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	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
2	Response of rat osteoblast-like cells to microstructured model surfaces in vitro. Biomaterials, 2003, 24, 649-654.	5.7	135
3	Locally Functionalized Short-Range Ordered Nanoplasmonic Pores for Bioanalytical Sensing. Analytical Chemistry, 2010, 82, 2087-2094.	3.2	105
4	Design and microstructuring of PDMS surfaces for improved marine biofouling resistance. Journal of Biomaterials Science, Polymer Edition, 2000, 11, 1051-1072.	1.9	79
5	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
6	Transparent polymeric cell culture chip with integrated temperature control and uniform media perfusion. BioTechniques, 2006, 40, 368-376.	0.8	72
7	The influence of controlled surface nanotopography on the early biological events of osseointegration. Acta Biomaterialia, 2017, 53, 559-571.	4.1	59
8	Standardisation of magnetic nanoparticles in liquid suspension. Journal Physics D: Applied Physics, 2017, 50, 383003.	1.3	56
9	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
10	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
11	Vesicle Adsorption and Phospholipid Bilayer Formation on Topographically and Chemically Nanostructured Surfaces. Journal of Physical Chemistry B, 2010, 114, 4623-4631.	1.2	42
12	Chemical Modifications of Au/SiO₂ Template Substrates for Patterned Biofunctional Surfaces. Langmuir, 2011, 27, 678-685.	1.6	41
13	Patient-derived scaffolds uncover breast cancer promoting properties of the microenvironment. Biomaterials, 2020, 235, 119705.	5.7	41
14	Osteogenic response of human mesenchymal stem cells to well-defined nanoscale topography in vitro. International Journal of Nanomedicine, 2014, 9, 2499.	3.3	40
15	Highâ€Performance Thiolâ€“Ene Composites Unveil a New Era of Adhesives Suited for Bone Repair. Advanced Functional Materials, 2018, 28, 1800372.	7.8	36
16	Microfabricated force-sensitive elastic substrates for investigation of mechanical cellâ€“substrate interactions. Journal of Micromechanics and Microengineering, 2003, 13, 900-913.	1.5	33
17	Characterization of an inexpensive, nontoxic, and highly sensitive microarray substrate. BioTechniques, 2004, 37, 286-296.	0.8	33
18	Influence of Nanotopography on Phospholipid Bilayer Formation on Silicon Dioxide. Journal of Physical Chemistry B, 2008, 112, 5175-5181.	1.2	33

#	Article	IF	Citations
19	Biofilm formation on three different endotracheal tubes: a prospective clinical trial. Critical Care, 2020, 24, 382.	2.5	33
20	<title>Interparticle coupling effects in surface-enhanced Raman scattering</title>. , 2001, , .		32
21	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
22	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
23	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
24	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
25	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
26	Model porous surfaces for systematic studies of material-cell interactions. Journal of Biomedical Materials Research Part B, 2003, 66A, 707-721.	3.0	19
27	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
28	Biomimetic materials with tailored surface micro-architecture for prevention of marine biofouling. Surface and Interface Analysis, 2003, 35, 168-173.	0.8	13
29	3D Printed Nanocellulose Scaffolds as a Cancer Cell Culture Model System. Bioengineering, 2021, 8, 97.	1.6	13
30	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
31	A miniaturized flow reaction chamber for use in combination with QCM-D sensing. Microfluidics and Nanofluidics, 2010, 9, 705-716.	1.0	8
32	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
33	Molecular Response to Nanopatterned Implants in the Human Jaw Bone. ACS Biomaterials Science and Engineering, 2021, 7, 5878-5889.	2.6	4