Yunqing Kang

List of Publications by Year
in descending order

73 papers	3,582 citations	126708 33 h-index	138251 58 g-index
74 all docs	74 docs citations	74 times ranked	5862 citing authors

#	Article	IF	Citations
1	Development of a Decellularized Porcine Esophageal Matrix for Potential Applications in Cancer Modeling. Cells, 2021, 10, 1055.	1.8	7
2	Effects of Macro-/Micro-Channels on Vascularization and Immune Response of Tissue Engineering Scaffolds. Cells, 2021, 10, 1514.	1.8	11
3	Development of MnO2 hollow nanoparticles for potential drug delivery applications. Nanotechnology, 2021, 32, 025713.	1.3	20
4	Multiple channels with interconnected pores in a bioceramic scaffold promote bone tissue formation. Scientific Reports, 2021, 11, 20447.	1.6	10
5	Immobilization of FGF on Poly(xylitol dodecanedioic Acid) Polymer for Tissue Regeneration. Scientific Reports, 2020, 10, 10419.	1.6	12
6	Cell Biological Techniques and Cell-Biomaterial Interactions. Cells, 2020, 9, 2094.	1.8	3
7	The effects of tubular structure on biomaterial aided bone regeneration in distraction osteogenesis. Journal of Orthopaedic Translation, 2020, 25, 80-86.	1.9	5
8	Development of a decellularized porcine bone matrix for potential applications in bone tissue regeneration. Regenerative Medicine, 2020, 15, 1519-1534.	0.8	13
9	A Review of Self-Expanding Esophageal Stents for the Palliation Therapy of Inoperable Esophageal Malignancies. BioMed Research International, 2019, 2019, 1-11.	0.9	31
10	A Highly Elastic and Autofluorescent Poly(xylitol-dodecanedioic Acid) for Tissue Engineering. ACS Biomaterials Science and Engineering, 2019, 5, 1257-1267.	2.6	26
11	Engineering Porous Î²-Tricalcium Phosphate (Î²-TCP) Scaffolds with Multiple Channels to Promote Cell Migration, Proliferation, and Angiogenesis. ACS Applied Materials & Interfaces, 2019, 11, 9223-9232.	4.0	54
12	3D-printed flexible polymer stents for potential applications in inoperable esophageal malignancies. Acta Biomaterialia, 2019, 83, 119-129.	4.1	60
13	Effect of Brain-Derived Neurotrophic Factor on the Neurogenesis and Osteogenesis in Bone Engineering. Tissue Engineering - Part A, 2018, 24, 1283-1292.	1.6	49
14	Circulating tumor cell isolation, culture, and downstream molecular analysis. Biotechnology Advances, 2018, 36, 1063-1078.	6.0	173
15	Injectable thermosensitive alginate/Î²â€tricalcium phosphate/aspirin hydrogels for bone augmentation. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 1739-1751.	1.6	21
16	Channels in a porous scaffold: a new player for vascularization. Regenerative Medicine, 2018, 13, 705-715.	0.8	48
17	Engineering biomimetic periosteum with Î²-TCP scaffolds to promote bone formation in calvarial defects of rats. Stem Cell Research and Therapy, 2017, 8, 134.	2.4	37
18	Endothelial pattern formation in hybrid constructs of additive manufactured porous rigid scaffolds and cell-laden hydrogels for orthopedic applications. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 65, 356-372.	1.5	27

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19	2D Transient Viscoplastic Model for Dislocation Generation of SiC by PVT Method. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 135-139.	0.3	0
20	Channeled Î²â€TCP Scaffolds Promoted Vascularization and Bone Augmentation in Mandible of Beagle Dogs. Advanced Functional Materials, 2016, 26, 6719-6727.	7.8	50
21	The application of cell sheet engineering in the vascularization of tissue regeneration. Regenerative Medicine, 2016, 11, 559-570.	0.8	67
22	Geometrical versus Random Î²-TCP Scaffolds: Exploring the Effects on Schwann Cell Growth and Behavior. PLoS ONE, 2015, 10, e0139820.	1.1	16
23	Graded Porous Î²-Tricalcium Phosphate Scaffolds Enhance Bone Regeneration in Mandible Augmentation. Journal of Craniofacial Surgery, 2015, 26, e148-e153.	0.3	26
24	Development and evaluation of elastomeric hollow fiber membranes as small diameter vascular graft substitutes. Materials Science and Engineering C, 2015, 49, 541-548.	3.8	22
25	Engineering a vascularized collagen-Î²-tricalcium phosphate graft using an electrochemical approach. Acta Biomaterialia, 2015, 11, 449-458.	4.1	48
26	Biodegradable photocrosslinkable poly(depsipeptideâ€coâÈ¡uâ€caprolactone) for tissue engineering: Synthesis, characterization, and In vitro evaluation. Journal of Polymer Science Part A, 2014, 52, 3307-3315.	2.5	33
27	In vitro evaluation of photoâ€crosslinkable chitosanâ€lactide hydrogels for bone tissue engineering. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2014, 102, 1393-1406.	1.6	36
28	Engineering Vascularized Bone Grafts by Integrating a Biomimetic Periosteum and Î²-TCP Scaffold. ACS Applied Materials & Interfaces, 2014, 6, 9622-9633.	4.0	101
29	Fabrication, vascularization and osteogenic properties of a novel synthetic biomimetic induced membrane for the treatment of large bone defects. Bone, 2014, 64, 173-182.	1.4	52
30	Modeling vascularized bone regeneration within a porous biodegradable CaP scaffold loaded with growth factors. Biomaterials, 2013, 34, 4971-4981.	5.7	84
31	Osteogenic and angiogenic potentials of monocultured and co-cultured human-bone-marrow-derived mesenchymal stem cells and human-umbilical-vein endothelial cells on three-dimensional porous beta-tricalcium phosphate scaffold. Acta Biomaterialia, 2013, 9, 4906-4915.	4.1	129
32	Synthesis and characterization of novel elastomeric poly(D,L-lactide urethane) maleate composites for bone tissue engineering. European Polymer Journal, 2013, 49, 3337-3349.	2.6	20
33	The osteogenic differentiation of human bone marrow MSCs on HUVEC-derived ECM and Î²-TCP scaffold. Biomaterials, 2012, 33, 6998-7007.	5.7	119
34	Vascularized Bone Tissue Engineering: Approaches for Potential Improvement. Tissue Engineering - Part B: Reviews, 2012, 18, 363-382.	2.5	259
35	Sequential delivery of BMP-2 and IGF-1 using a chitosan gel with gelatin microspheres enhances early osteoblastic differentiation. Acta Biomaterialia, 2012, 8, 1768-1777.	4.1	164
36	Enhanced mechanical performance and biological evaluation of a PLGA coated Î²-TCP composite scaffold for load-bearing applications. European Polymer Journal, 2011, 47, 1569-1577.	2.6	106

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37	Synthesis and characterization of vanadium carbide nanoparticles by thermal refluxing-derived precursors. Journal of Materials Science, 2011, 46, 3693-3697.	1.7	15
38	Preparation of titanium nitride nanoparticles from a novel refluxing derived precursor. Journal Wuhan University of Technology, Materials Science Edition, 2011, 26, 429-433.	0.4	8
39	In vitro evaluation of an injectable chitosan gel for sustained local delivery of BMPâ€2 for osteoblastic differentiation. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 99B, 380-390.	1.6	43
40	Creation of bony microenvironment with CaP and cell-derived ECM to enhance human bone-marrow MSC behavior and delivery of BMP-2. Biomaterials, 2011, 32, 6119-6130.	5.7	101
41	Bioceramics in Tissue Engineering. , 2011, , 179-207.		14
42	Preparation and properties of the green-emitting phosphors NaCa0.98â^'xMgxPO4:. Current Applied Physics, 2010, 10, 1216-1220.	1.1	19
43	Structure, morphology and fibroblasts adhesion of surface-porous titanium via anodic oxidation. Journal of Materials Science: Materials in Medicine, 2010, 21, 259-266.	1.7	29
44	Effect of MgO contents on the mechanical properties and biological performances of bioceramics in the MgOâ€“CaOâ€“SiO2 system. Journal of Materials Science: Materials in Medicine, 2010, 21, 1463-1471.	1.7	57
45	Synthesis and characterization of novel multiphase bioactive glassâ€ceramics in the CaOâ€MgOâ€SiO₂ system. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 93B, 194-202.	1.6	29
46	Effect of thermal treatment on the structure and optical properties of biomimic hierarchical ZnO column arrays. Journal of Alloys and Compounds, 2010, 495, 275-279.	2.8	2
47	Preparation of titanium carbonitride nanoparticles from a novel refluxing-derived precursor. Materials Letters, 2009, 63, 1904-1906.	1.3	11
48	The preparation of BSA-PLLA microparticles in a batch supercritical anti-solvent process. Carbohydrate Polymers, 2009, 77, 244-249.	5.1	27
49	Preparation and properties of red phosphor CaO: Eu3+. Journal of Materials Science, 2009, 44, 2388-2392.	1.7	15
50	Antibacterial properties of TiO2 ceramic pellets prepared using nano TiO2 powder. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 337-342.	0.4	2
51	A study on the in vitro degradation properties of poly(l-lactic acid)/Î²-tricalcuim phosphate(PLLA/Î²-TCP) scaffold under dynamic loading. Medical Engineering and Physics, 2009, 31, 589-594.	0.8	55
52	Preparation and properties of Ni-doped ZnO rod arrays from aqueous solution. Journal of Colloid and Interface Science, 2009, 330, 380-385.	5.0	65
53	Equilibrium of drops on inclined fibers. Journal of Colloid and Interface Science, 2009, 330, 399-403.	5.0	17
54	Biomineralization of Uniform Gallium Oxide Rods with Cellular Compatibility. Inorganic Chemistry, 2009, 48, 6471-6479.	1.9	26

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55	Preparation and Optical Properties of Biomimic Hierarchical ZnO Column Arrays. Crystal Growth and Design, 2009, 9, 707-714.	1.4	12
56	Segmented Nanofibrils of Spiral Silk in Uloborus walckenaerius Spider. Journal of Physical Chemistry B, 2009, 113, 5092-5097.	1.2	5
57	Characterization and Bacterial Response of Zinc Oxide Particles Prepared by a Biomineralization Process. Journal of Physical Chemistry B, 2009, 113, 6047-6053.	1.2	40
58	Synthesis and characteristics of monticellite bioactive ceramic. Journal of Materials Science: Materials in Medicine, 2008, 19, 1257-1263.	1.7	62
59	Degradation of residual formaldehyde in fabric by photo-catalysis. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 147-150.	0.4	0
60	Preparation and magnetic properties of Cu-ferrite nanorods and nanowires. Journal of Colloid and Interface Science, 2008, 317, 530-535.	5.0	23
61	Preparation of PLLA/PLGA microparticles using solution enhanced dispersion by supercritical fluids (SEDS). Journal of Colloid and Interface Science, 2008, 322, 87-94.	5.0	77
62	Preparation and characterization of the biomineralized zinc oxide particles in spider silk peptides. Journal of Colloid and Interface Science, 2008, 325, 356-362.	5.0	37
63	Induction of osteoconductivity by BMP-2 gene modification of mesenchymal stem cells combined with plasma-sprayed hydroxyapatite coating. Applied Surface Science, 2008, 255, 336-339.	3.1	7
64	Well-aligned ZnO rod arrays grown on glass substrate from aqueous solution. Applied Surface Science, 2008, 254, 2917-2921.	3.1	25
65	Preparation and in vitro bioactivity of novel merwinite ceramic. Biomedical Materials (Bristol), 2008, 3, 015015.	1.7	48
66	Preparation of poly(l-lactic acid)/Î²-tricalcium phosphate scaffold for bone tissue engineering without organic solvent. Materials Letters, 2008, 62, 2029-2032.	1.3	32
67	Toxicological Effect of ZnO Nanoparticles Based on Bacteria. Langmuir, 2008, 24, 4140-4144.	1.6	549
68	Osteoinductive Observation for BMP-2 Gene Modification of Mesenchymal Stem Cells Combined with Plasma-sprayed Hydroxyapatite Coating. , 2008, , .		0
69	Preparation, characterization and in vitro cytotoxicity of indomethacin-loaded PLLA/PLGA microparticles using supercritical CO2 technique. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 70, 85-97.	2.0	58
70	Preparation of decolorizing ceramsites for printing and dyeing wastewater with acid and base treated clay. Applied Clay Science, 2008, 40, 20-26.	2.6	49
71	Characterization and Biological Evaluation of Paclitaxel-Loaded Poly(l-lactic acid) Microparticles Prepared by Supercritical CO2. Langmuir, 2008, 24, 7432-7441.	1.6	35
72	Synthesis and characterization of multiphase bioactive glass-ceramics in the CaOâ€“MgOâ€“SiO2 system with B2O3 additive. Journal of Materials Research, 2008, 23, 2873-2879.	1.2	5

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73	A comparative study of the in vitro degradation of poly(l-lactic acid)/Î²-tricalcium phosphate scaffold in static and dynamic simulated body fluid. European Polymer Journal, 2007, 43, 1768-1778.	2.6	37