Angela Carvalho

List of Publications by Year
in descending order

18	345	949033 11	1051228 16
papers	citations	h-index	g-index

20	20	20	476
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design and surface characterization of micropatterned silica coatings for zirconia dental implants. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 126, 105060.	1.5	8
2	One sample fits all: a microfluidic-assisted methodology for label-free isolation of CTCs with downstream methylation analysis of cfDNA in lung cancer. Biomaterials Science, 2022, 10, 3296-3308.	2.6	2
3	Biomaterials with Potential Use in Bone Tissue Regenerationâ€"Collagen/Chitosan/Silk Fibroin Scaffolds Cross-Linked by EDC/NHS. Materials, 2021, 14, 1105.	1.3	34
4	Urinary Extracellular Vesicles as Potential Biomarkers for Urologic Cancers: An Overview of Current Methods and Advances. Cancers, 2021, 13, 1529.	1.7	21
5	Emerging Lab-on-a-Chip Approaches for Liquid Biopsy in Lung Cancer: Status in CTCs and ctDNA Research and Clinical Validation. Cancers, 2021, 13, 2101.	1.7	14
6	Femtosecond laser microstructuring of alumina toughened zirconia for surface functionalization of dental implants. Ceramics International, 2020, 46, 1383-1389.	2.3	52
7	Effect of surface modification by femtosecond laser on zirconia based ceramics for screening of cell-surface interaction. Applied Surface Science, 2020, 513, 145914.	3.1	32
8	Micropatterned Silica Films with Nanohydroxyapatite for Y-TZP Implants. Journal of Dental Research, 2018, 97, 1003-1009.	2.5	4
9	Characterization of gelatin and chitosan scaffolds cross-linked by addition of dialdehyde starch. Biomedical Materials (Bristol), 2018, 13, 015016.	1.7	16
10	Femtosecond laser microstructured Alumina toughened Zirconia: A new strategy to improve osteogenic differentiation of hMSCs. Applied Surface Science, 2018, 435, 1237-1245.	3.1	47
11	MobilityAnalyser: A novel approach for automatic quantification of cell mobility on periodic patterned substrates using brightfield microscopy images. Computer Methods and Programs in Biomedicine, 2018, 162, 61-67.	2.6	3
12	Effects of Line and Pillar Array Microengineered SiO₂ Thin Films on the Osteogenic Differentiation of Human Bone Marrow-Derived Mesenchymal Stem Cells. Langmuir, 2016, 32, 1091-1100.	1.6	38
13	Modulation of human dermal microvascular endothelial cell and human gingival fibroblast behavior by micropatterned silica coating surfaces for zirconia dental implant applications. Science and Technology of Advanced Materials, 2014, 15, 025001.	2.8	28
14	Periodic Background Pattern Detection and Removal for Cell Tracking. Lecture Notes in Computer Science, 2014, , 123-131.	1.0	0
15	Effects of density of anisotropic microstamped silica thin films on guided bone tissue regenerationâ€"In vitro study. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2013, 101B, 762-769.	1.6	16
16	Micropatterned silica thin films with nanohydroxyapatite micro-aggregates for guided tissue regeneration. Dental Materials, 2012, 28, 1250-1260.	1.6	24
17	Micropatterned Coatings for Guided Tissue Regeneration in Dental Implantology. , 2012, , .		4
18	Human bone marrow derived mesenchymal stem cells modulation by micro/nanostructured ATZ surfaces treated with femtosecond laser. Frontiers in Bioengineering and Biotechnology, 0, 4, .	2.0	1