

# Wenhao Wang

## List of Publications by Year in descending order

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21  
papers

2,152  
citations

686830

13  
h-index

752256

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

3628  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of a bio-instructive scaffold conferred with a favorable microenvironment allowing for superior implant osseointegration and accelerated in situ vascularized bone regeneration via type H vessel formation. <i>Bioactive Materials</i> , 2022, 9, 491-507.	8.6	14
2	Magnesium cationic cue enriched interfacial tissue microenvironment nurtures the osseointegration of gamma-irradiated allograft bone. <i>Bioactive Materials</i> , 2022, 10, 32-47.	8.6	10
3	TRPM7 kinase-mediated immunomodulation in macrophage plays a central role in magnesium ion-induced bone regeneration. <i>Nature Communications</i> , 2021, 12, 2885.	5.8	118
4	Plasma surface modifications of orthopedic biomaterials by the adoption of bioinorganic cations: a review. <i>Surface Innovations</i> , 2020, 8, 203-215.	1.4	8
5	Collagen formation observed from healing calvarial defects with principal component analysis of Raman scattering. <i>Analyst</i> , The, 2018, 143, 4614-4622.	1.7	7
6	Bone grafts and biomaterials substitutes for bone defect repair: A review. <i>Bioactive Materials</i> , 2017, 2, 224-247.	8.6	1,176
7	Bone Grafts and Bone Substitutes for Bone Defect Management. , 2017, , 495-545.		4
8	Development of novel implants with self-antibacterial performance through in-situ growth of 1D ZnO nanowire. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 623-633.	2.5	23
9	Improvement of corrosion resistance and biocompatibility of rare-earth WE43 magnesium alloy by neodymium self-ion implantation. <i>Corrosion Science</i> , 2015, 94, 142-155.	3.0	161
10	Enhanced Bioactivity of Biomedical NiTi Through Surface Plasma Polymerization. <i>Nanoscience and Nanotechnology Letters</i> , 2015, 7, 220-225.	0.4	6
11	Enhanced corrosion resistance and hemocompatibility of biomedical NiTi alloy by atmospheric-pressure plasma polymerized fluorine-rich coating. <i>Applied Surface Science</i> , 2014, 297, 109-115.	3.1	31
12	Cytocompatibility, osseointegration, and bioactivity of three-dimensional porous and nanostructured network on polyetheretherketone. <i>Biomaterials</i> , 2013, 34, 9264-9277.	5.7	302
13	Magnetic, fluorescent, and thermo-responsive Fe <sub>3</sub> O <sub>4</sub> /rare earth incorporated poly(St-NIPAM) core-shell colloidal nanoparticles in multimodal optical/magnetic resonance imaging probes. <i>Biomaterials</i> , 2013, 34, 2296-2306.	5.7	85
14	Fluorescent Magnetic Fe <sub>3</sub> O <sub>4</sub> /Rare Earth Colloidal Nanoparticles for Dual-Modality Imaging. <i>Small</i> , 2013, 9, 2991-3000.	5.2	42
15	Electrochemically deposited chitosan/Ag complex coatings on biomedical NiTi alloy for antibacterial application. <i>Surface and Coatings Technology</i> , 2013, 232, 370-375.	2.2	49
16	Synthesis and properties of hyperbranched polyimides derived from novel triamine with prolonged chain segments. <i>Journal of Polymer Science Part A</i> , 2013, 51, 2425-2437.	2.5	27
17	Thermosensitive poly(N-isopropylacrylamide-co-glycidyl methacrylate) microgels for controlled drug release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 101, 251-255.	2.5	49
18	Synthesis and characterization of highly soluble and optically transparent polyimides derived from novel fluorinated pyridine-containing aromatic diamine. <i>High Performance Polymers</i> , 2013, 25, 268-277.	0.8	13

#	ARTICLE	IF	CITATIONS
19	In vitro corrosion inhibition on biomedical shape memory alloy by plasma-polymerized allylamine film. Materials Letters, 2012, 89, 51-54.	1.3	13
20	Study on preparation and properties of novel reactive phenolic hydroxyl-containing polyimides. Journal of Polymer Research, 2012, 19, 1.	1.2	9
21	Uniform star-shaped polystyrene nanoparticles prepared by emulsion atom transfer radical polymerization. Polymer International, 2011, 60, 1638-1645.	1.6	5