

Junchao Wei

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.

38
papers

1,126
citations

19
h-index

33
g-index

40
ext. papers

1,327
ext. citations

5.3
avg, IF

4.51
L-index

#	Paper	IF	Citations
38	Hydroxyapatite Based Materials for Bone Tissue Engineering: A Brief and Comprehensive Introduction. <i>Crystals</i> , 2021 , 11, 149	2.3	27
37	Combination of Mussel Inspired Method and "Thiol-Michael" Click Reaction for Biocompatible Alginate-Modified Carbon Nanotubes. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
36	Silver Nanoparticles Coated Poly(L-Lactide) Electrospun Membrane for Implant Associated Infections Prevention. <i>Frontiers in Pharmacology</i> , 2020 , 11, 431	5.6	10
35	Surface modification of carbon nanotube with gelatin via mussel inspired method. <i>Materials Science and Engineering C</i> , 2020 , 112, 110887	8.3	7
34	Regulating Voltage Window and Energy Density of Aqueous Asymmetric Supercapacitors by Pinecone-Like Hollow Fe ₂ O ₃ /MnO ₂ Nano-Heterostructure. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1901729	4.6	21
33	Layer-by-layer: A Simple and Effective Way to Construct Antibacterial Surfaces. <i>Current Pharmaceutical Design</i> , 2019 , 25, 105-106	3.3	1
32	L-cysteine modified ZnO: Small change while great progress. <i>Materials Science and Engineering C</i> , 2019 , 103, 109818	8.3	13
31	When Al-Doped Cobalt Sulfide Nanosheets Meet Nickel Nanotube Arrays: A Highly Efficient and Stable Cathode for Asymmetric Supercapacitors. <i>ACS Nano</i> , 2018 , 12, 3030-3041	16.7	148
30	Chiral ZnO nanoparticles for detection of dopamine. <i>Materials Science and Engineering C</i> , 2018 , 93, 739-745	4.5	20
29	Construction of Antibacterial Surface Via Layer-by-Layer Method. <i>Current Pharmaceutical Design</i> , 2018 , 24, 926-935	3.3	5
28	Mussel-Inspired, Biomimetics-Assisted Self-Assembly of Co ₃ O ₄ on Carbon Fibers for Flexible Supercapacitors. <i>ChemElectroChem</i> , 2017 , 4, 2269-2277	4.3	17
27	Construction of Bio-Inspired Composites for Bone Tissue Repair. <i>ACS Symposium Series</i> , 2017 , 153-167	0.4	1
26	A pinecone-inspired hierarchical vertically aligned nanosheet array electrode for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23349-23360	13	30
25	Preparation of silver coated poly(L-lactide) nanofiber membranes via the combination of mussel-inspired approach and layer-by-layer assembly method. <i>Journal of Controlled Release</i> , 2017 , 259, e62	11.7	1
24	Antibacterial zinc oxide hybrid with gelatin coating. <i>Materials Science and Engineering C</i> , 2017 , 81, 321-326	3.3	32
23	Biodegradable Polymer Membranes Applied in Guided Bone/Tissue Regeneration: A Review. <i>Polymers</i> , 2016 , 8,	4.5	136
22	Disulfide-crosslinked poly(L-glutamic acid) grafted mesoporous silica nanoparticles and their potential application in drug delivery. <i>Chemical Research in Chinese Universities</i> , 2015 , 31, 890-894	2.2	3

21	A Facile approach to NiCoO ₂ intimately standing on nitrogen doped graphene sheets by one-step hydrothermal synthesis for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 7121-7131	13	83
20	Electrospun poly(L-lactide) nanofibers loaded with paclitaxel and water-soluble fullerenes for drug delivery and bioimaging. <i>New Journal of Chemistry</i> , 2014 , 38, 6223-6229	3.6	23
19	A novel thermal and pH responsive drug delivery system based on ZnO@PNIPAM hybrid nanoparticles. <i>Materials Science and Engineering C</i> , 2014 , 45, 524-9	8.3	38
18	In vitro characterization of PBLG-g-HA/ PLLA nanocomposite scaffolds. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014 , 29, 841-847	1	5
17	Multiple drug-loaded electrospun PLGA/gelatin composite nanofibers encapsulated with mesoporous ZnO nanospheres for potential postsurgical cancer treatment. <i>RSC Advances</i> , 2014 , 4, 28017-28019	3.7	37
16	Highly sensitive nonenzymatic glucose and H ₂ O ₂ sensor based on Ni(OH) ₂ /electroreduced graphene oxide--multiwalled carbon nanotube film modified glass carbon electrode. <i>Talanta</i> , 2014 , 120, 484-90	6.2	105
15	Osteogenic properties of PBLG-g-HA/PLLA nanocomposites. <i>PLoS ONE</i> , 2014 , 9, e105876	3.7	19
14	Surface modifications of halloysite nanotubes with superparamagnetic Fe ₃ O ₄ nanoparticles and carbonaceous layers for efficient adsorption of dyes in water treatment. <i>Chemical Research in Chinese Universities</i> , 2014 , 30, 971-977	2.2	29
13	Novel method to graft chitosan on the surface of hydroxyapatite nanoparticles via click reaction. <i>Chemical Research in Chinese Universities</i> , 2014 , 30, 1063-1065	2.2	9
12	Electrospinning of poly(L-lactide) nanofibers encapsulated with water-soluble fullerenes for bioimaging application. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 680-5	9.5	44
11	Preparation and characterization of electrospun PLGA/gelatin nanofibers as a drug delivery system by emulsion electrospinning. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013 , 24, 972-85	3.5	51
10	Eu-doped Mg-Al layered double hydroxide as a responsive fluorescent material and its interaction with glutamic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 96, 1005-11	4.1	1
9	Surface modification of hydroxyapatite nanoparticles by poly(L-phenylalanine) via ROP of L-phenylalanine N-carboxyanhydride (Pha-NCA). <i>Applied Surface Science</i> , 2012 , 258, 2850-2855	6.7	24
8	The fluorescence of Mg-Al-Eu ternary layered hydroxides response to tryptophan. <i>Luminescence</i> , 2012 , 27, 223-8	2.5	5
7	Fluorescence and phase transitions of Mg-Al-Eu ternary layered double hydroxides dependence on annealing. <i>Clay Minerals</i> , 2011 , 46, 487-493	1.3	4
6	Fluorescence of Mg-Al-Eu ternary layered double hydroxide sensitivity to phenylalanine. <i>Journal of Fluorescence</i> , 2011 , 21, 1677-82	2.4	13
5	Mechanical and thermal properties of polypeptide modified hydroxyapatite/poly(L-lactide) nanocomposites. <i>Science China Chemistry</i> , 2011 , 54, 431-437	7.9	13
4	Structure and photoluminescence of Mg-Al-Eu ternary hydroxalcite-like layered double hydroxides. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 2222-2226	3.3	51

- 3 The surface modification of hydroxyapatite nanoparticles by the ring opening polymerization of gamma-benzyl-L-glutamate N-carboxyanhydride. *Macromolecular Bioscience*, **2009**, 9, 631-8 5.5 56
- 2 Surface modification of hydroxyapatite nanoparticles with thermal-responsive PNIPAM by ATRP. *Macromolecular Bioscience*, **2009**, 9, 1237-46 5.5 40
- 1 Surface Modification of Hydroxyapatite for Bone Tissue Engineering 61-82