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List of Publications by Year
in descending order

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Version: 2024-02-01

58 papers	2,863 citations	186265 28 h-index	175258 52 g-index
58 all docs	58 docs citations	58 times ranked	2787 citing authors

#	Article	IF	Citations
1	Gallium (Ga)â€“strontium (Sr) layered double hydroxide composite coating on titanium substrates for enhanced osteogenic and antibacterial abilities. Journal of Biomedical Materials Research - Part A, 2022, 110, 273-286.	4.0	18
2	Magnesium/gallium-layered nanosheets on titanium implants mediate osteogenic differentiation of MSCs and osseointegration under osteoporotic condition. Chemical Engineering Journal, 2022, 427, 130982.	12.7	31
3	Fabrication of copper ions-substituted hydroxyapatite coating on titanium substrates for antibacterial and osteogenic applications. Materials Letters, 2022, 307, 131072.	2.6	8
4	Fabrication of gelatin-based and Zn2+-incorporated composite hydrogel for accelerated infected wound healing. Materials Today Bio, 2022, 13, 100216.	5.5	35
5	A pH-responsive hyaluronic acid hydrogel for regulating the inflammation and remodeling of the ECM in diabetic wounds. Journal of Materials Chemistry B, 2022, 10, 2875-2888.	5.8	21
6	Surface modification of titanium substrate via combining photothermal therapy and quorum-sensing-inhibition strategy for improving osseointegration and treating biofilm-associated bacterial infection. Bioactive Materials, 2022, 18, 228-241.	15.6	41
7	Effects of a novel selfâ€assembling peptide scaffold on bone regeneration and controlled release of two growth factors. Journal of Biomedical Materials Research - Part A, 2022, 110, 943-953.	4.0	9
8	Anti-washout tricalcium silicate cements modified by konjac glucomannan/calcium formate complex for endodontic applications. Ceramics International, 2022, 48, 24298-24309.	4.8	3
9	Multifunctional silicon calcium phosphate composite scaffolds promote stem cell recruitment and bone regeneration. Journal of Materials Chemistry B, 2022, 10, 5218-5230.	5.8	2
10	ROS-responsive hydrogel coating modified titanium promotes vascularization and osteointegration of bone defects by orchestrating immunomodulation. Biomaterials, 2022, 287, 121683.	11.4	28
11	Near infrared light-triggered on-demand Cur release from Gel-PDA@Cur composite hydrogel for antibacterial wound healing. Chemical Engineering Journal, 2021, 403, 126182.	12.7	142
12	Enhanced biocompatibility and osteogenic differentiation of mesenchymal stem cells of titanium by Srâ€“Ga clavate double hydroxides. Journal of Materials Chemistry B, 2021, 9, 6029-6036.	5.8	3
13	Nearâ€Infrared Lightâ€Activatable Dualâ€Action Nanoparticle Combats the Established Biofilms of Methicillinâ€Resistant Staphylococcus aureus and Its Accompanying Inflammation. Small, 2021, 17, e2007522.	10.0	76
14	Fabrication of copper ions-substituted hydroxyapatite/polydopamine nanocomposites with high antibacterial and angiogenesis effects for promoting infected wound healing. Journal of Industrial and Engineering Chemistry, 2021, 104, 345-355.	5.8	31
15	Near-infrared light triggered multi-mode synergetic therapy for improving antibacterial and osteogenic activity of titanium implants. Applied Materials Today, 2021, 24, 101155.	4.3	9
16	Injectable biomimetic hydrogels encapsulating Gold/metalâ€“organic frameworks nanocomposites for enhanced antibacterial and wound healing activity under visible light actuation. Chemical Engineering Journal, 2021, 420, 129668.	12.7	64
17	A multifunctional hydrogel coating to direct fibroblast activation and infected wound healing via simultaneously controllable photobiomodulation and photodynamic therapies. Biomaterials, 2021, 278, 121164.	11.4	45
18	Osteoimmunomodulation mediating improved osteointegration by OGP-loaded cobalt-metal organic framework on titanium implants with antibacterial property. Chemical Engineering Journal, 2021, 423, 130176.	12.7	42

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19	Enzymatically-degradable hydrogel coatings on titanium for bacterial infection inhibition and enhanced soft tissue compatibility via a self-adaptive strategy. Bioactive Materials, 2021, 6, 4670-4685.	15.6	12
20	Calcium Peroxide Nanoparticlesâ€Embedded Coatings on Antiâ€Inflammatory TiO₂ Nanotubes for Bacteria Elimination and Inflammatory Environment Amelioration. Small, 2021, 17, e2102907.	10.0	33
21	Musculotendinous Junction Injuries of the Proximal Biceps Femoris: Letter to the Editor. American Journal of Sports Medicine, 2021, 49, NP1-NP1.	4.2	0
22	Self-renewal or quiescence? Orchestrating the fate of mesenchymal stem cells by matrix viscoelasticity via PI3K/Akt-CDK1 pathway. Biomaterials, 2021, 279, 121235.	11.4	8
23	Substance P-embedded multilayer on titanium substrates promotes local osseointegration via MSC recruitment. Journal of Materials Chemistry B, 2020, 8, 1212-1222.	5.8	14
24	A dynamic matrix potentiates mesenchymal stromal cell paracrine function via an effective mechanical dose. Biomaterials Science, 2020, 8, 4779-4791.	5.4	18
25	A facile and novel design of multifunctional electronic skin based on polydimethylsiloxane with micropillars for signal monitoring. Journal of Materials Chemistry B, 2020, 8, 8315-8322.	5.8	17
26	Engineering of Cascade-Responsive Nanoplatform to Inhibit Lactate Efflux for Enhanced Tumor Chemo-Immunotherapy. ACS Nano, 2020, 14, 14164-14180.	14.6	88
27	Osteogenesis regulation of mesenchymal stem cellsviaautophagy induced by silicaâ€“titanium composite surfaces with different mechanical moduli. Journal of Materials Chemistry B, 2020, 8, 9314-9324.	5.8	14
28	Functionalization of Ti substrate with <scp>pH</scp>â€responsive <scp>naringinâ€ZnO</scp> nanoparticles for the reconstruction of large bony after osteosarcoma resection. Journal of Biomedical Materials Research - Part A, 2020, 108, 2190-2205.	4.0	24
29	Improved osteointegration by SEW2871-encapsulated multilayers on micro-structured titanium via macrophages recruitment and immunomodulation. Applied Materials Today, 2020, 20, 100673.	4.3	7
30	Surface modification of titanium implants by ZIF-8@Levo/LBL coating for inhibition of bacterial-associated infection and enhancement of in vivo osseointegration. Chemical Engineering Journal, 2020, 390, 124621.	12.7	116
31	Ultra-Small Lysozyme-Protected Gold Nanoclusters as Nanomedicines Inducing Osteogenic Differentiation . International Journal of Nanomedicine, 2020, Volume 15, 4705-4716.	6.7	11
32	Fabrication of chitosan-graft-polyaniline-based multilayers on Ti substrates for enhancing antibacterial property and improving osteogenic activity. Materials Letters, 2020, 268, 127420.	2.6	10
33	Near-Infrared Light-Triggered Nitric-Oxide-Enhanced Photodynamic Therapy and Low-Temperature Photothermal Therapy for Biofilm Elimination. ACS Nano, 2020, 14, 3546-3562.	14.6	411
34	Two novel drugs as bio-functional inhibitors for copper performing excellent anticorrosion and antibacterial properties. Colloids and Surfaces B: Biointerfaces, 2020, 190, 110898.	5.0	15
35	A dual-functional implant with an enzyme-responsive effect for bacterial infection therapy and tissue regeneration. Biomaterials Science, 2020, 8, 1840-1854.	5.4	59
36	Development of coinage metal nanoclusters as antimicrobials to combat bacterial infections. Journal of Materials Chemistry B, 2020, 8, 9466-9480.	5.8	17

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37	Remote eradication of biofilm on titanium implant via near-infrared light triggered photothermal/photodynamic therapy strategy. Biomaterials, 2019, 223, 119479.	11.4	185
38	Fast-setting and anti-washout tricalcium silicate/disodium hydrogen phosphate composite cement for dental application. Ceramics International, 2019, 45, 24182-24192.	4.8	26
39	Functionalization of titanium substrate with multifunctional peptide OGP-NAC for the regulation of osteoimmunology. Biomaterials Science, 2019, 7, 1463-1476.	5.4	29
40	Biocompatible MoS2/PDA-RGD coating on titanium implant with antibacterial property via intrinsic ROS-independent oxidative stress and NIR irradiation. Biomaterials, 2019, 217, 119290.	11.4	169
41	Matrix promote mesenchymal stromal cell migration with improved deformation via nuclear stiffness decrease. Biomaterials, 2019, 217, 119300.	11.4	29
42	Znâ€incorporation with graphene oxide on Ti substrates surface to improve osteogenic activity and inhibit bacterial adhesion. Journal of Biomedical Materials Research - Part A, 2019, 107, 2310-2326.	4.0	32
43	Fabrication of magnesium/zinc-metal organic framework on titanium implants to inhibit bacterial infection and promote bone regeneration. Biomaterials, 2019, 212, 1-16.	11.4	212
44	Copper-nanoparticle-embedded hydrogel for killing bacteria and promoting wound healing with photothermal therapy. Journal of Materials Chemistry B, 2019, 7, 2534-2548.	5.8	180
45	BMP2-loaded titania nanotubes coating with pH-responsive multilayers for bacterial infections inhibition and osteogenic activity improvement. Colloids and Surfaces B: Biointerfaces, 2019, 177, 242-252.	5.0	74
46	The nanoparticle-facilitated autophagy inhibition of cancer stem cells for improved chemotherapeutic effects on glioblastomas. Journal of Materials Chemistry B, 2019, 7, 2054-2062.	5.8	30
47	Differentiation regulation of mesenchymal stem cells via autophagy induced by structurally-different silica based nanobiomaterials. Journal of Materials Chemistry B, 2019, 7, 2657-2666.	5.8	16
48	Regulation of MSC and macrophage functions in bone healing by peptide LL-37-loaded silk fibroin nanoparticles on a titanium surface. Biomaterials Science, 2019, 7, 5492-5505.	5.4	25
49	Multilayered coating of titanium implants promotes coupled osteogenesis and angiogenesis in vitro and in vivo. Acta Biomaterialia, 2018, 74, 489-504.	8.3	62
50	Investigation of osteogenic responses of Fe-incorporated micro/nano-hierarchical structures on titanium surfaces. Journal of Materials Chemistry B, 2018, 6, 1359-1372.	5.8	31
51	An autonomous tumor-targeted nanoprodrug for reactive oxygen species-activatable dual-cytochrome c/doxorubicin antitumor therapy. Nanoscale, 2018, 10, 11418-11429.	5.6	43
52	Deferoxamine loaded titania nanotubes substrates regulate osteogenic and angiogenic differentiation of MSCs via activation of HIF-1Î± signaling. Materials Science and Engineering C, 2018, 91, 44-54.	7.3	36
53	Surface engineering of titanium implants with enzyme-triggered antibacterial properties and enhanced osseointegrationin vivo. Journal of Materials Chemistry B, 2018, 6, 8090-8104.	5.8	52
54	Peptide LL-37 coating on micro-structured titanium implants to facilitate bone formation in vivo via mesenchymal stem cell recruitment. Acta Biomaterialia, 2018, 80, 412-424.	8.3	60

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55	Preparing and immobilizing antimicrobial osteogenic growth peptide on titanium substrate surface. Journal of Biomedical Materials Research - Part A, 2018, 106, 3021-3033.	4.0	10
56	N-halamine-based multilayers on titanium substrates for antibacterial application. Colloids and Surfaces B: Biointerfaces, 2018, 170, 382-392.	5.0	16
57	Polydopamine-Assisted Hydroxyapatite and Lactoferrin Multilayer on Titanium for Regulating Bone Balance and Enhancing Antibacterial Property. ACS Biomaterials Science and Engineering, 2018, 4, 3211-3223.	5.2	23
58	The fabrication and in vitro properties of antibacterial polydopamine-LL-37-POPC coatings on micro-arc oxidized titanium. Colloids and Surfaces B: Biointerfaces, 2018, 170, 54-63.	5.0	41