Dai Fei Elmer Ker

List of Publications by Year
in descending order

27	859	566801 15	580395 25
papers	citations	h-index	g-index

27	27	27	1348
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hyaluronic acid drives mesenchymal stromal cell-derived extracellular matrix assembly by promoting fibronectin fibrillogenesis. Journal of Materials Chemistry B, 2021, 9, 7205-7215.	2.9	12
2	Combinatorial mechanical gradation and growth factor biopatterning strategy for spatially controlled bone-tendon-like cell differentiation and tissue formation. NPG Asia Materials, 2021, 13, .	3.8	12
3	Engineering multi-tissue units for regenerative Medicine: Bone-tendon-muscle units of the rotator cuff. Biomaterials, 2021, 272, 120789.	5.7	32
4	Engineering Musculoskeletal Grafts for Multi-Tissue Unit Repair: Lessons From Developmental Biology and Wound Healing. Frontiers in Physiology, 2021, 12, 691954.	1.3	7
5	Weakly supervised cell instance segmentation under various conditions. Medical Image Analysis, 2021, 73, 102182.	7.0	17
6	Calvarial Versus Long Bone: Implications for Tailoring Skeletal Tissue Engineering. Tissue Engineering - Part B: Reviews, 2020, 26, 46-63.	2.5	42
7	Acoustic Patterning of Growth Factor for Three-Dimensional Tissue Engineering. Tissue Engineering - Part A, 2020, 26, 602-612.	1.6	7
8	Weakly-Supervised Cell Tracking via Backward-and-Forward Propagation. Lecture Notes in Computer Science, 2020, , 104-121.	1.0	15
9	Ruminants: Evolutionary past and future impact. Science, 2019, 364, 1130-1131.	6.0	3
10	Weakly Supervised Cell Instance Segmentation by Propagating from Detection Response. Lecture Notes in Computer Science, 2019, , 649-657.	1.0	25
11	Functionally Graded, Boneâ€•and Tendonâ€Like Polyurethane for Rotator Cuff Repair. Advanced Functional Materials, 2018, 28, 1707107.	7.8	43
12	Phase contrast time-lapse microscopy datasets with automated and manual cell tracking annotations. Scientific Data, 2018, 5, 180237.	2.4	33
13	Identifying deer antler uhrf1 proliferation and s100a10 mineralization genes using comparative RNA-seq. Stem Cell Research and Therapy, 2018, 9, 292.	2.4	17
14	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
15	Development of mRuby2-Transfected C3H10T1/2 Fibroblasts for Musculoskeletal Tissue Engineering. PLoS ONE, 2015, 10, e0139054.	1.1	6
16	Cell-sensitive phase contrast microscopy imaging by multiple exposures. Medical Image Analysis, 2015, 25, 111-121.	7.0	10
17	Hemocompatibility evaluation of small elastomeric hollow fiber membranes as vascular substitutes. Journal of Biomaterials Applications, 2014, 29, 557-565.	1.2	7
18	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

#	Article	IF	Citations
19	Precise Control of Osteogenesis for Craniofacial Defect Repair. Annals of Plastic Surgery, 2012, 69, 485-488.	0.5	28
20	Mitosis detection of hematopoietic stem cell populations in time-lapse phase-contrast microscopy images. , 2012, , .		5
21	Role of RhoA-Specific Guanine Exchange Factors in Regulation of Endomitosis in Megakaryocytes. Developmental Cell, 2012, 22, 573-584.	3.1	77
22	Apoptosis Detection for Adherent Cell Populations in Time-Lapse Phase-Contrast Microscopy Images. Lecture Notes in Computer Science, 2012, 15, 331-339.	1.0	16
23	Data-driven prediction of stem cell expansion cultures. , 2011, 2011, 3577-80.		1
24	Automated Mitosis Detection of Stem Cell Populations in Phase-Contrast Microscopy Images. IEEE Transactions on Medical Imaging, 2011, 30, 586-596.	5.4	96
25	Bioprinting of growth factors onto aligned sub-micron fibrous scaffolds for simultaneous control of cell differentiation and alignment. Biomaterials, 2011, 32, 8097-8107.	5.7	179
26	Engineering spatial control of multiple differentiation fates within a stem cell population. Biomaterials, 2011, 32, 3413-3422.	5.7	99
27	An Engineered Approach to Stem Cell Culture: Automating the Decision Process for Real-Time Adaptive Subculture of Stem Cells. PLoS ONE, 2011, 6, e27672.	1.1	23