

Liisa T Kuhn

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

4,717
citations

201385

27
h-index

138251

58
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68
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docs citations

68
times ranked

6064
citing authors

#	ARTICLE	IF	CITATIONS
1	Endogenous FGF-2 levels impact FGF-2/BMP-2 growth factor delivery dosing in aged murine calvarial bone defects. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 2545-2555.	2.1	6
2	Controlled Self-Assembly of DNA-Mimicking Nanotubes to Form a Layer-by-Layer Scaffold for Homeostatic Tissue Constructs. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51321-51332.	4.0	9
3	Self-Assembled biomimetic NanoMatrix for stem cell anchorage. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 984-991.	2.1	18
4	Editorial: Enabling Biomaterials for New Biomedical Technologies and Clinical Therapies. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 559.	2.0	6
5	Controlled M1-to-M2 transition of aged macrophages by calcium phosphate coatings. <i>Biomaterials</i> , 2019, 196, 90-99.	5.7	73
6	Cell Type Influences Local Delivery of Biomolecules from a Bioinspired Apatite Drug Delivery System. <i>Materials</i> , 2018, 11, 1703.	1.3	5
7	Biomimetic calcium phosphate/polyelectrolyte multilayer coatings for sequential delivery of multiple biological factors. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1500-1509.	2.1	15
8	Implant-guided supracrestal alveolar bone growth using scaffolds, BMP-2, and novel scaffold-retaining device. <i>Clinical Oral Implants Research</i> , 2017, 28, 1411-1420.	1.9	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. <i>Bioactive Materials</i> , 2017, 2, 116-117.	8.6	1
10	Layer-by-layer nanoparticle platform for cancer active targeting. <i>International Journal of Pharmaceutics</i> , 2017, 517, 58-66.	2.6	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. <i>Tissue Engineering - Part A</i> , 2017, 23, 1490-1501.	1.6	40
12	Enhanced Differentiation of Dental Pulp Cells Cultured on Microtubular Polymer Scaffolds In Vitro. <i>Regenerative Engineering and Translational Medicine</i> , 2017, 3, 94-105.	1.6	8
13	Age-Related Changes in FGF-2, Fibroblast Growth Factor Receptors and β -Catenin Expression in Human Mesenchyme-Derived Progenitor Cells. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 721-729.	1.2	19
14	Comparison of bone morphogenetic protein-2 delivery systems to induce supracrestal bone guided by titanium implants in the rabbit mandible. <i>Clinical Oral Implants Research</i> , 2016, 27, 676-685.	1.9	13
15	Human biofield therapy does not affect tumor size but modulates immune responses in a mouse model for breast cancer. <i>Journal of Integrative Medicine</i> , 2016, 14, 389-399.	1.4	9
16	Design and characterization of calcium phosphate ceramic scaffolds for bone tissue engineering. <i>Dental Materials</i> , 2016, 32, 43-53.	1.6	202
17	Therapeutic Touch Has Significant Effects on Mouse Breast Cancer Metastasis and Immune Responses but Not Primary Tumor Size. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-10.	0.5	17
18	Carboxymethyl Hyaluronan-Stabilized Nanoparticles for Anticancer Drug Delivery. <i>International Journal of Cell Biology</i> , 2015, 2015, 1-14.	1.0	11

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19	Lithium-terminated capped polylactide thin films influence osteoblast progenitor cell differentiation and mineralization. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 500-510.	2.1	4
20	Effects of low dose FGF-2 and BMP-2 on healing of calvarial defects in old mice. <i>Experimental Gerontology</i> , 2015, 64, 62-69.	1.2	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. <i>Endocrinology</i> , 2014, 155, 965-974.	1.4	25
23	Optimizing BMP-2-induced bone repair with FGF-2. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2014, 22, 677-679.	1.1	8
24	Response to the Letter "Age and site should be considered when investigating the effect of growth factors on human bone-derived cells". <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 1092-1093.	1.7	0
25	Developmental-Like Bone Regeneration by Human Embryonic Stem Cell-Derived Mesenchymal Cells. <i>Tissue Engineering - Part A</i> , 2014, 20, 365-377.	1.6	48
26	Osteogenetic Properties of Electrospun Nanofibrous PCL Scaffolds Equipped With Chitosan-Based Nanoreservoirs of Growth Factors. <i>Macromolecular Bioscience</i> , 2014, 14, 45-55.	2.1	62
27	Therapeutic Touch Modulates Immune Function and Inhibits Metastasis but Not Primary Tumor Size in a Breast Cancer Model in Mice. <i>Journal of Alternative and Complementary Medicine</i> , 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. <i>Stem Cells Translational Medicine</i> , 2014, 3, 1125-1137.	1.6	17
29	Targeting tumor hypoxia with 2-nitroimidazole-indocyanine green dye conjugates. <i>Journal of Biomedical Optics</i> , 2013, 18, 066009.	1.4	29
30	Target tumor hypoxia with 2-nitroimidazole-ICG dye conjugates. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
31	Use of a Perforated Scaffold-Retaining Abutment to Achieve Vertical Bone Regeneration Around Dental Implants in the Minipig. <i>International Journal of Oral and Maxillofacial Implants</i> , 2013, 28, 432-443.	0.6	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. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013, 68, 1170-1180.	1.7	42
33	Macromol. Biosci. 8/2012. <i>Macromolecular Bioscience</i> , 2012, 12, n/a-n/a.	2.1	0
34	One-Step Derivation of Mesenchymal Stem Cell (MSC)-Like Cells from Human Pluripotent Stem Cells on a Fibrillar Collagen Coating. <i>PLoS ONE</i> , 2012, 7, e33225.	1.1	120
35	Modified Hyaluronan Hydrogels Support the Maintenance of Mouse Embryonic Stem Cells and Human Induced Pluripotent Stem Cells. <i>Macromolecular Bioscience</i> , 2012, 12, 1034-1042.	2.1	27
36	Implant-guided vertical bone growth in the mini-pig. <i>Clinical Oral Implants Research</i> , 2012, 23, 751-757.	1.9	16

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37	An evaluation of BMP α 2 delivery from scaffolds with miniaturized dental implants in a novel rat mandible model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011, 97B, 315-326.	1.6	34
38	Synthesis and fluorescent characteristics of imidazole α indocyanine green conjugates. <i>Dyes and Pigments</i> , 2011, 89, 9-15.	2.0	30
39	Imaging tumor hypoxia by near-infrared fluorescence tomography. <i>Journal of Biomedical Optics</i> , 2011, 16, 066009.	1.4	35
40	Tumor hypoxia fluorescence imaging using 2-nitroimidazole bis-carboxylic acid indocyanine dye conjugate. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
41	A Nondestructive Method for Evaluating In Vitro Osteoblast Differentiation on Biomaterials Using Osteoblast-Specific Fluorescence. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 1357-1366.	1.1	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. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 1371-1387.	1.9	11
44	Fibroblast Growth Factor-2 Stimulates the Proliferation of Mesenchyme-Derived Progenitor Cells From Aging Mouse and Human Bone. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2010, 65A, 1051-1059.	1.7	22
45	Pro416Arg cherubism mutation in Sh3bp2 knock-in mice affects osteoblasts and alters bone mineral and matrix properties. <i>Bone</i> , 2010, 46, 1306-1315.	1.4	17
46	Nitroimidazole-Indocynine Green Conjugates for Breast Cancer Hypoxia Imaging. , 2010, , .		1
47	Implant system for guiding a new layer of bone. <i>Computed microtomography and histomorphometric analysis in the rabbit mandible. Clinical Oral Implants Research</i> , 2009, 20, 201-207.	1.9	26
48	A Comparison of the Physical and Chemical Differences Between Cancellous and Cortical Bovine Bone Mineral at Two Ages. <i>Calcified Tissue International</i> , 2008, 83, 146-154.	1.5	83
49	Growth of new bone guided by implants in a murine calvarial model. <i>Bone</i> , 2008, 43, 781-788.	1.4	26
50	Effects of the physico-chemical nature of two biomimetic crystals on the innate immune response. <i>International Immunopharmacology</i> , 2007, 7, 1617-1629.	1.7	16
51	Chemotherapy drug delivery from calcium phosphate nanoparticles. <i>International Journal of Nanomedicine</i> , 2007, 2, 667-74.	3.3	65
52	Interactions of cisplatin with calcium phosphate nanoparticles: In vitro controlled adsorption and release. <i>Journal of Orthopaedic Research</i> , 2004, 22, 703-708.	1.2	94
53	Size and Shape of Mineralites in Young Bovine Bone Measured by Atomic Force Microscopy. <i>Calcified Tissue International</i> , 2003, 72, 592-598.	1.5	118
54	Shape and size of isolated bone mineralites measured using atomic force microscopy. <i>Journal of Orthopaedic Research</i> , 2001, 19, 1027-1034.	1.2	205

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55	Structure, Composition, and Maturation of Newly Deposited Calcium-Phosphate Crystals in Chicken Osteoblast Cell Cultures. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 1301-1309.	3.1	43
56	Evidence of hydroxyl-ion deficiency in bone apatites: an inelastic neutron-scattering study. <i>Bone</i> , 2000, 26, 599-602.	1.4	115
57	Mechanical properties and the hierarchical structure of bone. <i>Medical Engineering and Physics</i> , 1998, 20, 92-102.	0.8	2,008
58	A biomimetic example of brittle toughening: (I) steady state multiple cracking. <i>Computational Materials Science</i> , 1996, 5, 157-166.	1.4	56
59	Raman Spectra of Vateritic Calcium Carbonate. <i>Spectroscopy Letters</i> , 1995, 28, 983-995.	0.5	118
60	A diffusional creep law for powder compacts. <i>Acta Metallurgica Et Materialia</i> , 1992, 40, 961-969.	1.9	192
61	Yielding of metal powder bonded by isolated contacts. <i>Journal of the Mechanics and Physics of Solids</i> , 1992, 40, 1139-1162.	2.3	276
62	Power-law creep of powder bonded by isolated contacts. <i>International Journal of Mechanical Sciences</i> , 1992, 34, 563-573.	3.6	83
63	A Model for Power Consolidation. <i>Journal of the American Ceramic Society</i> , 1991, 74, 682-685.	1.9	41