

Arie Bruinink

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

3,664
citations

706676

14
h-index

799663

21
g-index

24
all docs

24
docs citations

24
times ranked

7126
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled formation of chitosan particles by a clock reaction. <i>Soft Matter</i> , 2018, 14, 6415-6418.	1.2	22
2	Harvesting pre-polarized macrophages using thermo-responsive substrates. <i>Scientific Reports</i> , 2017, 7, 42495.	1.6	8
3	Effect of particle agglomeration in nanotoxicology. <i>Archives of Toxicology</i> , 2015, 89, 659-675.	1.9	121
4	<i>In vitro</i> investigations of a novel wound dressing concept based on biodegradable polyurethane. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 034606.	2.8	22
5	Improving cell adhesion: development of a biosensor for cell behaviour monitoring by surface grafting of sulfonic groups onto a thermoplastic polyurethane. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 2017-2026.	1.7	14
6	From implantation to degradation – are poly (L-lactide)/multiwall carbon nanotube composite materials really cytocompatible?. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, e1041-e1051.	1.7	34
7	Addition of nanoscaled bioinspired surface features: A revolution for bone related implants and scaffolds?. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 275-294.	2.1	48
8	Evaluation of early stage human bone marrow stromal proliferation, cell migration and osteogenic differentiation on 1/4-MIM structured stainless steel surfaces. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1285-1292.	1.7	2
9	Surface grafting of carboxylic groups onto thermoplastic polyurethanes to reduce cell adhesion. <i>Applied Surface Science</i> , 2013, 283, 744-750.	3.1	10
10	Surface Microstructures on Planar Substrates and Textile Fibers Guide Neurite Outgrowth: A Scaffold Solution to Push Limits of Critical Nerve Defect Regeneration?. <i>PLoS ONE</i> , 2012, 7, e50714.	1.1	13
11	<i>In vitro</i> bioactivity of micro metal injection moulded stainless steel with defined surface features. , 2012, 23, 333-347.		10
12	Evaluation of Biocompatibility Using <i>In Vitro</i> Methods: Interpretation and Limitations. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2011, 126, 117-152.	0.6	27
13	Surface grafting of a thermoplastic polyurethane with methacrylic acid by previous plasma surface activation and by ultraviolet irradiation to reduce cell adhesion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 371-377.	2.5	40
14	Surface modification of thermoplastic polyurethane in order to enhance reactivity and avoid cell adhesion. <i>Colloid and Polymer Science</i> , 2009, 287, 1469-1474.	1.0	8
15	<i>In vitro</i> effects of SWCNT: Role of treatment duration. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2423-2427.	0.7	3
16	Surface modification and characterization of thermoplastic polyurethane. <i>European Polymer Journal</i> , 2009, 45, 1412-1419.	2.6	160
17	Single walled carbon nanotubes (SWCNT) affect cell physiology and cell architecture. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 1523-1527.	1.7	69
18	The degree and kind of agglomeration affect carbon nanotube cytotoxicity. <i>Toxicology Letters</i> , 2007, 168, 121-131.	0.4	732

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19	Exposure of Engineered Nanoparticles to Human Lung Epithelial Cells: Influence of Chemical Composition and Catalytic Activity on Oxidative Stress. <i>Environmental Science & Technology</i> , 2007, 41, 4158-4163.	4.6	785
20	The reliability and limits of the MTT reduction assay for carbon nanotubes' cell interaction. <i>Carbon</i> , 2007, 45, 2643-2648.	5.4	175
21	Identification of neurotoxic chemicals in cell cultures. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2007, 24 Spec No, 22-5.	0.9	0
22	In Vitro Cytotoxicity of Oxide Nanoparticles: Comparison to Asbestos, Silica, and the Effect of Particle Solubility. <i>Environmental Science & Technology</i> , 2006, 40, 4374-4381.	4.6	1,207
23	The effect of topographic characteristics on cell migration velocity. <i>Biomaterials</i> , 2006, 27, 5230-5241.	5.7	151
24	In Vitro Toxicokinetics and Dynamics: Modeling and Interpretation of Toxicity Data. , 0, , 509-550.		3