

Junchao Wei

List of Publications by Year in descending order

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39
papers

1,539
citations

331670

21
h-index

315739

38
g-index

40
all docs

40
docs citations

40
times ranked

2546
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradable Polymer Membranes Applied in Guided Bone/Tissue Regeneration: A Review. <i>Polymers</i> , 2016, 8, 115.	4.5	212
2	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.	14.6	185
3	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, 484-490.	5.5	121
4	Hydroxyapatite Based Materials for Bone Tissue Engineering: A Brief and Comprehensive Introduction. <i>Crystals</i> , 2021, 11, 149.	2.2	113
5	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.	10.3	106
6	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, 972-985.	3.5	67
7	The Surface Modification of Hydroxyapatite Nanoparticles by the Ring Opening Polymerization of γ -Benzyl L-glutamate N-carboxyanhydride. <i>Macromolecular Bioscience</i> , 2009, 9, 4.1 631-638.		61
8	Structure and photoluminescence of Mg-Al-Eu ternary hydrotalcite-like layered double hydroxides. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2222-2226.	2.9	57
9	Electrospinning of Poly(L-lactide) Nanofibers Encapsulated with Water-Soluble Fullerenes for Bioimaging Application. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 680-685.	8.0	48
10	A novel thermal and pH responsive drug delivery system based on ZnO@PNIPAM hybrid nanoparticles. <i>Materials Science and Engineering C</i> , 2014, 45, 524-529.	7.3	48
11	Multiple drug-loaded electrospun PLGA/gelatin composite nanofibers encapsulated with mesoporous ZnO nanospheres for potential postsurgical cancer treatment. <i>RSC Advances</i> , 2014, 4, 28011-28019.	3.6	46
12	Antibacterial zinc oxide hybrid with gelatin coating. <i>Materials Science and Engineering C</i> , 2017, 81, 321-326.	7.3	45
13	Surface Modification of Hydroxyapatite Nanoparticles with Thermal-Responsive PNIPAM by ATRP. <i>Macromolecular Bioscience</i> , 2009, 9, 1237-1246.	4.1	42
14	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.	10.3	41
15	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.	2.6	35
16	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.	3.7	35
17	Chiral ZnO nanoparticles for detection of dopamine. <i>Materials Science and Engineering C</i> , 2018, 93, 739-745.	7.3	34
18	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.	2.8	30

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19	Surface modification of hydroxyapatite nanoparticles by poly(L-phenylalanine) via ROP of L-phenylalanine N-carboxyanhydride (Pha-NCA). Applied Surface Science, 2012, 258, 2850-2855.	6.1	26
20	Silver Nanoparticles Coated Poly(L-Lactide) Electrospun Membrane for Implant Associated Infections Prevention. Frontiers in Pharmacology, 2020, 11, 431.	3.5	26
21	Osteogenic Properties of PBLG-g-HA/PLLA Nanocomposites. PLoS ONE, 2014, 9, e105876.	2.5	22
22	L-cysteine modified ZnO: Small change while great progress. Materials Science and Engineering C, 2019, 103, 109818.	7.3	19
23	Mussel-Inspired, Biomimetics-Assisted Self-Assembly of Co ₃ O ₄ on Carbon Fibers for Flexible Supercapacitors. ChemElectroChem, 2017, 4, 2269-2277.	3.4	18
24	Biological applications of chiral inorganic nanomaterials. Chirality, 2022, 34, 760-781.	2.6	17
25	Fluorescence of Mg-Al-Eu Ternary Layered Double Hydroxide Sensitivity to Phenylalanine. Journal of Fluorescence, 2011, 21, 1677-1682.	2.5	15
26	Mechanical and thermal properties of polypeptide modified hydroxyapatite/poly(L-lactide) nanocomposites. Science China Chemistry, 2011, 54, 431-437.	8.2	13
27	Surface modification of carbon nanotube with gelatin via mussel inspired method. Materials Science and Engineering C, 2020, 112, 110887.	7.3	11
28	Construction of Antibacterial Surface Via Layer-by-Layer Method. Current Pharmaceutical Design, 2018, 24, 926-935.	1.9	10
29	Novel method to graft chitosan on the surface of hydroxyapatite nanoparticles via "click" reaction. Chemical Research in Chinese Universities, 2014, 30, 1063-1065.	2.6	9
30	In vitro characterization of PBLG-g-HA/ PLLA nanocomposite scaffolds. Journal Wuhan University of Technology, Materials Science Edition, 2014, 29, 841-847.	1.0	6
31	The fluorescence of Mg-Al-Eu ternary layered hydroxides response to tryptophan. Luminescence, 2012, 27, 223-228.	2.9	5
32	Fluorescence and phase transitions of Mg-Al-Eu ternary layered double hydroxides " dependence on annealing. Clay Minerals, 2011, 46, 487-493.	0.6	4
33	Combination of Mussel Inspired Method and "Thiol-Michael-Click Reaction for Biocompatible Alginate-Modified Carbon Nanotubes. Nanomaterials, 2021, 11, 2191.	4.1	4
34	Disulfide-crosslinked poly(L-glutamic acid) grafted mesoporous silica nanoparticles and their potential application in drug delivery. Chemical Research in Chinese Universities, 2015, 31, 890-894.	2.6	3
35	Eu-doped Mg-Al layered double hydroxide as a responsive fluorescent material and its interaction with glutamic acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 96, 1005-1011.	3.9	2
36	Construction of Bio-Inspired Composites for Bone Tissue Repair. ACS Symposium Series, 2017, , 153-167.	0.5	1

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37	Preparation of silver coated poly(L-lactide) nanofiber membranes via the combination of mussel-inspired approach and layer-by-layer assembly method. Journal of Controlled Release, 2017, 259, e62.	9.9	1
38	Layer-by-layer: A Simple and Effective Way to Construct Antibacterial Surfaces. Current Pharmaceutical Design, 2019, 25, 105-106.	1.9	1
39	Editorial: Advanced Antimicrobial Materials and Interfaces. Current Pharmaceutical Design, 2018, 24, 841-842.	1.9	0