3.6	5
13	Controlling the adsorption of osteopontin for mediating cell behaviour by using self-assembled monolayers with varying surface chemistry. <i>RSC Advances</i> , 2021, 11, 36360-36366.	3.6	2
14	On-demand storage and release of antimicrobial peptides using Pandora's box-like nanotubes gated with a bacterial infection-responsive polymer. <i>Theranostics</i> , 2020, 10, 109-122.	10.0	68
15	Conductive and antimicrobial macroporous nanocomposite hydrogels generated from air-in-water Pickering emulsions for neural stem cell differentiation and skin wound healing. <i>Biomaterials Science</i> , 2020, 8, 6957-6968.	5.4	31
16	Mechanistic Insights and Rational Design of a Versatile Surface with Cells/Bacteria Recognition Capability via Orientated Fusion Peptides. <i>Advanced Science</i> , 2019, 6, 1801827.	11.2	11
17	Antimicrobial Titanium Surface via Click-Immobilization of Peptide and Its <i>in Vitro/Vivo</i> Activity. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 1034-1044.	5.2	34
18	Aggregation-Induced Emission Probe for Study of the Bactericidal Mechanism of Antimicrobial Peptides. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 11436-11442.	8.0	70

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19	Immobilization of an antimicrobial peptide on silicon surface with stable activity by click chemistry. <i>Journal of Materials Chemistry B</i> , 2018, 6, 68-74.	5.8	54
20	Temperature-Controlled Reversible Exposure and Hiding of Antimicrobial Peptides on an Implant for Killing Bacteria at Room Temperature and Improving Biocompatibility in Vivo. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 35830-35837.	8.0	34
21	Î±-Cyclodextrins Polyrotaxane Loading Silver Sulfadiazine. <i>Polymers</i> , 2018, 10, 190.	4.5	6
22	Preparation of an antimicrobial surface by direct assembly of antimicrobial peptide with its surface binding activity. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2407-2415.	5.8	24
23	To prepare the collagen-based artificial cornea with improved mechanical and biological property by ultraviolet-A/riboflavin crosslinking. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45226.	2.6	10
24	Antimicrobial Hyaluronic Acid/Poly(amidoamine) Dendrimer Multilayer on Poly(3-hydroxybutyrate-co-4-hydroxybutyrate) Prepared by a Layer-by-Layer Self-Assembly Method. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 13876-13881.	8.0	29
25	Local co-delivery and release of antimicrobial peptide and RGD using porous TiO <sub>2</sub> . <i>RSC Advances</i> , 2014, 4, 27630-27633.	3.6	6
26	The promotion of antimicrobial activity on silicon substrates using a click-immobilized short peptide. <i>Chemical Communications</i> , 2014, 50, 975-977.	4.1	45
27	Click-Immobilization of a VEGF-Mimetic Peptide on Decellularized Endothelial Extracellular Matrix to Enhance Angiogenesis. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 8401-8406.	8.0	35