Stuart Reid

List of Publications by Year in descending order

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	Titania-doped tantala/silica coatings for gravitational-wave detection. Classical and Quantum Gravity, 2007, 24, 405-415.	4.0	205
2	Gravitational Wave Detection by Interferometry (Ground and Space). Living Reviews in Relativity, 2011, 14, 5.	26.7	154
3	Alopecia areata: A multifactorial autoimmune condition. Journal of Autoimmunity, 2019, 98, 74-85.	6.5	139
4	Osteogenesis of Mesenchymal Stem Cells by Nanoscale Mechanotransduction. ACS Nano, 2013, 7, 2758-2767.	14.6	114
5	Stimulation of 3D osteogenesis by mesenchymal stem cells using a nanovibrational bioreactor. Nature Biomedical Engineering, 2017, 1, 758-770.	22.5	77
6	Nanovibrational Stimulation of Mesenchymal Stem Cells Induces Therapeutic Reactive Oxygen Species and Inflammation for Three-Dimensional Bone Tissue Engineering. ACS Nano, 2020, 14, 10027-10044.	14.6	33
7	Development of Mirror Coatings for Gravitational Wave Detectors. Coatings, 2016, 6, 61.	2.6	30
8	Nanoscale stimulation of osteoblastogenesis from mesenchymal stem cells: nanotopography and nanokicking. Nanomedicine, 2015, 10, 547-560.	3.3	27
9	Use of nanoscale mechanical stimulation for control and manipulation of cell behaviour. Acta Biomaterialia, 2016, 34, 159-168.	8.3	26
10	Mirror Coating Solution for the Cryogenic Einstein Telescope. Physical Review Letters, 2019, 122, 231102.	7.8	24
11	Control of cell behaviour through nanovibrational stimulation: nanokicking. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170290.	3.4	23
12	The use of nanovibration to discover specific and potent bioactive metabolites that stimulate osteogenic differentiation in mesenchymal stem cells. Science Advances, 2021, 7, .	10.3	22
13	Design, construction and characterisation of a novel nanovibrational bioreactor and cultureware for osteogenesis. Scientific Reports, 2019, 9, 12944.	3.3	17
14	Cell Interactions at the Nanoscale: Piezoelectric Stimulation. IEEE Transactions on Nanobioscience, 2013, 12, 247-254.	3.3	16
15	Production of Nanoscale Vibration for Stimulation of Human Mesenchymal Stem Cells. Journal of Biomedical Nanotechnology, 2016, 12, 1478-1488.	1.1	11
16	Hurdles to uptake of mesenchymal stem cells and their progenitors in therapeutic products. Biochemical Journal, 2020, 477, 3349-3366.	3.7	11
17	Automated Control of Plasma Ion-Assisted Electron Beam-Deposited TiO2 Optical Thin Films. Coatings, 2018, 8, 272.	2.6	5
18	Breath emulator for simulation and modelling of expired tidal breath carbon dioxide characteristics. Computer Methods and Programs in Biomedicine, 2021, 200, 105826.	4.7	5

#	Article	IF	Citations
19	Nanovibrational stimulation inhibits osteoclastogenesis and enhances osteogenesis in co-cultures. Scientific Reports, 2021, 11, 22741.	3.3	3
20	Reduction of Pseudomonas aeruginosa biofilm formation through the application of nanoscale vibration. Journal of Bioscience and Bioengineering, 2020, 129, 379-386.	2.2	1