Sarunas Petronis

List of Publications by Year
in descending order

33	1,715	331538 21	414303 32
papers	citations	h-index	g-index

33	33	33	2986
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimized alginate-based 3D printed scaffolds as a model of patient derived breast cancer microenvironments in drug discovery. Biomedical Materials (Bristol), 2021, 16, 045046.	1.7	12
2	3D Printed Nanocellulose Scaffolds as a Cancer Cell Culture Model System. Bioengineering, 2021, 8, 97.	1.6	13
3	The effects of controlled nanotopography, machined topography and their combination on molecular activities, bone formation and biomechanical stability during osseointegration. Acta Biomaterialia, 2021, 136, 279-290.	4.1	20
4	Molecular Response to Nanopatterned Implants in the Human Jaw Bone. ACS Biomaterials Science and Engineering, 2021, 7, 5878-5889.	2.6	4
5	Patient-derived scaffolds uncover breast cancer promoting properties of the microenvironment. Biomaterials, 2020, 235, 119705.	5.7	41
6	Surface Functionalization of PTFE Membranes Intended for Guided Bone Regeneration Using Recombinant Spider Silk. ACS Applied Bio Materials, 2020, 3, 577-583.	2.3	14
7	Intermittent catheterization with single- or multiple-reuse catheters: clinical study on safety and impact on quality of life. International Urology and Nephrology, 2020, 52, 1443-1451.	0.6	25
8	Biofilm formation on three different endotracheal tubes: a prospective clinical trial. Critical Care, 2020, 24, 382.	2.5	33
9	Characterization of cell-free breast cancer patient-derived scaffolds using liquid chromatography-mass spectrometry/mass spectrometry data and RNA sequencing data. Data in Brief, 2020, 31, 105860.	0.5	5
10	Highâ€Performance Thiolâ€“Ene Composites Unveil a New Era of Adhesives Suited for Bone Repair. Advanced Functional Materials, 2018, 28, 1800372.	7.8	36
11	The influence of controlled surface nanotopography on the early biological events of osseointegration. Acta Biomaterialia, 2017, 53, 559-571.	4.1	59
12	Significantly Accelerated Wound Healing of Full-Thickness Skin Using a Novel Composite Gel of Porcine Acellular Dermal Matrix and Human Peripheral Blood Cells. Cell Transplantation, 2017, 26, 293-307.	1.2	25
13	Standardisation of magnetic nanoparticles in liquid suspension. Journal Physics D: Applied Physics, 2017, 50, 383003.	1.3	56
14	The role of well-defined nanotopography of titanium implants on osseointegration: cellular and molecular events in vivo. International Journal of Nanomedicine, 2016, 11, 1367.	3.3	44
15	A novel soft tissue model for biomaterial-associated infection and inflammation â€“ Bacteriological, morphological and molecular observations. Biomaterials, 2015, 41, 106-121.	5.7	21
16	Osteogenic response of human mesenchymal stem cells to well-defined nanoscale topography in vitro. International Journal of Nanomedicine, 2014, 9, 2499.	3.3	40
17	Chemical Modifications of Au/SiO₂ Template Substrates for Patterned Biofunctional Surfaces. Langmuir, 2011, 27, 678-685.	1.6	41
18	Nanostructured model implants for in vivo studies: influence of well-defined nanotopography on de novo bone formation on titanium implants. International Journal of Nanomedicine, 2011, 6, 3415.	3.3	51

#	Article	IF	Citations
19	Locally Functionalized Short-Range Ordered Nanoplasmonic Pores for Bioanalytical Sensing. Analytical Chemistry, 2010, 82, 2087-2094.	3.2	105
20	A miniaturized flow reaction chamber for use in combination with QCM-D sensing. Microfluidics and Nanofluidics, 2010, 9, 705-716.	1.0	8
21	Vesicle Adsorption and Phospholipid Bilayer Formation on Topographically and Chemically Nanostructured Surfaces. Journal of Physical Chemistry B, 2010, 114, 4623-4631.	1.2	42
22	Combined QCM-D and EIS study of supported lipid bilayer formation and interaction with pore-forming peptides. Analyst, The, 2010, 135, 343-350.	1.7	78
23	Use of a multi-thermal washer for DNA microarrays simplifies probe design and gives robust genotyping assays. Nucleic Acids Research, 2008, 36, e10-e10.	6.5	31
24	Influence of Nanotopography on Phospholipid Bilayer Formation on Silicon Dioxide. Journal of Physical Chemistry B, 2008, 112, 5175-5181.	1.2	33
25	Transparent polymeric cell culture chip with integrated temperature control and uniform media perfusion. BioTechniques, 2006, 40, 368-376.	0.8	72
26	Characterization of an inexpensive, nontoxic, and highly sensitive microarray substrate. BioTechniques, 2004, 37, 286-296.	0.8	33
27	Model porous surfaces for systematic studies of material-cell interactions. Journal of Biomedical Materials Research Part B, 2003, 66A, 707-721.	3.0	19
28	Response of rat osteoblast-like cells to microstructured model surfaces in vitro. Biomaterials, 2003, 24, 649-654.	5.7	135
29	Biomimetic materials with tailored surface micro-architecture for prevention of marine biofouling. Surface and Interface Analysis, 2003, 35, 168-173.	0.8	13
30	Microfabricated force-sensitive elastic substrates for investigation of mechanical cellâ€“substrate interactions. Journal of Micromechanics and Microengineering, 2003, 13, 900-913.	1.5	33
31	Characteristics of the surface oxides on turned and electrochemically oxidized pure titanium implants up to dielectric breakdown:. Biomaterials, 2002, 23, 491-501.	5.7	462
32	<title>Interparticle coupling effects in surface-enhanced Raman scattering</title>. , 2001, , .		32
33	Design and microstructuring of PDMS surfaces for improved marine biofouling resistance. Journal of Biomaterials Science, Polymer Edition, 2000, 11, 1051-1072.	1.9	79