List of Publications by Year in descending order

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LUSATKUHN

#	Article	IF	CITATIONS
1	Endogenous <scp>FGF</scp> â€2 levels impact <scp>FGF</scp> â€2/ <scp>BMP</scp> â€2 growth factor delivery dosing in aged murine calvarial bone defects. Journal of Biomedical Materials Research - Part A, 2021, 109, 2545-2555.	4.0	6
2	Controlled Self-Assembly of DNA-Mimicking Nanotubes to Form a Layer-by-Layer Scaffold for Homeostatic Tissue Constructs. ACS Applied Materials & Interfaces, 2021, 13, 51321-51332.	8.0	9
3	Selfâ€assembled biomimetic Nanoâ€Matrix for stem cell anchorage. Journal of Biomedical Materials Research - Part A, 2020, 108, 984-991.	4.0	18
4	Editorial: Enabling Biomaterials for New Biomedical Technologies and Clinical Therapies. Frontiers in Bioengineering and Biotechnology, 2020, 8, 559.	4.1	6
5	Controlled M1-to-M2 transition of aged macrophages by calcium phosphate coatings. Biomaterials, 2019, 196, 90-99.	11.4	73
6	Cell Type Influences Local Delivery of Biomolecules from a Bioinspired Apatite Drug Delivery System. Materials, 2018, 11, 1703.	2.9	5
7	Biomimetic calcium phosphate/polyelectrolyte multilayer coatings for sequential delivery of multiple biological factors. Journal of Biomedical Materials Research - Part A, 2017, 105, 1500-1509.	4.0	15
8	Implantâ€guided supracrestal alveolar bone growth using scaffolds, <scp>BMP</scp> â€2, and novel scaffoldâ€retaining device. Clinical Oral Implants Research, 2017, 28, 1411-1420.	4.5	10
9	The US/China workshop: Regulation, standards, and innovation IV, organized by the Chinese Society for Biomaterials (CSBM) and the US Society for Biomaterials (SFB) in Minneapolis 2017. Bioactive Materials, 2017, 2, 116-117.	15.6	1
10	Layer-by-layer nanoparticle platform for cancer active targeting. International Journal of Pharmaceutics, 2017, 517, 58-66.	5.2	32
11	Calvarial Bone Regeneration Is Enhanced by Sequential Delivery of FGF-2 and BMP-2 from Layer-by-Layer Coatings with a Biomimetic Calcium Phosphate Barrier Layer. Tissue Engineering - Part A, 2017, 23, 1490-1501.	3.1	40
12	Enhanced Differentiation of Dental Pulp Cells Cultured on Microtubular Polymer Scaffolds In Vitro. Regenerative Engineering and Translational Medicine, 2017, 3, 94-105.	2.9	8
13	Age-Related Changes in FGF-2, Fibroblast Growth Factor Receptors and β-Catenin Expression in Human Mesenchyme-Derived Progenitor Cells. Journal of Cellular Biochemistry, 2016, 117, 721-729.	2.6	19
14	Comparison of bone morphogenetic proteinâ $\in 2$ delivery systems to induce supracrestal bone guided by titanium implants in the rabbit mandible. Clinical Oral Implants Research, 2016, 27, 676-685.	4.5	13
15	Human biofield therapy does not affect tumor size but modulates immune responses in a mouse model for breast cancer. Journal of Integrative Medicine, 2016, 14, 389-399.	3.1	9
16	Design and characterization of calcium phosphate ceramic scaffolds for bone tissue engineering. Dental Materials, 2016, 32, 43-53.	3.5	202
17	Therapeutic Touch Has Significant Effects on Mouse Breast Cancer Metastasis and Immune Responses but Not Primary Tumor Size. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-10.	1.2	17
18	Carboxymethyl Hyaluronan-Stabilized Nanoparticles for Anticancer Drug Delivery. International Journal of Cell Biology, 2015, 2015, 1-14.	2.5	11

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19	Lithiumâ€endâ€capped polylactide thin films influence osteoblast progenitor cell differentiation and mineralization. Journal of Biomedical Materials Research - Part A, 2015, 103, 500-510.	4.0	4
20	Effects of low dose FGF-2 and BMP-2 on healing of calvarial defects in old mice. Experimental Gerontology, 2015, 64, 62-69.	2.8	57
21	Bone Tissue Engineering Around Dental Implants. , 2015, , 749-764.		3
22	Fibroblast Growth Factor-2 Isoform (Low Molecular Weight/18 kDa) Overexpression in Preosteoblast Cells Promotes Bone Regeneration in Critical Size Calvarial Defects in Male Mice. Endocrinology, 2014, 155, 965-974.	2.8	25
23	Optimizing BMP-2-induced bone repair with FGF-2. Journal of the American Academy of Orthopaedic Surgeons, The, 2014, 22, 677-679.	2.5	8
24	Response to the Letter "Age and site should be considered when investigating the effect of growth factors on human bone-derived cells". Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 1092-1093.	3.6	0
25	Developmental-Like Bone Regeneration by Human Embryonic Stem Cell-Derived Mesenchymal Cells. Tissue Engineering - Part A, 2014, 20, 365-377.	3.1	48
26	Osteogenetic Properties of Electrospun Nanofibrous PCL Scaffolds Equipped With Chitosan-Based Nanoreservoirs of Growth Factors. Macromolecular Bioscience, 2014, 14, 45-55.	4.1	62
27	Therapeutic Touch Modulates Immune Function and Inhibits Metastasis but Not Primary Tumor Size in a Breast Cancer Model in Mice. Journal of Alternative and Complementary Medicine, 2014, 20, A34-A35.	2.1	0
28	A Site-Specific Integrated Col2.3GFP Reporter Identifies Osteoblasts Within Mineralized Tissue Formed In Vivo by Human Embryonic Stem Cells. Stem Cells Translational Medicine, 2014, 3, 1125-1137.	3.3	17
29	Targeting tumor hypoxia with 2-nitroimidazole-indocyanine green dye conjugates. Journal of Biomedical Optics, 2013, 18, 066009.	2.6	29
30	Target tumor hypoxia with 2-nitroimidazole-ICG dye conjugates. Proceedings of SPIE, 2013, , .	0.8	1
31	Use of a Perforated Scaffold-Retaining Abutment to Achieve Vertical Bone Regeneration Around Dental Implants in the Minipig. International Journal of Oral and Maxillofacial Implants, 2013, 28, 432-443.	1.4	15
32	Fibroblast Growth Factor-2 and Bone Morphogenetic Protein-2 Have a Synergistic Stimulatory Effect on Bone Formation in Cell Cultures From Elderly Mouse and Human Bone. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2013, 68, 1170-1180.	3.6	42
33	Macromol. Biosci. 8/2012. Macromolecular Bioscience, 2012, 12, n/a-n/a.	4.1	0
34	One-Step Derivation of Mesenchymal Stem Cell (MSC)-Like Cells from Human Pluripotent Stem Cells on a Fibrillar Collagen Coating. PLoS ONE, 2012, 7, e33225.	2.5	120
35	Modified Hyaluronan Hydrogels Support the Maintenance of Mouse Embryonic Stem Cells and Human Induced Pluripotent Stem Cells. Macromolecular Bioscience, 2012, 12, 1034-1042.	4.1	27
36	Implantâ€guided vertical bone growth in the miniâ€pig. Clinical Oral Implants Research, 2012, 23, 751-757.	4.5	16

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37	An evaluation of BMPâ€2 delivery from scaffolds with miniaturized dental implants in a novel rat mandible model. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 97B, 315-326.	3.4	34
38	Synthesis and fluorescent characteristics of imidazole–indocyanine green conjugates. Dyes and Pigments, 2011, 89, 9-15.	3.7	30
39	Imaging tumor hypoxia by near-infrared fluorescence tomography. Journal of Biomedical Optics, 2011, 16, 066009.	2.6	35
40	Tumor hypoxia fluorescence imaging using 2-nitroimidazole bis -carboxylic acid indocyanine dye conjugate. Proceedings of SPIE, 2011, , .	0.8	1
41	A Nondestructive Method for Evaluating In Vitro Osteoblast Differentiation on Biomaterials Using Osteoblast-Specific Fluorescence. Tissue Engineering - Part C: Methods, 2010, 16, 1357-1366.	2.1	18
42	Osteogenic differentiation of hESCs after culturing on fibrillar type I collagen coatings. , 2010, , .		0
43	Fabrication and Characterization of Hydroxyapatite-Coated Polystyrene Disks for Use in Osteoprogenitor Cell Culture. Journal of Biomaterials Science, Polymer Edition, 2010, 21, 1371-1387.	3.5	11
44	Fibroblast Growth Factor-2 Stimulates the Proliferation of Mesenchyme-Derived Progenitor Cells From Aging Mouse and Human Bone. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2010, 65A, 1051-1059.	3.6	22
45	Pro416Arg cherubism mutation in Sh3bp2 knock-in mice affects osteoblasts and alters bone mineral and matrix properties. Bone, 2010, 46, 1306-1315.	2.9	17
46	Nitroimidazole-Indocynine Green Conjugates for Breast Cancer Hypoxia Imaging. , 2010, , .		1
47	Implant system for guiding a new layer of bone. Computed microtomography and histomorphometric analysis in the rabbit mandible. Clinical Oral Implants Research, 2009, 20, 201-207.	4.5	26
48	A Comparison of the Physical and Chemical Differences Between Cancellous and Cortical Bovine Bone Mineral at Two Ages. Calcified Tissue International, 2008, 83, 146-154.	3.1	83
49	Growth of new bone guided by implants in a murine calvarial model. Bone, 2008, 43, 781-788.	2.9	26
50	Effects of the physico-chemical nature of two biomimetic crystals on the innate immune response. International Immunopharmacology, 2007, 7, 1617-1629.	3.8	16
51	Chemotherapy drug delivery from calcium phosphate nanoparticles. International Journal of Nanomedicine, 2007, 2, 667-74.	6.7	65
52	Interactions of cisplatin with calcium phosphate nanoparticles: In vitro controlled adsorption and release. Journal of Orthopaedic Research, 2004, 22, 703-708.	2.3	94
53	Size and Shape of Mineralites in Young Bovine Bone Measured by Atomic Force Microscopy. Calcified Tissue International, 2003, 72, 592-598.	3.1	118
54	Shape and size of isolated bone mineralites measured using atomic force microscopy. Journal of Orthopaedic Research, 2001, 19, 1027-1034.	2.3	205

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55	Structure, Composition, and Maturation of Newly Deposited Calcium-Phosphate Crystals in Chicken Osteoblast Cell Cultures. Journal of Bone and Mineral Research, 2000, 15, 1301-1309.	2.8	43
56	Evidence of hydroxyl-ion deficiency in bone apatites: an inelastic neutron-scattering study. Bone, 2000, 26, 599-602.	2.9	115
57	Mechanical properties and the hierarchical structure of bone. Medical Engineering and Physics, 1998, 20, 92-102.	1.7	2,008
58	A biomimetic example of brittle toughening: (I) steady state multiple cracking. Computational Materials Science, 1996, 5, 157-166.	3.0	56
59	Raman Spectra of Vateritic Calcium Carbonate. Spectroscopy Letters, 1995, 28, 983-995.	1.0	118
60	A diffusional creep law for powder compacts. Acta Metallurgica Et Materialia, 1992, 40, 961-969.	1.8	192
61	Yielding of metal powder bonded by isolated contacts. Journal of the Mechanics and Physics of Solids, 1992, 40, 1139-1162.	4.8	276
62	Power-law creep of powder bonded by isolated contacts. International Journal of Mechanical Sciences, 1992, 34, 563-573.	6.7	83
63	A Model for Power Consolidation. Journal of the American Ceramic Society, 1991, 74, 682-685.	3.8	41