

# Jinhua Li

## List of Publications by Citations

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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.

52  
papers

2,432  
citations

30  
h-index

49  
g-index

52  
ext. papers

3,069  
ext. citations

10.4  
avg, IF

5.63  
L-index

#	Paper	IF	Citations
52	Antibacterial activity of large-area monolayer graphene film manipulated by charge transfer. <i>Scientific Reports</i> , <b>2014</b> , 4, 4359	4.9	281
51	3D printing of hydrogels: Rational design strategies and emerging biomedical applications. <i>Materials Science and Engineering Reports</i> , <b>2020</b> , 140, 100543	30.9	241
50	Influence of sulfur content on bone formation and antibacterial ability of sulfonated PEEK. <i>Biomaterials</i> , <b>2016</b> , 83, 115-26	15.6	127
49	Zinc-Modified Sulfonated Polyetheretherketone Surface with Immunomodulatory Function for Guiding Cell Fate and Bone Regeneration. <i>Advanced Science</i> , <b>2018</b> , 5, 1800749	13.6	102
48	Antibacterial Surface Design of Titanium-Based Biomaterials for Enhanced Bacteria-Killing and Cell-Assisting Functions Against Periprosthetic Joint Infection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 11162-78	9.5	83
47	Surface thermal oxidation on titanium implants to enhance osteogenic activity and in vivo osseointegration. <i>Scientific Reports</i> , <b>2016</b> , 6, 31769	4.9	78
46	3D printing of functional microrobots. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 2794-2838	58.5	73
45	Silver-nanoparticles-modified biomaterial surface resistant to staphylococcus: new insight into the antimicrobial action of silver. <i>Scientific Reports</i> , <b>2016</b> , 6, 32699	4.9	68
44	A surface-engineered polyetheretherketone biomaterial implant with direct and immunoregulatory antibacterial activity against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Biomaterials</i> , <b>2019</b> , 208, 8-20	15.6	64
43	Antimicrobial activity and cytocompatibility of Ag plasma-modified hierarchical TiO <sub>2</sub> film on titanium surface. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 113, 134-45	6	64
42	Valence State Manipulation of Cerium Oxide Nanoparticles on a Titanium Surface for Modulating Cell Fate and Bone Formation. <i>Advanced Science</i> , <b>2018</b> , 5, 1700678	13.6	63
41	Antibacterial property, angiogenic and osteogenic activity of Cu-incorporated TiO coating. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 6738-6748	7.3	62
40	Effects of a hybrid micro/nanorod topography-modified titanium implant on adhesion and osteogenic differentiation in rat bone marrow mesenchymal stem cells. <i>International Journal of Nanomedicine</i> , <b>2013</b> , 8, 257-65	7.3	62
39	Biofunctionalization of a titanium surface with a nano-sawtooth structure regulates the behavior of rat bone marrow mesenchymal stem cells. <i>International Journal of Nanomedicine</i> , <b>2012</b> , 7, 4459-72	7.3	56
38	Solution-processable organic and hybrid gate dielectrics for printed electronics. <i>Materials Science and Engineering Reports</i> , <b>2018</b> , 127, 1-36	30.9	55
37	Plasmonic gold nanoparticles modified titania nanotubes for antibacterial application. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 261110	3.4	55
36	Oxidative stress-mediated selective antimicrobial ability of nano-VO <sub>2</sub> against Gram-positive bacteria for environmental and biomedical applications. <i>Nanoscale</i> , <b>2016</b> , 8, 11907-23	7.7	54

35	Butyrate-inserted NiTi layered double hydroxide film for H <sub>2</sub> O <sub>2</sub> -mediated tumor and bacteria killing. <i>Materials Today</i> , <b>2017</b> , 20, 238-257	21.8	52
34	CVD Growth of Graphene on NiTi Alloy for Enhanced Biological Activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 19876-81	9.5	48
33	Preparation of laponite bioceramics for potential bone tissue engineering applications. <i>PLoS ONE</i> , <b>2014</b> , 9, e99585	3.7	48
32	Magnesium ion implantation on a micro/nanostructured titanium surface promotes its bioactivity and osteogenic differentiation function. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 2387-98	7.3	45
31	Use of ZnO as antireflective, protective, antibacterial, and biocompatible multifunction nanolayer of thermochromic VO <sub>2</sub> nanofilm for intelligent windows. <i>Applied Surface Science</i> , <b>2016</b> , 363, 532-542	6.7	39
30	Alkali-treated titanium selectively regulating biological behaviors of bacteria, cancer cells and mesenchymal stem cells. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 436, 160-70	9.3	38
29	Tailoring Materials for Modulation of Macrophage Fate. <i>Advanced Materials</i> , <b>2021</b> , 33, e2004172	24	37
28	Enhanced bioactivity and bacteriostasis effect of TiO <sub>2</sub> nanofilms with favorable biomimetic architectures on titanium surface. <i>RSC Advances</i> , <b>2013</b> , 3, 11214	3.7	36
27	Antibacterial ability and hemocompatibility of graphene functionalized germanium. <i>Scientific Reports</i> , <b>2016</b> , 6, 37474	4.9	35
26	Advanced antibacterial activity of biocompatible tantalum nanofilm via enhanced local innate immunity. <i>Acta Biomaterialia</i> , <b>2019</b> , 89, 403-418	10.8	33
25	Selective Tumor Cell Inhibition Effect of Ni-Ti Layered Double Hydroxides Thin Films Driven by the Reversed pH Gradients of Tumor Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 7843-54	9.5	33
24	Vacuum extraction enhances rhPDGF-BB immobilization on nanotubes to improve implant osseointegration in ovariectomized rats. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2014</b> , 10, 1809-18	6	32
23	Chemically regulated bioactive ion delivery platform on a titanium surface for sustained controlled release. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 283-294	7.3	31
22	Strontium delivery on topographical titanium to enhance bioactivity and osseointegration in osteoporotic rats. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 4790-4804	7.3	30
21	Electron transfer induced thermochromism in a VO <sub>2</sub> /graphene heterostructure. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 5089-5097	7.1	27
20	Enhanced Anti-Infective Efficacy of ZnO Nanoreservoirs through a Combination of Intrinsic Anti-Biofilm Activity and Reinforced Innate Defense. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 33609-33623	9.5	27
19	Selenium doped NiTi layered double hydroxide (NiTi LDH) films with selective inhibition effect to cancer cells and bacteria. <i>RSC Advances</i> , <b>2015</b> , 5, 106848-106859	3.7	24
18	Existence, release, and antibacterial actions of silver nanoparticles on Ag-P111 TiO <sub>2</sub> films with different nanotopographies. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 3389-402	7.3	23

17	TRPM7 kinase-mediated immunomodulation in macrophage plays a central role in magnesium ion-induced bone regeneration. <i>Nature Communications</i> , <b>2021</b> , 12, 2885	17.4	22
16	Nano-layered magnesium fluoride reservoirs on biomaterial surfaces strengthen polymorphonuclear leukocyte resistance to bacterial pathogens. <i>Nanoscale</i> , <b>2017</b> , 9, 875-892	7.7	20
15	Optical and electrical switching properties of VO <sub>2</sub> thin film on MgF <sub>2</sub> (111) substrate. <i>Ceramics International</i> , <b>2016</b> , 42, 7655-7663	5.1	19
14	Poly(styrenesulfonate)-Modified Ni-Ti Layered Double Hydroxide Film: A Smart Drug-Eluting Platform. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 24491-501	9.5	19
13	Temperature-responsive tungsten doped vanadium dioxide thin film starves bacteria to death. <i>Materials Today</i> , <b>2019</b> , 22, 35-49	21.8	18
12	A functionalized surface modification with vanadium nanoparticles of various valences against implant-associated bloodstream infection. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 3121-3136	7.3	15
11	Bioinspired interface design modulates pathogen and immunocyte responses in biomaterial-centered infection combination therapy. <i>Materials Horizons</i> , <b>2019</b> , 6, 1271-1282	14.4	14
10	Vanadium Dioxide Nanocoating Induces Tumor Cell Death through Mitochondrial Electron Transport Chain Interruption. <i>Global Challenges</i> , <b>2019</b> , 3, 1800058	4.3	13
9	The potential cytotoxicity and mechanism of VO <sub>2</sub> thin films for intelligent thermochromic windows. <i>RSC Advances</i> , <b>2015</b> , 5, 106315-106324	3.7	13
8	Ultrasonically Propelled Micro- and Nanorobots. <i>Advanced Functional Materials</i> , 2102265	15.6	13
7	Graphene film-functionalized germanium as a chemically stable, electrically conductive, and biologically active substrate. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 1544-1555	7.3	12
6	Band Gap Engineering of Titania Film through Cobalt Regulation for Oxidative Damage of Bacterial Respiration and Viability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 27475-27490	9.5	10
5	Nano vanadium dioxide films deposited on biomedical titanium: a novel approach for simultaneously enhanced osteogenic and antibacterial effects. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2018</b> , 46, 58-74	6.1	8
4	Anti-biofouling function of amorphous nano-TaO coating for VO-based intelligent windows. <i>Nanotechnology</i> , <b>2017</b> , 28, 175705	3.4	4
3	Biohybrid Micro- and Nanorobots for Intelligent Drug Delivery. <i>Cyborg and Bionic Systems</i> , <b>2022</b> , 2022, 1-13	0	3
2	Trace Element-Augmented Titanium Implant With Targeted Angiogenesis and Enhanced Osseointegration in Osteoporotic Rats. <i>Frontiers in Chemistry</i> , <b>2022</b> , 10, 839062	5	2
1	Integration of BiOI nanosheets into bubble-propelled micromotors for efficient water purification. <i>FlatChem</i> , <b>2021</b> , 100294	5.1	1