

# Peng Li

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67

papers

3,457

citations

28

h-index

58

g-index

70

ext. papers

4,455

ext. citations

10.3

avg, IF

5.55

L-index

#	Paper	IF	Citations
67	Intelligent polymeric hydrogen sulfide delivery systems for therapeutic applications.. <i>Bioactive Materials</i> , <b>2023</b> , 19, 198-216	16.7	4
66	Ultra-Sensitive, Deformable, and Transparent Triboelectric Tactile Sensor Based on Micro-Pyramid Patterned Ionic Hydrogel for Interactive Human-Machine Interfaces.. <i>Advanced Science</i> , <b>2022</b> , e2104168	13.6	22
65	Nanoagent-based theranostic strategies against human coronaviruses.. <i>Nano Research</i> , <b>2022</b> , 15, 1-15	10	2
64	Antimicrobial Peptides and Macromolecules for Combating Microbial Infections: From Agents to Interfaces.. <i>ACS Applied Bio Materials</i> , <b>2022</b> ,	4.1	6
63	Multifunctional Magnetic Porous Microspheres for Highly Efficient and Recyclable Water Disinfection and Dye Removal. <i>ACS Applied Polymer Materials</i> , <b>2022</b> , 4, 1576-1585	4.3	2
62	Electroluminescencedynamic Flexible Device for High Efficient Eradication of Drug-resistant Bacteria.. <i>Advanced Materials</i> , <b>2022</b> , e2200334	24	1
61	Core-Cross-Linking of Polymeric Micelles by Di-Substituted -Aroylthiooximes as Linkers for Controlled HS Release.. <i>ACS Macro Letters</i> , <b>2022</b> , 11, 622-629	6.6	0
60	General One-Pot Method for Preparing Highly Water-Soluble and Biocompatible Photoinitiators for Digital Light Processing-Based 3D Printing of Hydrogels. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 55507-55516	9.5	4
59	Hydrogel-based flexible materials for diabetes diagnosis, treatment, and management. <i>Npj Flexible Electronics</i> , <b>2021</b> , 5,	10.7	5
58	Photoactivatable Nitric Oxide-Releasing Gold Nanocages for Enhanced Hyperthermia Treatment of Biofilm-Associated Infections. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 50668-50681	9.5	7
57	Multifunctional CuO-Coated Mesh for Wastewater Treatment: Effective Oil/Water Separation, Organic Contaminants Photodegradation, and Bacterial Photodynamic Inactivation. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2101179	4.6	4
56	Theranostic platforms for specific discrimination and selective killing of bacteria. <i>Acta Biomaterialia</i> , <b>2021</b> , 125, 29-40	10.8	11
55	Targeted polymer-based antibiotic delivery system: A promising option for treating bacterial infections via macromolecular approaches. <i>Progress in Polymer Science</i> , <b>2021</b> , 116, 101389	29.6	19
54	Titanium dioxide nanotubes as drug carriers for infection control and osteogenesis of bone implants. <i>Drug Delivery and Translational Research</i> , <b>2021</b> , 11, 1456-1474	6.2	3
53	Rapid inactivation of multidrug-resistant bacteria and enhancement of osteoinduction via titania nanotubes grafted with polyguanidines. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 69, 188-199	9.1	13
52	Recent Insights into Emerging Coronavirus: SARS-CoV-2. <i>ACS Infectious Diseases</i> , <b>2021</b> , 7, 1369-1388	5.5	13
51	Engineering poly(ionic liquid) semi-IPN hydrogels with fast antibacterial and anti-inflammatory properties for wound healing. <i>Chemical Engineering Journal</i> , <b>2021</b> , 413, 127429	14.7	10

50	Emerging photothermal-derived multimodal synergistic therapy in combating bacterial infections. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 8762-8789	58.5	63
49	Antimicrobial Effect of a Novel Chitosan Derivative and Its Synergistic Effect with Antibiotics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 3237-3245	9.5	24
48	One-step vapor deposition of fluorinated polycationic coating to fabricate antifouling and anti-infective textile against drug-resistant bacteria and viruses. <i>Chemical Engineering Journal</i> , <b>2021</b> , 418, 129368	14.7	15
47	Simultaneous Efficient Decontamination of Bacteria and Heavy Metals via Capacitive Deionization Using Polydopamine/Polyhexamethylene Guanidine Co-deposited Activated Carbon Electrodes.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 61669-61680	9.5	2
46	Precisely Structured Nitric-Oxide-Releasing Copolymer Brush Defeats Broad-Spectrum Catheter-Associated Biofilm Infections. <i>ACS Central Science</i> , <b>2020</b> , 6, 2031-2045	16.8	18
45	Initiated Chemical Vapor Deposition of Graded Polymer Coatings Enabling Antibacterial, Antifouling, and Biocompatible Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 18978-18986	9.5	23
44	Single-step fabrication of catechol- $\epsilon$ -poly-L-lysine antimicrobial paint that prevents superbug infection and promotes osteoconductivity of titanium implants. <i>Chemical Engineering Journal</i> , <b>2020</b> , 396, 125240	14.7	22
43	Perspectives on Biomaterial-Associated Infection: Pathogenesis and Current Clinical Demands <b>2020</b> , 75-93		1
42	The Strategies of Pathogen-Oriented Therapy on Circumventing Antimicrobial Resistance. <i>Research</i> , <b>2020</b> , 2020, 2016201	7.8	7
41	Biocompatible metal-free organic phosphorescent nanoparticles for efficiently multidrug-resistant bacteria eradication. <i>Science China Materials</i> , <b>2020</b> , 63, 316-324	7.1	14
40	Flexible and Degradable Multimodal Sensor Fabricated by Transferring Laser-Induced Porous Carbon on Starch Film. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 527-533	8.3	22
39	A multifunctional shape-adaptive and biodegradable hydrogel with hemorrhage control and broad-spectrum antimicrobial activity for wound healing. <i>Biomaterials Science</i> , <b>2020</b> , 8, 6930-6945	7.4	26
38	Synthesis of sandwich-structured silver@polydopamine@silver shells with enhanced antibacterial activities. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 558, 47-54	9.3	19
37	Rejuvenated Photodynamic Therapy for Bacterial Infections. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1900608	10.1	125
36	Povidone-iodine-functionalized fluorinated copolymers with dual-functional antibacterial and antifouling activities. <i>Biomaterials Science</i> , <b>2019</b> , 7, 3334-3347	7.4	29
35	Metal ions weaving isoporous membranes with polystyrene-block-poly (acrylic acid) block copolymer. <i>Journal of Membrane Science</i> , <b>2019</b> , 587, 117086	9.6	17
34	Catechol cross-linked antimicrobial peptide hydrogels prevent multidrug-resistant infection in burn wounds. <i>Bioscience Reports</i> , <b>2019</b> , 39,	4.1	21
33	Design and Synthesis of Biocompatible, Hemocompatible, and Highly Selective Antimicrobial Cationic Peptidopolysaccharides via Click Chemistry. <i>Biomacromolecules</i> , <b>2019</b> , 20, 2230-2240	6.9	43

32	Biomass-Templated Fabrication of Metallic Materials for Photocatalytic and Bactericidal Applications. <i>Materials</i> , <b>2019</b> , 12,	3.5	3
31	Stable and self-healable LbL coating with antibiofilm efficacy based on alkylated polyethyleneimine micelles. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 3865-3875	7.3	17
30	Mussel-Inspired, Surface-Attachable Initiator for Grafting of Antimicrobial and Antifouling Hydrogels. <i>Macromolecular Rapid Communications</i> , <b>2019</b> , 40, e1900268	4.8	29
29	Mussel-Inspired Hydrogel with Potent Contact-Active Antimicrobial and Wound Healing Promoting Activities.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 3329-3340	4.1	42
28	A Flexible Multimodal Sensor That Detects Strain, Humidity, Temperature, and Pressure with Carbon Black and Reduced Graphene Oxide Hierarchical Composite on Paper. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 40613-40619	9.5	75
27	Antibacterial and hydroxyapatite-forming coating for biomedical implants based on polypeptide-functionalized titania nanospikes. <i>Biomaterials Science</i> , <b>2019</b> , 8, 278-289	7.4	37
26	Nitric Oxide-Releasing Polymeric Materials for Antimicrobial Applications: A Review. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	47
25	Electrofabrication of functional materials: Chloramine-based antimicrobial film for infectious wound treatment. <i>Acta Biomaterialia</i> , <b>2018</b> , 73, 190-203	10.8	20
24	Bio-inspired redox-cycling antimicrobial film for sustained generation of reactive oxygen species. <i>Biomaterials</i> , <b>2018</b> , 162, 109-122	15.6	40
23	Flexible, Degradable, and Cost-Effective Strain Sensor Fabricated by a Scalable Papermaking Procedure. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 15749-15755	8.3	30
22	Hydrogel Effects Rapid Biofilm Debridement with ex situ Contact-Kill to Eliminate Multidrug Resistant Bacteria in vivo. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 20356-20367	9.5	34
21	Autoclaving-Derived Surface Coating with In Vitro and In Vivo Antimicrobial and Antibiofilm Efficacies. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1601173	10.1	73
20	Rationally designed dual functional block copolymers for bottlebrush-like coatings: In vitro and in vivo antimicrobial, antibiofilm, and antifouling properties. <i>Acta Biomaterialia</i> , <b>2017</b> , 51, 112-124	10.8	120
19	Cationic peptidopolysaccharides synthesized by click chemistry with enhanced broad-spectrum antimicrobial activities. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 3788-3800	4.9	66
18	Highly antibacterial polypeptide-based amphiphilic copolymers as multifunctional non-viral vectors for enhanced intracellular siRNA delivery and anti-infection. <i>Acta Biomaterialia</i> , <b>2017</b> , 58, 90-101	10.8	22
17	Dual-Functional Polyethylene Glycol-b-polyhexanide Surface Coating with in Vitro and in Vivo Antimicrobial and Antifouling Activities. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 10383-10397	9.5	115
16	An Environmentally Benign Antimicrobial Coating Based on a Protein Supramolecular Assembly. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 198-210	9.5	122
15	Methacrylate-ended polypeptides and polypeptoids for antimicrobial and antifouling coatings. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 6386-6397	4.9	65

14	High-Performance Capacitive Deionization Disinfection of Water with Graphene Oxide-graft-Quaternized Chitosan Nanohybrid Electrode Coating. <i>ACS Nano</i> , <b>2015</b> , 9, 10142-57	16.7	74
13	Antibacterial and conductive injectable hydrogels based on quaternized chitosan-graft-polyaniline/oxidized dextran for tissue engineering. <i>Acta Biomaterialia</i> , <b>2015</b> , 26, 236-48	10.8	346
12	Free radical nano scavenger based on amphiphilic novolacs. <i>RSC Advances</i> , <b>2015</b> , 5, 95666-95673	3.7	5
11	Functionalized scaffolds to enhance tissue regeneration. <i>International Journal of Energy Production and Management</i> , <b>2015</b> , 2, 47-57	5.3	97
10	Antimicrobial functionalization of silicone surfaces with engineered short peptides having broad spectrum antimicrobial and salt-resistant properties. <i>Acta Biomaterialia</i> , <b>2014</b> , 10, 258-66	10.8	110
9	Finely dispersed single-walled carbon nanotubes for polysaccharide hydrogels. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 4610-5	9.5	16
8	Antimicrobial macromolecules: synthesis methods and future applications. <i>RSC Advances</i> , <b>2012</b> , 2, 4031	3.7	77
7	Argon-plasma-induced ultrathin thermal grafting of thermoresponsive pNIPAm coating for contractile patterned human SMC sheet engineering. <i>Macromolecular Bioscience</i> , <b>2012</b> , 12, 937-45	5.5	20
6	Cationic peptidopolysaccharides show excellent broad-spectrum antimicrobial activities and high selectivity. <i>Advanced Materials</i> , <b>2012</b> , 24, 4130-7	24	193
5	A polycationic antimicrobial and biocompatible hydrogel with microbe membrane suctioning ability. <i>Nature Materials</i> , <b>2011</b> , 10, 149-56	27	588
4	A photopolymerized antimicrobial hydrogel coating derived from epsilon-poly-L-lysine. <i>Biomaterials</i> , <b>2011</b> , 32, 2704-12	15.6	173
3	Novel short antibacterial and antifungal peptides with low cytotoxicity: Efficacy and action mechanisms. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 398, 594-600	3.4	52
2	High potency and broad-spectrum antimicrobial peptides synthesized via ring-opening polymerization of alpha-aminoacid-N-carboxyanhydrides. <i>Biomacromolecules</i> , <b>2010</b> , 11, 60-7	6.9	125
1	Selective inactivation of Gram-positive bacteria in vitro and in vivo through metabolic labelling. <i>Science China Materials</i> , 1	7.1	4