

Jianxin Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3203246/publications.pdf>

Version: 2024-02-01

47
papers

1,387
citations

361413

20
h-index

345221

36
g-index

47
all docs

47
docs citations

47
times ranked

2395
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal regenerative repair of large segmental bone defect in a goat model with osteoinductive calcium phosphate bioceramic implants. <i>Bioactive Materials</i> , 2022, 11, 240-253.	15.6	37
2	Reinforcing the function of bone graft via the Ca-P ceramics dynamic behavior-enhanced osteogenic microenvironment for optimal bone regeneration and reconstruction. <i>Applied Materials Today</i> , 2022, 27, 101465.	4.3	1
3	Piezoelectric Effect of Antibacterial Biomimetic Hydrogel Promotes Osteochondral Defect Repair. <i>Biomedicines</i> , 2022, 10, 1165.	3.2	12
4	Optimal regeneration and repair of critical size articular cartilage driven by endogenous CLECSF1. <i>Biomedical Signal Processing and Control</i> , 2022, 78, 103898.	5.7	0
5	By Endowing Polyglutamic Acid/Polylysine Composite Hydrogel with Super Intrinsic Characteristics to Enhance its Wound Repair Potential. <i>Macromolecular Bioscience</i> , 2021, 21, e2000367.	4.1	12
6	Mixed Modification of the Surface Microstructure and Chemical State of Polyetheretherketone to Improve Its Antimicrobial Activity, Hydrophilicity, Cell Adhesion, and Bone Integration. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 842-851.	5.2	30
7	A distinctive nanocomposite hydrogel integrated platform for the healing of wound after the resection of melanoma. <i>Materialia</i> , 2020, 14, 100931.	2.7	8
8	Joint construction of micro-vibration stimulation and BCP scaffolds for enhanced bioactivity and self-adaptability tissue engineered bone grafts. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4278-4288.	5.8	16
9	Influence of silver speciation on the inflammatory regulation of AgNPs anchoring onto titania nanotubes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111199.	5.0	8
10	<i>In Vitro</i> and <i>In Vivo</i> Antitumor Activity of Silver Nanoparticles on B16 Melanoma. <i>Nano</i> , 2020, 15, 2050163.	1.0	3
11	Improved corrosion resistance and biocompatibility of biodegradable magnesium alloy by coating graphite carbon nitride (g-C ₃ N ₄). <i>Journal of Alloys and Compounds</i> , 2019, 770, 823-830.	5.5	33
12	Surface modification of polyetheretherketone by grafting amino groups to improve its hydrophilicity and cytocompatibility. <i>Materials Research Express</i> , 2019, 6, 115413.	1.6	9
13	Constructing Gene-Enhanced Tissue Engineering for Regeneration and Repair of Osteochondral Defects. <i>Advanced Biology</i> , 2019, 3, 1900004.	3.0	1
14	A strategy using mesoporous polymer nanospheres as nanocarriers of Bcl-2 siRNA towards breast cancer therapy. <i>Journal of Materials Chemistry B</i> , 2019, 7, 477-487.	5.8	14
15	Alginate/chitosan multilayer films coated on IL-4-loaded TiO ₂ nanotubes for modulation of macrophage phenotype. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 495-505.	7.5	17
16	A dynamic-coupling-reaction-based autonomous self-healing hydrogel with ultra-high stretching and adhesion properties. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3044-3052.	5.8	15
17	Alginate/chitosan multilayer films coated on IL-4-loaded TiO ₂ nanotubes for modulation of macrophage phenotype. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 503-513.	7.5	29
18	Macrophage phenotype switch by sequential action of immunomodulatory cytokines from hydrogel layers on titania nanotubes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 163, 336-345.	5.0	61

#	ARTICLE	IF	CITATIONS
19	A single integrated osteochondral in situ composite scaffold with a multi-layered functional structure. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 167, 354-363.	5.0	28
20	Biomimetic Bacterial Cellulose-Enhanced Double-Network Hydrogel with Excellent Mechanical Properties Applied for the Osteochondral Defect Repair. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 3534-3544.	5.2	67
21	Osteoblast behaviors on titania nanotube and mesopore layers. <i>International Journal of Energy Production and Management</i> , 2017, 4, rbw042.	3.7	22
22	Biological responses to M13 bacteriophage modified titanium surfaces in vitro. <i>Acta Biomaterialia</i> , 2017, 58, 527-538.	8.3	15
23	Co-culturing epidermal keratinocytes and dermal fibroblasts on nano-structured titanium surfaces. <i>Materials Science and Engineering C</i> , 2017, 78, 288-295.	7.3	20
24	An injectable supramolecular self-healing bio-hydrogel with high stretchability, extensibility and ductility, and a high swelling ratio. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7021-7034.	5.8	33
25	Identification and binding mechanism of phage displayed peptides with specific affinity to acid-alkali treated titanium. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 307-317.	5.0	8
26	Nano-topographic titanium modulates macrophage response in vitro and in an implant-associated rat infection model. <i>RSC Advances</i> , 2016, 6, 111919-111927.	3.6	15
27	Effect of dexamethasone, β -glycerophosphate, OGP and BMP2 in TiO ₂ nanotubes on differentiation of MSCs. <i>Materials Technology</i> , 2016, 31, 603-612.	3.0	13
28	Heterostructured g-C ₃ N ₄ /Ag/TiO ₂ nanocomposites for enhancing the photoelectric conversion efficiency of spiro-OMeTAD-based solid-state dye-sensitized solar cells. <i>RSC Advances</i> , 2016, 6, 102444-102452.	3.6	25
29	Ectopic osteogenesis and angiogenesis regulated by porous architecture of hydroxyapatite scaffolds with similar interconnecting structure in vivo. <i>International Journal of Energy Production and Management</i> , 2016, 3, 285-297.	3.7	51
30	Hybrid use of combined and sequential delivery of growth factors and ultrasound stimulation in porous multilayer composite scaffolds to promote both vascularization and bone formation in bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 195-208.	4.0	11
31	Self-powered graphene quantum dot/poly(vinylidene fluoride) composites with remarkably enhanced mechanical-to-electrical conversion. <i>RSC Advances</i> , 2016, 6, 67400-67408.	3.6	31
32	Constructing stable NiO/N-doped TiO ₂ nanotubes photocatalyst with enhanced visible-light photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 2571-2578.	2.2	24
33	Camphorsulfonic acid-doped polyaniline/TiO ₂ nanotube hybrids: synthesis strategy and enhanced visible photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 7723-7730.	2.2	7
34	A facile approach for the synthesis of highly luminescent carbon dots using vitamin-based small organic molecules with benzene ring structure as precursors. <i>RSC Advances</i> , 2015, 5, 90245-90254.	3.6	60
35	Graphene and Ag nanowires co-modified photoanodes for high-efficiency dye-sensitized solar cells. <i>Solar Energy</i> , 2015, 122, 966-975.	6.1	17
36	Porous nanoapatite scaffolds synthesized using an approach of interfacial mineralization reaction and their bioactivity. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014, 102, 1749-1761.	3.4	9

#	ARTICLE	IF	CITATIONS
37	Study of bilineage differentiation of human-bone-marrow-derived mesenchymal stem cells in oxidized sodium alginate/N-succinyl chitosan hydrogels and synergistic effects of RGD modification and low-intensity pulsed ultrasound. <i>Acta Biomaterialia</i> , 2014, 10, 2518-2528.	8.3	51
38	Sintering study of ITO using a ZnO-doped and microwave hybrid sintering approach. <i>Journal of Asian Ceramic Societies</i> , 2014, 2, 58-63.	2.3	9
39	Synthesis of an RGD-grafted oxidized sodium alginateâ€N-succinyl chitosan hydrogel and an in vitro study of endothelial and osteogenic differentiation. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4484.	5.8	57
40	Study on phase transformation and controllable synthesis of calcium phosphate using a solâ€gel approach. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 63, 126-134.	2.4	5
41	Hydroxyapatite coating on titanium surface with titania nanotube layer and its bond strength to substrate. <i>Journal of Porous Materials</i> , 2010, 17, 453-458.	2.6	48
42	Ionic liquid-controlled synthesis of ZnO microspheres. <i>Journal of Materials Chemistry</i> , 2010, 20, 9798.	6.7	43
43	Oneâ€step <i>in situ</i> synthesis and characterization of spongeâ€like porous calcium phosphate scaffolds using a solâ€gel and gel casting hybrid process. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 90A, 401-410.	4.0	12
44	Micro/nanostructural porous surface on titanium and bioactivity. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 89B, 335-341.	3.4	53
45	Decyl bis phosphonateâ€protein surface modification of Tiâ€6Alâ€4V via a layer-by-layer technique. <i>Journal of Materials Science</i> , 2009, 44, 4031-4039.	3.7	17
46	Hydrogen Bonding Interaction of Poly(d,l-Lactide)/hydroxyapatite Nanocomposites. <i>Chemistry of Materials</i> , 2007, 19, 247-253.	6.7	237
47	Biological evaluation of biphasic calcium phosphate ceramic vertebral laminae. <i>Biomaterials</i> , 1998, 19, 1387-1392.	11.4	93