

Stuart Reid

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

944
citations

687363

13
h-index

713466

21
g-index

24
all docs

24
docs citations

24
times ranked

1538
citing authors

#	ARTICLE	IF	CITATIONS
1	Breath emulator for simulation and modelling of expired tidal breath carbon dioxide characteristics. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 200, 105826.	4.7	5
2	The use of nanovibration to discover specific and potent bioactive metabolites that stimulate osteogenic differentiation in mesenchymal stem cells. <i>Science Advances</i> , 2021, 7, .	10.3	22
3	Nanovibrational stimulation inhibits osteoclastogenesis and enhances osteogenesis in co-cultures. <i>Scientific Reports</i> , 2021, 11, 22741.	3.3	3
4	Reduction of <i>Pseudomonas aeruginosa</i> biofilm formation through the application of nanoscale vibration. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 379-386.	2.2	1
5	Nanovibrational Stimulation of Mesenchymal Stem Cells Induces Therapeutic Reactive Oxygen Species and Inflammation for Three-Dimensional Bone Tissue Engineering. <i>ACS Nano</i> , 2020, 14, 10027-10044.	14.6	33
6	Hurdles to uptake of mesenchymal stem cells and their progenitors in therapeutic products. <i>Biochemical Journal</i> , 2020, 477, 3349-3366.	3.7	11
7	Design, construction and characterisation of a novel nanovibrational bioreactor and cultureware for osteogenesis. <i>Scientific Reports</i> , 2019, 9, 12944.	3.3	17
8	Mirror Coating Solution for the Cryogenic Einstein Telescope. <i>Physical Review Letters</i> , 2019, 122, 231102.	7.8	24
9	Alopecia areata: A multifactorial autoimmune condition. <i>Journal of Autoimmunity</i> , 2019, 98, 74-85.	6.5	139
10	Control of cell behaviour through nanovibrational stimulation: nanokicking. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170290.	3.4	23
11	Automated Control of Plasma Ion-Assisted Electron Beam-Deposited TiO ₂ Optical Thin Films. <i>Coatings</i> , 2018, 8, 272.	2.6	5
12	Stimulation of 3D osteogenesis by mesenchymal stem cells using a nanovibrational bioreactor. <i>Nature Biomedical Engineering</i> , 2017, 1, 758-770.	22.5	77
13	Development of Mirror Coatings for Gravitational Wave Detectors. <i>Coatings</i> , 2016, 6, 61.	2.6	30
14	Production of Nanoscale Vibration for Stimulation of Human Mesenchymal Stem Cells. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 1478-1488.	1.1	11
15	Use of nanoscale mechanical stimulation for control and manipulation of cell behaviour. <i>Acta Biomaterialia</i> , 2016, 34, 159-168.	8.3	26
16	Nanoscale stimulation of osteoblastogenesis from mesenchymal stem cells: nanotopography and nanokicking. <i>Nanomedicine</i> , 2015, 10, 547-560.	3.3	27
17	Cell Interactions at the Nanoscale: Piezoelectric Stimulation. <i>IEEE Transactions on Nanobioscience</i> , 2013, 12, 247-254.	3.3	16
18	Osteogenesis of Mesenchymal Stem Cells by Nanoscale Mechanotransduction. <i>ACS Nano</i> , 2013, 7, 2758-2767.	14.6	114

#	ARTICLE	IF	CITATIONS
19	Gravitational Wave Detection by Interferometry (Ground and Space). Living Reviews in Relativity, 2011, 14, 5.	26.7	154
20	Titania-doped tantala/silica coatings for gravitational-wave detection. Classical and Quantum Gravity, 2007, 24, 405-415.	4.0	205