

Virginia Pensabene

List of Publications by Year in descending order

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47
papers

1,363
citations

361296
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docs citations

49
times ranked

2366
citing authors

#	ARTICLE	IF	CITATIONS
1	Electromagnetic Property Characterization and Sensing of Endothelial Cells Growth Medium and Dulbecco's Phosphate Buffered Saline Solution for in vitro Cell Culture. , 2022, , .		1
2	Metabolomic Analysis Evidences That Uterine Epithelial Cells Enhance Blastocyst Development in a Microfluidic Device. Cells, 2021, 10, 1194.	1.8	3
3	Probing morphological, genetic and metabolomic changes of in vitro embryo development in a microfluidic device. Biotechnology Progress, 2021, 37, e3194.	1.3	5
4	Embracing Mechanobiology in Next Generation Organ-On-A-Chip Models of Bone Metastasis. Frontiers in Medical Technology, 2021, 3, 722501.	1.3	9
5	Translational Roadmap for the Organs-on-a-Chip Industry toward Broad Adoption. Bioengineering, 2020, 7, 112.	1.6	52
6	Leveraging bioengineering to assess cellular functions and communication within human fetal membranes. Journal of Maternal-Fetal and Neonatal Medicine, 2020, , 1-13.	0.7	2
7	Polylactic is a Sustainable, Low Absorption, Low Autofluorescence Alternative to Other Plastics for Microfluidic and Organ-on-Chip Applications. Analytical Chemistry, 2020, 92, 6693-6701.	3.2	50
8	Organs-On-Chip Models of the Female Reproductive System. Bioengineering, 2019, 6, 103.	1.6	26
9	Remote heart rate monitoring - Assessment of the Facereader rPPg by Noldus. PLoS ONE, 2019, 14, e0225592.	1.1	22
10	Potential of Manuka Honey as a Natural Polyelectrolyte to Develop Biomimetic Nanostructured Meshes With Antimicrobial Properties. Frontiers in Bioengineering and Biotechnology, 2019, 7, 344.	2.0	21
11	Remote heart rate monitoring - Assessment of the Facereader rPPg by Noldus. , 2019, 14, e0225592.		0
12	Remote heart rate monitoring - Assessment of the Facereader rPPg by Noldus. , 2019, 14, e0225592.		0
13	Remote heart rate monitoring - Assessment of the Facereader rPPg by Noldus. , 2019, 14, e0225592.		0
14	Remote heart rate monitoring - Assessment of the Facereader rPPg by Noldus. , 2019, 14, e0225592.		0
15	Remote heart rate monitoring - Assessment of the Facereader rPPg by Noldus. , 2019, 14, e0225592.		0
16	Mouse embryo assay to evaluate polydimethylsiloxane (PDMS) embryo-toxicity*. , 2018, 2018, 4484-4487.		2
17	Assessment of the Fitbit Charge 2 for monitoring heart rate. PLoS ONE, 2018, 13, e0192691.	1.1	115
18	Instrumenting a Fetal Membrane on a Chip as Emerging Technology for Preterm Birth Research. Current Pharmaceutical Design, 2018, 23, 6115-6124.	0.9	22

#	ARTICLE	IF	CITATIONS
19	Compartmentalized Culture of Perivascular Stroma and Endothelial Cells in a Microfluidic Model of the Human Endometrium. <i>Annals of Biomedical Engineering</i> , 2017, 45, 1758-1769.	1.3	71
20	On the injectability of free-standing magnetic nanofilms. <i>Biomedical Microdevices</i> , 2017, 19, 51.	1.4	8
21	Exposure to the environmental endocrine disruptor TCDD and human reproductive dysfunction: Translating lessons from murine models. <i>Reproductive Toxicology</i> , 2017, 68, 59-71.	1.3	78
22	Optimization of electrospun fibrous membranes for in vitro modeling of blood-brain barrier. , 2016, 2016, 125-128.		8
23	Ultrathin Polymer Membranes with Patterned, Micrometric Pores for Organs-on-Chips. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22629-22636.	4.0	23
24	Organs-on-Chips as Bridges for Predictive Toxicology. <i>Applied in Vitro Toxicology</i> , 2016, 2, 97-102.	0.6	23
25	Recreating blood-brain barrier physiology and structure on chip: A novel neurovascular microfluidic bioreactor. <i>Biomicrofluidics</i> , 2015, 9, 054124.	1.2	326
26	Repairing Fetal Membranes with a Self-adhesive Ultrathin Polymeric Film: Evaluation in Mid-gestational Rabbit Model. <i>Annals of Biomedical Engineering</i> , 2015, 43, 1978-1988.	1.3	13
27	Neurovascular unit on a chip: implications for translational applications. <i>Stem Cell Research and Therapy</i> , 2013, 4, S18.	2.4	56
28	Wireless swimming microrobots: Design and development of a 2 DoF magnetic-based system. , 2012, , .		4
29	A pilot study on a new anchoring mechanism for surgical applications based on mucoadhesives. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2011, 20, 3-13.	0.6	13
30	Free-Standing Poly(l-lactic acid) Nanofilms Loaded with Superparamagnetic Nanoparticles. <i>Langmuir</i> , 2011, 27, 5589-5595.	1.6	49
31	Novel Smart Concepts for Designing Swimming Soft Microrobots. <i>Procedia Computer Science</i> , 2011, 7, 264-265.	1.2	4
32	Mucoadhesive film for anchoring assistive surgical instruments in endoscopic surgery: in vivo assessment of deployment and attachment. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2011, 25, 3071-3079.	1.3	10
33	Flexible polymeric ultrathin film for mesenchymal stem cell differentiation. <i>Acta Biomaterialia</i> , 2011, 7, 2883-2891.	4.1	28
34	Design and development of a soft magnetically-propelled swimming microrobot. , 2011, , .		18
35	Quantification of growth and differentiation of C2C12 skeletal muscle cells on PSS-PAH-based polyelectrolyte layer-by-layer nanofilms. <i>Biomedical Materials (Bristol)</i> , 2011, 6, 031001.	1.7	36
36	Controlled Magnetic Propulsion of Floating Polymeric Two-Dimensional Nano-Objects. <i>Advanced Robotics</i> , 2011, 25, 1029-1047.	1.1	6

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37	Cell Creeping and Controlled Migration by Magnetic Carbon Nanotubes. <i>Nanoscale Research Letters</i> , 2010, 5, 257-62.	3.1	20
38	Adhesion and proliferation of skeletal muscle cells on single layer poly(lactic acid) ultra-thin films. <i>Biomedical Microdevices</i> , 2010, 12, 809-819.	1.4	48
39	Carbon nanotube-enhanced cell electroporation. <i>Bioelectrochemistry</i> , 2010, 79, 136-141.	2.4	32
40	Evaluation of friction enhancement through soft polymer micro-patterns in active capsule endoscopy. <i>Measurement Science and Technology</i> , 2010, 21, 105802.	1.4	42
41	Magnetic Nanofilms for Biomedical Applications. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2010, 1, .	0.8	11
42	From miniature to nano robots for diagnostic and therapeutic applications. , 2010, 2010, 1954-7.		3
43	Dispersion of Multi-walled Carbon Nanotubes in Aqueous Pluronic F127 Solutions for Biological Applications. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2009, 17, 11-25.	1.0	49
44	FIB-Nanostructured Surfaces and Investigation of Bio/Nonbio Interactions at the Nanoscale. <i>IEEE Transactions on Nanobioscience</i> , 2008, 7, 1-10.	2.2	14
45	Neuroblastoma Cells Displacement by Magnetic Carbon Nanotubes. <i>IEEE Transactions on Nanobioscience</i> , 2008, 7, 105-110.	2.2	21
46	Investigation of CNTs interaction with fibroblast cells. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 6621-4.	0.5	4
47	Design criteria of neuron/electrode interface. The focused ion beam technology as an analytical method to investigate the effect of electrode surface morphology on neurocompatibility. <i>Biomedical Microdevices</i> , 2007, 9, 371-383.	1.4	12