

# Wilson Wang

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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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.

69  
papers

2,615  
citations

26  
h-index

50  
g-index

72  
ext. papers

2,958  
ext. citations

5.2  
avg, IF

5.41  
L-index

#	Paper	IF	Citations
69	3D-printed nails for aesthetic silicone prostheses.. <i>Prosthetics and Orthotics International</i> , <b>2022</b> ,	1.5	1
68	Carboxylic acid-functionalized polycarbonates as bone cement additives for enhanced and sustained release of antibiotics. <i>Journal of Controlled Release</i> , <b>2021</b> , 329, 871-881	11.7	3
67	Novel Coronavirus and Orthopaedic Surgery: Early Experiences from Singapore. <i>Journal of Bone and Joint Surgery - Series A</i> , <b>2020</b> , 102, 745-749	5.6	155
66	circASXL1-1 regulates BAP1 deubiquitinase activity in leukemia. <i>Haematologica</i> , <b>2020</b> , 105, e343-e348	6.6	5
65	Frequent upregulation of G9a promotes RelB-dependent proliferation and survival in multiple myeloma. <i>Experimental Hematology and Oncology</i> , <b>2020</b> , 9, 8	7.8	6
64	Macrophages protect mycoplasma-infected chronic myeloid leukemia cells from natural killer cell killing. <i>Immunology and Cell Biology</i> , <b>2020</b> , 98, 138-151	5	3
63	Short-duration chemoprophylaxis might reduce incidence of deep vein thrombosis in Asian patients undergoing total knee arthroplasty. <i>Knee Surgery and Related Research</i> , <b>2020</b> , 32, 58	2.5	2
62	Pandemics and Their Impact on Medical Training: Lessons From Singapore. <i>Academic Medicine</i> , <b>2020</b> , 95, 1359-1361	3.9	98
61	Development of combined medium for in-vitro co-culture of mesenchymal stem cell and pseudomonas aeruginosa. <i>Materials Technology</i> , <b>2020</b> , 35, 752-758	2.1	0
60	Biomechanical analysis of proximal tibia bone grafting and the effect of the size of osteotomy using a validated finite element model. <i>Medical and Biological Engineering and Computing</i> , <b>2019</b> , 57, 1823-1832	3.1	2
59	Bioinspired polydopamine and polyphenol tannic acid functionalized titanium suppress osteoclast differentiation: a facile and efficient strategy to regulate osteoclast activity at bone-implant interface. <i>Journal of the Royal Society Interface</i> , <b>2019</b> , 16, 20180799	4.1	11
58	Use of Polyphenol Tannic Acid to Functionalize Titanium with Strontium for Enhancement of Osteoblast Differentiation and Reduction of Osteoclast Activity. <i>Polymers</i> , <b>2019</b> , 11,	4.5	14
57	Estradiol-Loaded Poly(E-caprolactone)/Silk Fibroin Electrospun Microfibers Decrease Osteoclast Activity and Retain Osteoblast Function. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 9988-9998	9.5	19
56	Effect of Grain Boundary on the Wear Behaviour of NiTi Shape Memory Alloys When Mf Tribology Letters, <b>2018</b> , 66, 1	2.8	2
55	Development of mesoporous bioactive glass nanoparticles and its use in bone tissue engineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2018</b> , 106, 2878-2887	3.5	23
54	What Is the Role of Diagnostic and Therapeutic Sonication in Periprosthetic Joint Infections?. <i>Journal of Arthroplasty</i> , <b>2018</b> , 33, 2575-2581	4.4	7
53	Aberrant hyperediting of the myeloma transcriptome by ADAR1 confers oncogenicity and is a marker of poor prognosis. <i>Blood</i> , <b>2018</b> , 132, 1304-1317	2.2	36

52	Modulation of Osteoclast Interactions with Orthopaedic Biomaterials. <i>Journal of Functional Biomaterials</i> , <b>2018</b> , 9,	4.8	18
51	Early clinical manifestations of vibrio necrotising fasciitis. <i>Singapore Medical Journal</i> , <b>2018</b> , 59, 224-227	1.9	3
50	Functional status mediates the association between peripheral neuropathy and health-related quality of life in individuals with diabetes. <i>Acta Diabetologica</i> , <b>2018</b> , 55, 155-164	3.9	18
49	Functional regeneration of tendons using scaffolds with physical anisotropy engineered via microarchitectural manipulation. <i>Science Advances</i> , <b>2018</b> , 4, eaat4537	14.3	35
48	Beta-cyclodextrin modified mesoporous bioactive glass nanoparticles/silk fibroin hybrid nanofibers as an implantable estradiol delivery system for the potential treatment of osteoporosis. <i>Nanoscale</i> , <b>2018</b> , 10, 18341-18353	7.7	11
47	Uniformly-dispersed nanohydroxyapatite-reinforced poly(L-lactide) composite films for tendon tissue engineering application. <i>Materials Science and Engineering C</i> , <b>2017</b> , 70, 1149-1155	8.3	26
46	Direct E-jet printing of three-dimensional fibrous scaffold for tendon tissue engineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2017</b> , 105, 616-627	3.5	37
45	Mechanical properties and antibiotic release characteristics of poly(methyl methacrylate)-based bone cement formulated with mesoporous silica nanoparticles. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2017</b> , 72, 163-170	4.1	44
44	Super-Enhancers and Broad H3K4me3 Domains Form Complex Gene Regulatory Circuits Involving Chromatin Interactions. <i>Scientific Reports</i> , <b>2017</b> , 7, 2186	4.9	40
43	A novel technique for modified all-inside repair of bucket-handle meniscus tears using standard arthroscopic portals. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2017</b> , 12, 188	2.8	5
42	In Vitro Findings of Titanium Functionalized with Estradiol via Polydopamine Adlayer. <i>Journal of Functional Biomaterials</i> , <b>2017</b> , 8,	4.8	3
41	Outpatient management of knee osteoarthritis. <i>Singapore Medical Journal</i> , <b>2017</b> , 58, 580-584	1.9	5
40	Knee pain: a cautionary tale of lipoma arborescens. <i>BMJ Case Reports</i> , <b>2016</b> , 2016,	0.9	
39	Compression and flexural strength of bone cement mixed with blood. <i>Journal of Orthopaedic Surgery</i> , <b>2016</b> , 24, 240-4	1.4	9
38	Mechanically-enhanced three-dimensional scaffold with anisotropic morphology for tendon regeneration. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2016</b> , 27, 115	4.5	29
37	A biomechanical study of proximal tibia bone grafting through the lateral approach. <i>Injury</i> , <b>2016</b> , 47, 2407-2414	2.5	8
36	Surface modification of titanium with curcumin: a promising strategy to combat fibrous encapsulation. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 2137-2146	7.3	25
35	Changes in dimensions of total knee arthroplasty anterior knee dressings during flexion: Preliminary findings. <i>International Journal of Orthopaedic and Trauma Nursing</i> , <b>2015</b> , 19, 179-83	1.1	1

34	Effect of storage temperature and equilibration time on polymethyl methacrylate (PMMA) bone cement polymerization in joint replacement surgery. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2015</b> , 10, 178	2.8	11
33	Total knee arthroplasty in a patient with a fused ipsilateral hip. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2015</b> , 10, 127	2.8	5
32	Fabrication of three-dimensional porous scaffolds with controlled filament orientation and large pore size via an improved E-jetting technique. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2014</b> , 102, 651-8	3.5	35
31	Enhanced endothelial differentiation of adipose-derived stem cells by substrate nanotopography. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2014</b> , 8, 50-8	4.4	36
30	Accelerated bone growth in vitro by the conjugation of BMP2 peptide with hydroxyapatite on titanium alloy. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 116, 681-6	6	38
29	Intra-articular correction of extra-articular tibial deformities with total knee arthroplasty. <i>International Journal of Surgery Case Reports</i> , <b>2013</b> , 4, 276-8	0.8	2
28	Anti-fibrosis effect of BMP-7 peptide functionalization on cobalt chromium alloy. <i>Journal of Orthopaedic Research</i> , <b>2013</b> , 31, 983-90	3.8	12
27	Collagen grafted 3D polycaprolactone scaffolds for enhanced cartilage regeneration. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 5971-5976	7.3	41
26	An in vitro assessment of fibroblast and osteoblast response to alendronate-modified titanium and the potential for decreasing fibrous encapsulation. <i>Tissue Engineering - Part A</i> , <b>2013</b> , 19, 1919-30	3.9	18
25	Covalently grafted BMP-7 peptide to reduce macrophage/monocyte activity: an in vitro study on cobalt chromium alloy. <i>Biotechnology and Bioengineering</i> , <b>2013</b> , 110, 969-79	4.9	9
24	An in vitro assessment of surface modification strategies for orthopedic applications. <i>Thin Solid Films</i> , <b>2013</b> , 544, 254-259	2.2	
23	Chemically-modified calcium phosphate coatings via drop-on-demand micro-dispensing technique. <i>Surface and Coatings Technology</i> , <b>2013</b> , 231, 29-33	4.4	9
22	Combined effects of direct current stimulation and immobilized BMP-2 for enhancement of osteogenesis. <i>Biotechnology and Bioengineering</i> , <b>2013</b> , 110, 1466-75	4.9	41
21	A case of unusual Gram-negative bacilli septic arthritis in an immunocompetent patient. <i>Singapore Medical Journal</i> , <b>2013</b> , 54, e164-8	1.9	19
20	Fabrication of bio-inspired composite coatings for titanium implants using the micro-dispensing technique. <i>Microsystem Technologies</i> , <b>2012</b> , 18, 2041-2051	1.7	12
19	Immobilization strategy for optimizing VEGF's concurrent bioactivity towards endothelial cells and osteoblasts on implant surfaces. <i>Biomaterials</i> , <b>2012</b> , 33, 8082-93	15.6	45
18	In vitro characterizations of mesoporous hydroxyapatite as a controlled release delivery device for VEGF in orthopedic applications. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2012</b> , 100, 3143-50	5.4	19
17	Bio-Inspired Organic-Inorganic Composite Coatings for Implants via a Micro-Dispensing Technique. <i>Advanced Materials Research</i> , <b>2012</b> , 500, 662-672	0.5	2

16	Cobalt chromium alloy with immobilized BMP peptide for enhanced bone growth. <i>Journal of Orthopaedic Research</i> , <b>2011</b> , 29, 1424-30	3.8	27
15	Orthopaedic implant technology: biomaterials from past to future. <i>Annals of the Academy of Medicine, Singapore</i> , <b>2011</b> , 40, 237-44	2.8	20
14	Osteofibrous dysplasia of the tibia in a young adult treated by Sofield osteotomy. <i>Current Orthopaedic Practice</i> , <b>2010</b> , 21, E48-E51	0.4	
13	The effect of VEGF functionalization of titanium on endothelial cells in vitro. <i>Biomaterials</i> , <b>2010</b> , 31, 1578-85	3.5	190
12	An in vitro assessment of titanium functionalized with polysaccharides conjugated with vascular endothelial growth factor for enhanced osseointegration and inhibition of bacterial adhesion. <i>Biomaterials</i> , <b>2010</b> , 31, 8854-63	15.6	132
11	Poly (lactic-co-glycolic acid) as a controlled release delivery device. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2009</b> , 20, 1669-75	4.5	39
10	Titanium with surface-grafted dextran and immobilized bone morphogenetic protein-2 for inhibition of bacterial adhesion and enhancement of osteoblast functions. <i>Tissue Engineering - Part A</i> , <b>2009</b> , 15, 417-26	3.9	91
9	(Carboxymethyl)chitosan-modified superparamagnetic iron oxide nanoparticles for magnetic resonance imaging of stem cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 328-35	9.5	92
8	Surface functionalization of titanium with carboxymethyl chitosan and immobilized bone morphogenetic protein-2 for enhanced osseointegration. <i>Biomacromolecules</i> , <b>2009</b> , 10, 1603-11	6.9	144
7	Bioactive titanium implant surfaces with bacterial inhibition and osteoblast function enhancement properties. <i>International Journal of Artificial Organs</i> , <b>2008</b> , 31, 777-85	1.9	20
6	Surface functionalization of titanium with hyaluronic acid/chitosan polyelectrolyte multilayers and RGD for promoting osteoblast functions and inhibiting bacterial adhesion. <i>Biomaterials</i> , <b>2008</b> , 29, 1412-21	15.6	396
5	Staphylococcus aureus capsular material promotes osteoclast formation. <i>Injury</i> , <b>2006</b> , 37 Suppl 2, S41-8	2.5	40
4	Antibacterial and mechanical properties of bone cement impregnated with chitosan nanoparticles. <i>Biomaterials</i> , <b>2006</b> , 27, 2440-9	15.6	304
3	NEW FRONTIERS IN HIP SURGERY AND RESEARCH OPPORTUNITIES <b>2002</b> , 575-594		
2	Biomaterial particle phagocytosis by bone-resorbing osteoclasts. <i>Journal of Bone and Joint Surgery: British Volume</i> , <b>1997</b> , 79, 849-56		59
1	Three-dimensional Genome Organization Maps in Normal Haematopoietic Stem Cells and Acute Myeloid Leukemia		1