

Kyle H Vining

List of Publications by Year in descending order

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15
papers

1,848
citations

623734

14
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

3583
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical forces direct stem cell behaviour in development and regeneration. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 728-742.	37.0	1,042
2	Bio-inspired stable antimicrobial peptide coatings for dental applications. <i>Acta Biomaterialia</i> , 2013, 9, 8224-8231.	8.3	171
3	Anatomy, Biogenesis and Regeneration of Salivary Glands. <i>Monographs in Oral Science</i> , 2014, 24, 1-13.	1.8	132
4	Programmable microencapsulation for enhanced mesenchymal stem cell persistence and immunomodulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15392-15397.	7.1	124
5	Sequential modes of crosslinking tune viscoelasticity of cell-instructive hydrogels. <i>Biomaterials</i> , 2019, 188, 187-197.	11.4	91
6	Matrix stiffness and tumor-associated macrophages modulate epithelial to mesenchymal transition of human adenocarcinoma cells. <i>Biofabrication</i> , 2018, 10, 035004.	7.1	63
7	Multifunctional biomimetic hydrogel systems to boost the immunomodulatory potential of mesenchymal stromal cells. <i>Biomaterials</i> , 2020, 257, 120266.	11.4	44
8	Extracellular matrix mechanics regulate transfection and SOX9-directed differentiation of mesenchymal stem cells. <i>Acta Biomaterialia</i> , 2020, 110, 153-163.	8.3	36
9	Synthetic Light-Curable Polymeric Materials Provide a Supportive Niche for Dental Pulp Stem Cells. <i>Advanced Materials</i> , 2018, 30, 1704486.	21.0	35
10	Hybrid Nanotopographical Surfaces Obtained by Biomimetic Mineralization of Statherin-Inspired Elastin-Like Recombinamers. <i>Advanced Healthcare Materials</i> , 2014, 3, 1638-1647.	7.6	29
11	Mechanical checkpoint regulates monocyte differentiation in fibrotic niches. <i>Nature Materials</i> , 2022, 21, 939-950.	27.5	22
12	Neurturin-containing laminin matrices support innervated branching epithelium from adult epithelial salspheres. <i>Biomaterials</i> , 2019, 216, 119245.	11.4	20
13	FGF2 Enhances Odontoblast Differentiation by \pm SMA+ Progenitors In Vivo. <i>Journal of Dental Research</i> , 2018, 97, 1170-1177.	5.2	19
14	Surface immobilization and bioactivity of TGF β 1 inhibitor peptides for bone implant applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 385-394.	3.4	16
15	3D encapsulation and inflammatory licensing of mesenchymal stromal cells alter the expression of common reference genes used in real-time RT-qPCR. <i>Biomaterials Science</i> , 2020, 8, 6741-6753.	5.4	4