

Bradley T Estes

List of Publications by Year in descending order

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27
papers

4,417
citations

361045

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h-index

525886

27
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29
all docs

29
docs citations

29
times ranked

6973
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of Stem Cell Fate by Physical Interactions with the Extracellular Matrix. <i>Cell Stem Cell</i> , 2009, 5, 17-26.	5.2	1,669
2	Polyetheretherketone as a biomaterial for spinal applications. <i>Biomaterials</i> , 2006, 27, 324-334.	5.7	468
3	Isolation of adipose-derived stem cells and their induction to a chondrogenic phenotype. <i>Nature Protocols</i> , 2010, 5, 1294-1311.	5.5	383
4	Potent induction of chondrocytic differentiation of human adipose-derived adult stem cells by bone morphogenetic protein 6. <i>Arthritis and Rheumatism</i> , 2006, 54, 1222-1232.	6.7	279
5	Chondrogenic Differentiation of Adipose-Derived Adult Stem Cells by a Porous Scaffold Derived from Native Articular Cartilage Extracellular Matrix. <i>Tissue Engineering - Part A</i> , 2009, 15, 231-241.	1.6	259
6	Composite Three-Dimensional Woven Scaffolds with Interpenetrating Network Hydrogels to Create Functional Synthetic Articular Cartilage. <i>Advanced Functional Materials</i> , 2013, 23, 5833-5839.	7.8	218
7	2010 Nicolas Andry Award: Multipotent Adult Stem Cells from Adipose Tissue for Musculoskeletal Tissue Engineering. <i>Clinical Orthopaedics and Related Research</i> , 2010, 468, 2530-2540.	0.7	136
8	Mechanical Signals as Regulators of Stem Cell Fate. <i>Current Topics in Developmental Biology</i> , 2004, 60, 91-126.	1.0	111
9	Extended passaging, but not aldehyde dehydrogenase activity, increases the chondrogenic potential of human adipose-derived adult stem cells. <i>Journal of Cellular Physiology</i> , 2006, 209, 987-995.	2.0	107
10	Differentiation of Adipose Stem Cells. <i>Methods in Molecular Biology</i> , 2008, 456, 155-171.	0.4	94
11	Anatomically shaped tissue-engineered cartilage with tunable and inducible anticytokine delivery for biological joint resurfacing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4513-22.	3.3	94
12	Multifunctional Hybrid Three-Dimensionally Woven Scaffolds for Cartilage Tissue Engineering. <i>Macromolecular Bioscience</i> , 2010, 10, 1355-1364.	2.1	91
13	Genipin-Crosslinked Cartilage-Derived Matrix as a Scaffold for Human Adipose-Derived Stem Cell Chondrogenesis. <i>Tissue Engineering - Part A</i> , 2013, 19, 484-496.	1.6	91
14	Engineered cartilage using primary chondrocytes cultured in a porous cartilage-derived matrix. <i>Regenerative Medicine</i> , 2011, 6, 81-93.	0.8	76
15	Monolayer cell expansion conditions affect the chondrogenic potential of adipose-derived stem cells. <i>Biotechnology and Bioengineering</i> , 2008, 99, 986-995.	1.7	70
16	The inhibition by interleukin 1 of MSC chondrogenesis and the development of biomechanical properties in biomimetic 3D woven PCL scaffolds. <i>Biomaterials</i> , 2012, 33, 8967-8974.	5.7	54
17	The effects of BMP6 overexpression on adipose stem cell chondrogenesis: Interactions with dexamethasone and exogenous growth factors. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 994-1003.	2.1	45
18	Three-Dimensional Culture Systems to Induce Chondrogenesis of Adipose-Derived Stem Cells. <i>Methods in Molecular Biology</i> , 2011, 702, 201-217.	0.4	40

#	ARTICLE	IF	CITATIONS
19	Functional outcome measures in a surgical model of hip osteoarthritis in dogs. <i>Journal of Experimental Orthopaedics</i> , 2016, 3, 17.	0.8	22
20	Composite Cellularized Structures Created from an Interpenetrating Polymer Network Hydrogel Reinforced by a 3D Woven Scaffold. <i>Macromolecular Bioscience</i> , 2018, 18, e1800140.	2.1	21
21	Chondrogenic, hypertrophic, and osteochondral differentiation of human mesenchymal stem cells on three-dimensionally woven scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 1453-1465.	1.3	21
22	Comparison of Fixation Techniques of 3D-Woven Poly(μ -Caprolactone) Scaffolds for Cartilage Repair in a Weightbearing Porcine Large Animal Model. <i>Cartilage</i> , 2018, 9, 428-437.	1.4	19
23	Biological resurfacing in a canine model of hip osteoarthritis. <i>Science Advances</i> , 2021, 7, eabi5918.	4.7	15
24	What standards can (and can't) tell us about a spinal device. <i>SAS Journal</i> , 2009, 3, 178-183.	1.3	14
25	Chondrogenic Differentiation Processes in Human Bone-Marrow Aspirates Seeded in Three-Dimensional-Woven Poly(ϵ -Caprolactone) Scaffolds Enhanced by Recombinant Adeno-Associated Virus-Mediated SOX9 Gene Transfer. <i>Human Gene Therapy</i> , 2018, 29, 1277-1286.	1.4	12
26	Functional tissue engineering of articular cartilage for biological joint resurfacing. The 2021 Elizabeth Winston Lanier Kappa Delta Award. <i>Journal of Orthopaedic Research</i> , 2022, 40, 1721-1734.	1.2	2
27	Macromol. Biosci. 11/2010. <i>Macromolecular Bioscience</i> , 2010, 10, n/a-n/a.	2.1	0