

Xuliang Deng

List of Publications by Year in descending order

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81
papers

3,094
citations

147801

31
h-index

168389

53
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85
all docs

85
docs citations

85
times ranked

4293
citing authors

#	ARTICLE	IF	CITATIONS
1	Matrix stiffness modulates tip cell formation through the p-PXN-Rac1-YAP signaling axis. <i>Bioactive Materials</i> , 2022, 7, 364-376.	15.6	25
2	Chirality Bias Tissue Homeostasis by Manipulating Immunological Response. <i>Advanced Materials</i> , 2022, 34, e2105136.	21.0	22
3	Oxygen Ion Implantation Improving Cell Adhesion on Titanium Surfaces through Increased Attraction of Fibronectin PHSRN Domain. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101983.	7.6	7
4	Multiscale engineered artificial tooth enamel. <i>Science</i> , 2022, 375, 551-556.	12.6	138
5	Biomimetic hierarchical implant surfaces promote early osseointegration in osteoporotic rats by suppressing macrophage activation and osteoclastogenesis. <i>Journal of Materials Chemistry B</i> , 2022, 10, 1875-1885.	5.8	5
6	TBK1-METTL3 axis facilitates antiviral immunity. <i>Cell Reports</i> , 2022, 38, 110373.	6.4	24
7	Extrapolating neurogenesis of mesenchymal stem/stromal cells on electroactive and electroconductive scaffolds to dental and oral-derived stem cells. <i>International Journal of Oral Science</i> , 2022, 14, 13.	8.6	4
8	<i>Streptococcus mutans</i> cell division protein FtsZ has higher GTPase and polymerization activities in acidic environment. <i>Molecular Oral Microbiology</i> , 2022, 37, 97-108.	2.7	1
9	A Gradient pH-Sensitive Polymer-Based Antiviral Strategy via Viroporin-Induced Membrane Acidification. <i>Advanced Materials</i> , 2022, 34, e2109580.	21.0	3
10	The innovation of biomaterials: From bioactive to bioelectroactive. <i>Science China Materials</i> , 2022, 65, 1723-1726.	6.3	4
11	A Gradient pH-Sensitive Polymer-Based Antiviral Strategy via Viroporin-Induced Membrane Acidification (<i>Adv. Mater.</i> 18/2022). <i>Advanced Materials</i> , 2022, 34, .	21.0	1
12	Graphene oxide bulk material reinforced by heterophase platelets with multiscale interface crosslinking. <i>Nature Materials</i> , 2022, 21, 1121-1129.	27.5	66
13	Self-Activated Cascade Biocatalysis of Glucose Oxidase-Polycation-Iron Nanoconjugates Augments Cancer Immunotherapy. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32823-32835.	8.0	7
14	Remote Tuning of Built-In Magnetoelectric Microenvironment to Promote Bone Regeneration by Modulating Cellular Exposure to Arginylglycylaspartic Acid Peptide. <i>Advanced Functional Materials</i> , 2021, 31, 2006226.	14.9	33
15	An overview of signaling pathways regulating YAP/TAZ activity. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 497-512.	5.4	59
16	Ultra-Sensitive and Selective Electrochemical Bio-Fluid Biopsy for Oral Cancer Screening. <i>Small Methods</i> , 2021, 5, e2001205.	8.6	4
17	The Dynamic Counterbalance of RAC1-YAP/OB-Cadherin Coordinates Tissue Spreading with Stem Cell Fate Patterning. <i>Advanced Science</i> , 2021, 8, 2004000.	11.2	7
18	HtrA3-Mediated Endothelial Cell-Extracellular Matrix Crosstalk Regulates Tip Cell Specification. <i>Advanced Functional Materials</i> , 2021, 31, 2100633.	14.9	2

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19	Inside Front Cover: Ultra-sensitive and Selective Electrochemical Biofluid Biopsy for Oral Cancer Screening (Small Methods 5/2021). <i>Small Methods</i> , 2021, 5, 2170018.	8.6	0
20	A Review of External Cervical Resorption. <i>Journal of Endodontics</i> , 2021, 47, 883-894.	3.1	13
21	Restoration of electrical microenvironment enhances bone regeneration under diabetic conditions by modulating macrophage polarization. <i>Bioactive Materials</i> , 2021, 6, 2029-2038.	15.6	72
22	Size-confined Effects of Nanostructures on Fibronectin-induced Macrophage Inflammation on Titanium Implants. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100994.	7.6	17
23	Age and gender differences in ACE2 and TMPRSS2 expressions in oral epithelial cells. <i>Journal of Translational Medicine</i> , 2021, 19, 358.	4.4	22
24	An Amorphous Peri-implant Ligament with Combined Osteointegration and Energy Dissipation. <i>Advanced Materials</i> , 2021, 33, e2103727.	21.0	18
25	MapZ deficiency leads to defects in the envelope structure and changes stress tolerance of <i>Streptococcus mutans</i> . <i>Molecular Oral Microbiology</i> , 2021, 36, 295-307.	2.7	1
26	Three-dimensional radiographic and histological tracking of rat mandibular defect repair after inferior alveolar nerve axotomy. <i>Archives of Oral Biology</i> , 2021, 131, 105252.	1.8	2
27	Mutation in μ -Sarcoglycan Induces a Myoclonus-Dystonia Syndrome-Like Movement Disorder in Mice. <i>Neuroscience Bulletin</i> , 2021, 37, 311-322.	2.9	8
28	Cell Membrane Vesicles with Enriched CXCR4 Display Enhances Their Targeted Delivery as Drug Carriers to Inflammatory Sites. <i>Advanced Science</i> , 2021, 8, e2101562.	11.2	17
29	The miR-193a-3p-MAP3k3 Signaling Axis Regulates Substrate Topography-induced Osteogenesis of Bone Marrow Stem Cells. <i>Advanced Science</i> , 2020, 7, 1901412.	11.2	17
30	Detection of SARS-CoV-2 in saliva and characterization of oral symptoms in COVID-19 patients. <i>Cell Proliferation</i> , 2020, 53, e12923.	5.3	168
31	Electromagnetic interference effect of dental equipment on cardiac implantable electrical devices: A systematic review. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2020, 43, 1588-1598.	1.2	4
32	Role of YAP/TAZ in Cell Lineage Fate Determination and Related Signaling Pathways. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 735.	3.7	71
33	Mimicking the electrophysiological microenvironment of bone tissue using electroactive materials to promote its regeneration. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10221-10256.	5.8	53
34	Depletion of the diabetic gut microbiota resistance enhances stem cells therapy in type 1 diabetes mellitus. <i>Theranostics</i> , 2020, 10, 6500-6516.	10.0	37
35	Controlling Enamel Remineralization by Amyloid-like Amelogenin Mimics. <i>Advanced Materials</i> , 2020, 32, e2002080.	21.0	66
36	Mitochondria transfer enhances proliferation, migration, and osteogenic differentiation of bone marrow mesenchymal stem cell and promotes bone defect healing. <i>Stem Cell Research and Therapy</i> , 2020, 11, 245.	5.5	55

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37	Enamel Repair with Amorphous Ceramics. <i>Advanced Materials</i> , 2020, 32, e1907067.	21.0	30
38	<p>Biomimetic piezoelectric nanocomposite membranes synergistically enhance osteogenesis of deproteinized bovine bone grafts</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 3015-3026.	6.7	43
39	Chirality Controls Mesenchymal Stem Cell Lineage Diversification through Mechanoresponses. <i>Advanced Materials</i> , 2019, 31, e1900582.	21.0	73
40	Characterization of the salivary microbiome in people with obesity. <i>PeerJ</i> , 2018, 6, e4458.	2.0	75
41	Oriented and Ordered Biomimetic Remineralization of the Surface of Demineralized Dental Enamel Using HAP@ACP Nanoparticles Guided by Glycine. <i>Scientific Reports</i> , 2017, 7, 40701.	3.3	64
42	Mechanical properties of polymer-infiltrated-ceramic (sodium aluminum silicate) composites for dental restoration. <i>Journal of Dentistry</i> , 2017, 62, 91-97.	4.1	24
43	Directing Stem Cell Differentiation <i>via</i> Electrochemical Reversible Switching between Nanotubes and Nanotips of Polypyrrole Array. <i>ACS Nano</i> , 2017, 11, 5915-5924.	14.6	89
44	Builtâ€n Electric Fields Dramatically Induce Enhancement of Osseointegration. <i>Advanced Functional Materials</i> , 2017, 27, 1703771.	14.9	73
45	Rapid biomimetic remineralization of the demineralized enamel surface using nano-particles of amorphous calcium phosphate guided by chimaeric peptides. <i>Dental Materials</i> , 2017, 33, 1217-1228.	3.5	57
46	Cellular Uptake and Delivery-Dependent Effects of Tb3+-Doped Hydroxyapatite Nanorods. <i>Molecules</i> , 2017, 22, 1043.	3.8	12
47	Biomedical Applications of Dental and Oral-Derived Stem Cells. <i>Stem Cells International</i> , 2017, 2017, 1-2.	2.5	1
48	Enhanced Stem Cell Osteogenic Differentiation by Bioactive Glass Functionalized Graphene Oxide Substrates. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-11.	2.7	10
49	In Vitro Cell Proliferation and Mechanical Behaviors Observed in Porous Zirconia Ceramics. <i>Materials</i> , 2016, 9, 218.	2.9	9
50	The Effects of Spark-Plasma Sintering (SPS) on the Microstructure and Mechanical Properties of BaTiO3/3Y-TZP Composites. <i>Materials</i> , 2016, 9, 320.	2.9	7
51	Nanocomposite Membranes Enhance Bone Regeneration Through Restoring Physiological Electric Microenvironment. <i>ACS Nano</i> , 2016, 10, 7279-7286.	14.6	208
52	<i>In situ</i> fabrication of paclitaxelâ€loaded coreâ€crosslinked micelles via thiolâ€ene â€clickâ€chemistry for reductionâ€responsive drug release. <i>Journal of Polymer Science Part A</i> , 2016, 54, 99-107.	2.3	26
53	Synergistic effects of elastic modulus and surface topology of Ti-based implants on early osseointegration. <i>RSC Advances</i> , 2016, 6, 43685-43696.	3.6	20
54	Selenium nanoparticles incorporated into titania nanotubes inhibit bacterial growth and macrophage proliferation. <i>Nanoscale</i> , 2016, 8, 15783-15794.	5.6	65

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55	Flexible fiber-reinforced composites with improved interfacial adhesion by mussel-inspired polydopamine and poly(methyl methacrylate) coating. <i>Materials Science and Engineering C</i> , 2016, 58, 742-749.	7.3	46
56	Improved performance of Bis-GMA/TEGDMA dental composites by net-like structures formed from SiO ₂ nanofiber fillers. <i>Materials Science and Engineering C</i> , 2016, 59, 464-470.	7.3	56
57	Remineralizing Efficacy of Fluorohydroxyapatite Gel on Artificial Dentinal Caries Lesion. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-9.	2.7	3
58	Electrospun Gelatin/ β -TCP Composite Nanofibers Enhance Osteogenic Differentiation of BMSCs and <i>In Vivo</i> Bone Formation by Activating Ca ²⁺ -Sensing Receptor Signaling. <i>Stem Cells International</i> , 2015, 2015, 1-13.	2.5	37
59	Enhanced Critical Size Defect Repair in Rabbit Mandible by Electrospun Gelatin/ β -TCP Composite Nanofibrous Membranes. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-9.	2.7	11
60	Attenuating Immune Response of Macrophage by Enhancing Hydrophilicity of Ti Surface. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-8.	2.7	24
61	Investigations into the Biocompatibility of Nanohydroxyapatite Coated Magnetic Nanoparticles under Magnetic Situation. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-10.	2.7	3
62	Osteogenic differentiation of MC3T3-E1 cells on poly(L-lactide)/Fe ₃ O ₄ nanofibers with static magnetic field exposure. <i>Materials Science and Engineering C</i> , 2015, 55, 166-173.	7.3	51
63	Enhanced Osteogenic Behavior of ADSCs Produced by Deproteinized Antler Cancellous Bone and Evidence for Involvement of ERK Signaling Pathway. <i>Tissue Engineering - Part A</i> , 2015, 21, 1810-1821.	3.1	18
64	Biomimetic Remineralization of Demineralized Dentine Using Scaffold of CMC/ACP Nanocomplexes in an <i>In Vitro</i> Tooth Model of Deep Caries. <i>PLoS ONE</i> , 2015, 10, e0116553.	2.5	88
65	Synthesis of iodine-containing cyclophosphazenes for using as radiopacifiers in dental composite resin. <i>Materials Science and Engineering C</i> , 2014, 43, 432-438.	7.3	14
66	Guided bone regeneration with tripolyphosphate cross-linked asymmetric chitosan membrane. <i>Journal of Dentistry</i> , 2014, 42, 1603-1612.	4.1	61
67	Lower Extent but Similar Rhythm of Osteogenic Behavior in hBMSCs Cultured on Nanofibrous Scaffolds versus Induced with Osteogenic Supplement. <i>ACS Nano</i> , 2013, 7, 6928-6938.	14.6	68
68	Effects of compatibility of deproteinized antler cancellous bone with various bioactive factors on their osteogenic potential. <i>Biomaterials</i> , 2013, 34, 9103-9114.	11.4	53
69	Restoration of Critical-Sized Defects in the Rabbit Mandible Using Autologous Bone Marrow Stromal Cells Hybridized with Nano- β -tricalcium Phosphate/Collagen Scaffolds. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-8.	2.7	7
70	Dose-dependent enhancement of bone marrow stromal cells adhesion, spreading and osteogenic differentiation on atmospheric plasma-treated poly(L-lactic acid) nanofibers. <i>Journal of Bioactive and Compatible Polymers</i> , 2013, 28, 453-467.	2.1	11
71	Influence of La Doping on Magnetic and Optical Properties of Bismuth Ferrite Nanofibers. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-5.	2.7	20
72	The Effects of Lactidyl/Glycolidyl Ratio and Molecular Weight of Poly(D,L-Lactide-co-Glycolide) on the Tetracycline Entrapment and Release Kinetics of Drug-Loaded Nanofibers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 1005-1019.	3.5	21

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73	Effects of Anhydroicaritin and 2-Hydroxy-3-en-Anhydroicaritin on the Proliferation and Differentiation of MC3T3-E1 Osteoblasts. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200701.	0.5	1
74	Calcium ion release and osteoblastic behavior of gelatin/beta-tricalcium phosphate composite nanofibers fabricated by electrospinning. <i>Materials Letters</i> , 2012, 73, 172-175.	2.6	27
75	Preparation of CePO4-coated zirconia ceramics and their mechanical behavior. <i>Rare Metals</i> , 2011, 30, 282-286.	7.1	3
76	Structure and wettability relationship of coelectrospun poly (L-lactic acid)/gelatin composite fibrous mats. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2222-2230.	3.2	26
77	The effect of poly (L-lactic acid) nanofiber orientation on osteogenic responses of human osteoblast-like MG63 cells. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011, 4, 600-609.	3.1	86
78	The biological properties of carbon nanofibers decorated with β -tricalcium phosphate nanoparticles. <i>Carbon</i> , 2010, 48, 2266-2272.	10.3	27
79	Microfibrous β -TCP/collagen scaffolds mimic woven bone in structure and composition. <i>Biomedical Materials (Bristol)</i> , 2010, 5, 065005.	3.3	16
80	Gelatin nanofibrous membrane fabricated by electrospinning of aqueous gelatin solution for guided tissue regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 90A, 671-679.	4.0	187
81	Poly-L-lactic acid/hydroxyapatite hybrid membrane for bone tissue regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 82A, 445-454.	4.0	189