

Peng Li

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3859263/peng-li-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	A polycationic antimicrobial and biocompatible hydrogel with microbe membrane suctioning ability. <i>Nature Materials</i> , 2011 , 10, 149-56	27	588
66	Antibacterial and conductive injectable hydrogels based on quaternized chitosan-graft-polyaniline/oxidized dextran for tissue engineering. <i>Acta Biomaterialia</i> , 2015 , 26, 236-48	10.8	346
65	Cationic peptidopolysaccharides show excellent broad-spectrum antimicrobial activities and high selectivity. <i>Advanced Materials</i> , 2012 , 24, 4130-7	24	193
64	A photopolymerized antimicrobial hydrogel coating derived from epsilon-poly-L-lysine. <i>Biomaterials</i> , 2011 , 32, 2704-12	15.6	173
63	Rejuvenated Photodynamic Therapy for Bacterial Infections. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900608	10.1	125
62	High potency and broad-spectrum antimicrobial peptides synthesized via ring-opening polymerization of alpha-aminoacid-N-carboxyanhydrides. <i>Biomacromolecules</i> , 2010 , 11, 60-7	6.9	125
61	An Environmentally Benign Antimicrobial Coating Based on a Protein Supramolecular Assembly. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 198-210	9.5	122
60	Rationally designed dual functional block copolymers for bottlebrush-like coatings: In vitro and in vivo antimicrobial, antibiofilm, and antifouling properties. <i>Acta Biomaterialia</i> , 2017 , 51, 112-124	10.8	120
59	Dual-Functional Polyethylene Glycol-b-polyhexanide Surface Coating with in Vitro and in Vivo Antimicrobial and Antifouling Activities. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10383-10397	9.5	115
58	Antimicrobial functionalization of silicone surfaces with engineered short peptides having broad spectrum antimicrobial and salt-resistant properties. <i>Acta Biomaterialia</i> , 2014 , 10, 258-66	10.8	110
57	Functionalized scaffolds to enhance tissue regeneration. <i>International Journal of Energy Production and Management</i> , 2015 , 2, 47-57	5.3	97
56	Antimicrobial macromolecules: synthesis methods and future applications. <i>RSC Advances</i> , 2012 , 2, 4031	3.7	77
55	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 & Interfaces</i> , 2019 , 11, 40613-40619	9.5	75
54	High-Performance Capacitive Deionization Disinfection of Water with Graphene Oxide-graft-Quaternized Chitosan Nanohybrid Electrode Coating. <i>ACS Nano</i> , 2015 , 9, 10142-57	16.7	74
53	Autoclaving-Derived Surface Coating with In Vitro and In Vivo Antimicrobial and Antibiofilm Efficacies. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601173	10.1	73
52	Cationic peptidopolysaccharides synthesized by Click Chemistry with enhanced broad-spectrum antimicrobial activities. <i>Polymer Chemistry</i> , 2017 , 8, 3788-3800	4.9	66
51	Methacrylate-ended polypeptides and polypeptoids for antimicrobial and antifouling coatings. <i>Polymer Chemistry</i> , 2017 , 8, 6386-6397	4.9	65

50	Emerging photothermal-derived multimodal synergistic therapy in combating bacterial infections. <i>Chemical Society Reviews</i> , 2021 , 50, 8762-8789	58.5	63
49	Novel short antibacterial and antifungal peptides with low cytotoxicity: Efficacy and action mechanisms. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 398, 594-600	3.4	52
48	Nitric Oxide-Releasing Polymeric Materials for Antimicrobial Applications: A Review. <i>Antioxidants</i> , 2019 , 8,	7.1	47
47	Design and Synthesis of Biocompatible, Hemocompatible, and Highly Selective Antimicrobial Cationic Peptidopolysaccharides via Click Chemistry. <i>Biomacromolecules</i> , 2019 , 20, 2230-2240	6.9	43
46	Mussel-Inspired Hydrogel with Potent Contact-Active Antimicrobial and Wound Healing Promoting Activities.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 3329-3340	4.1	42
45	Bio-inspired redox-cycling antimicrobial film for sustained generation of reactive oxygen species. <i>Biomaterials</i> , 2018 , 162, 109-122	15.6	40
44	Antibacterial and hydroxyapatite-forming coating for biomedical implants based on polypeptide-functionalized titania nanopikes. <i>Biomaterials Science</i> , 2019 , 8, 278-289	7.4	37
43	Hydrogel Effects Rapid Biofilm Debridement with ex situ Contact-Kill to Eliminate Multidrug Resistant Bacteria in vivo. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20356-20367	9.5	34
42	Flexible, Degradable, and Cost-Effective Strain Sensor Fabricated by a Scalable Papermaking Procedure. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 15749-15755	8.3	30
41	Povidone-iodine-functionalized fluorinated copolymers with dual-functional antibacterial and antifouling activities. <i>Biomaterials Science</i> , 2019 , 7, 3334-3347	7.4	29
40	Mussel-Inspired, Surface-Attachable Initiator for Grafting of Antimicrobial and Antifouling Hydrogels. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1900268	4.8	29
39	A multifunctional shape-adaptive and biodegradable hydrogel with hemorrhage control and broad-spectrum antimicrobial activity for wound healing. <i>Biomaterials Science</i> , 2020 , 8, 6930-6945	7.4	26
38	Antimicrobial Effect of a Novel Chitosan Derivative and Its Synergistic Effect with Antibiotics. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 3237-3245	9.5	24
37	Initiated Chemical Vapor Deposition of Graded Polymer Coatings Enabling Antibacterial, Antifouling, and Biocompatible Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 18978-18986	9.5	23
36	Highly antibacterial polypeptide-based amphiphilic copolymers as multifunctional non-viral vectors for enhanced intracellular siRNA delivery and anti-infection. <i>Acta Biomaterialia</i> , 2017 , 58, 90-101	10.8	22
35	Single-step fabrication of catechol-Epoxy-L-lysine antimicrobial paint that prevents superbug infection and promotes osteoconductivity of titanium implants. <i>Chemical Engineering Journal</i> , 2020 , 396, 125240	14.7	22
34	Ultra-Sensitive, Deformable, and Transparent Triboelectric Tactile Sensor Based on Micro-Pyramid Patterned Ionic Hydrogel for Interactive Human-Machine Interfaces.. <i>Advanced Science</i> , 2022 , e2104168	13.6	22
33	Flexible and Degradable Multimodal Sensor Fabricated by Transferring Laser-Induced Porous Carbon on Starch Film. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 527-533	8.3	22

32	Catechol cross-linked antimicrobial peptide hydrogels prevent multidrug-resistant infection in burn wounds. <i>Bioscience Reports</i> , 2019 , 39,	4.1	21
31	Electrofabrication of functional materials: Chloramine-based antimicrobial film for infectious wound treatment. <i>Acta Biomaterialia</i> , 2018 , 73, 190-203	10.8	20
30	Argon-plasma-induced ultrathin thermal grafting of thermoresponsive pNIPAm coating for contractile patterned human SMC sheet engineering. <i>Macromolecular Bioscience</i> , 2012 , 12, 937-45	5.5	20
29	Targeted polymer-based antibiotic delivery system: A promising option for treating bacterial infections via macromolecular approaches. <i>Progress in Polymer Science</i> , 2021 , 116, 101389	29.6	19
28	Synthesis of sandwich-structured silver@polydopamine@silver shells with enhanced antibacterial activities. <i>Journal of Colloid and Interface Science</i> , 2020 , 558, 47-54	9.3	19
27	Precisely Structured Nitric-Oxide-Releasing Copolymer Brush Defeats Broad-Spectrum Catheter-Associated Biofilm Infections. <i>ACS Central Science</i> , 2020 , 6, 2031-2045	16.8	18
26	Metal ions weaving isoporous membranes with polystyrene-block-poly (acrylic acid) block copolymer. <i>Journal of Membrane Science</i> , 2019 , 587, 117086	9.6	17
25	Stable and self-healable LbL coating with antibiofilm efficacy based on alkylated polyethyleneimine micelles. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 3865-3875	7.3	17
24	Finely dispersed single-walled carbon nanotubes for polysaccharide hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 4610-5	9.5	16
23	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> , 2021 , 418, 129368	14.7	15
22	Biocompatible metal-free organic phosphorescent nanoparticles for efficiently multidrug-resistant bacteria eradication. <i>Science China Materials</i> , 2020 , 63, 316-324	7.1	14
21	Rapid inactivation of multidrug-resistant bacteria and enhancement of osteoinduction via titania nanotubes grafted with polyguanidines. <i>Journal of Materials Science and Technology</i> , 2021 , 69, 188-199	9.1	13
20	Recent Insights into Emerging Coronavirus: SARS-CoV-2. <i>ACS Infectious Diseases</i> , 2021 , 7, 1369-1388	5.5	13
19	Theranostic platforms for specific discrimination and selective killing of bacteria. <i>Acta Biomaterialia</i> , 2021 , 125, 29-40	10.8	11
18	Engineering poly(ionic liquid) semi-IPN hydrogels with fast antibacterial and anti-inflammatory properties for wound healing. <i>Chemical Engineering Journal</i> , 2021 , 413, 127429	14.7	10
17	The Strategies of Pathogen-Oriented Therapy on Circumventing Antimicrobial Resistance. <i>Research</i> , 2020 , 2020, 2016201	7.8	7
16	Photoactivatable Nitric Oxide-Releasing Gold Nanocages for Enhanced Hyperthermia Treatment of Biofilm-Associated Infections. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 50668-50681	9.5	7
15	Antimicrobial Peptides and Macromolecules for Combating Microbial Infections: From Agents to Interfaces.. <i>ACS Applied Bio Materials</i> , 2022 ,	4.1	6

14	Free radical nano scavenger based on amphiphilic novolacs. <i>RSC Advances</i> , 2015 , 5, 95666-95673	3.7	5
13	Hydrogel-based flexible materials for diabetes diagnosis, treatment, and management. <i>Npj Flexible Electronics</i> , 2021 , 5,	10.7	5
12	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 & Interfaces</i> , 2021 , 13, 55507-55516	9.5	4
11	Multifunctional CuO-Coated Mesh for Wastewater Treatment: Effective Oil/Water Separation, Organic Contaminants Photodegradation, and Bacterial Photodynamic Inactivation. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2101179	4.6	4
10	Selective inactivation of Gram-positive bacteria in vitro and in vivo through metabolic labelling. <i>Science China Materials</i> , 1	7.1	4
9	Intelligent polymeric hydrogen sulfide delivery systems for therapeutic applications.. <i>Bioactive Materials</i> , 2023 , 19, 198-216	16.7	4
8	Biomass-Templated Fabrication of Metallic Materials for Photocatalytic and Bactericidal Applications. <i>Materials</i> , 2019 , 12,	3.5	3
7	Titanium dioxide nanotubes as drug carriers for infection control and osteogenesis of bone implants. <i>Drug Delivery and Translational Research</i> , 2021 , 11, 1456-1474	6.2	3
6	Nanoagent-based theranostic strategies against human coronaviruses.. <i>Nano Research</i> , 2022 , 15, 1-15	10	2
5	Multifunctional Magnetic Porous Microspheres for Highly Efficient and Recyclable Water Disinfection and Dye Removal. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 1576-1585	4.3	2
4	Simultaneous Efficient Decontamination of Bacteria and Heavy Metals via Capacitive Deionization Using Polydopamine/Polyhexamethylene Guanidine Co-deposited Activated Carbon Electrodes.. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 61669-61680	9.5	2
3	Perspectives on Biomaterial-Associated Infection: Pathogenesis and Current Clinical Demands 2020 , 75-93		1
2	Electroluminescencedynamic Flexible Device for High Efficient Eradication of Drug-resistant Bacteria.. <i>Advanced Materials</i> , 2022 , e2200334	24	1
1	Core-Cross-Linking of Polymeric Micelles by Di-Substituted -Aroylthiooximes as Linkers for Controlled HS Release.. <i>ACS Macro Letters</i> , 2022 , 11, 622-629	6.6	0