

Sabato Fusco

List of Publications by Citations

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42
papers

1,223
citations

20
h-index

34
g-index

46
ext. papers

1,479
ext. citations

6
avg, IF

4.32
L-index

#	Paper	IF	Citations
42	Perspectives on: PEO-PPO-PEO Triblock Copolymers and their Biomedical Applications. <i>Journal of Bioactive and Compatible Polymers</i> , 2006 , 21, 149-164	2	126
41	Ribonuclease/angiogenin inhibitor 1 regulates stress-induced subcellular localization of angiogenin to control growth and survival. <i>Journal of Cell Science</i> , 2013 , 126, 4308-19	5.3	76
40	Shuttle-mediated nanoparticle delivery to the blood-brain barrier. <i>Small</i> , 2013 , 9, 853-62	11	76
39	Reprogramming normal cells into tumour precursors requires ECM stiffness and oncogene-mediated changes of cell mechanical properties. <i>Nature Materials</i> , 2020 , 19, 797-806	27	70
38	Transport across the cell-membrane dictates nanoparticle fate and toxicity: a new paradigm in nanotoxicology. <i>Nanoscale</i> , 2014 , 6, 10264-73	7.7	66
37	Effect of serum proteins on polystyrene nanoparticle uptake and intracellular trafficking in endothelial cells. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 4295-4309	2.3	63
36	Injectable thermally responsive mucoadhesive gel for sustained protein delivery. <i>Biomacromolecules</i> , 2011 , 12, 28-33	6.9	59
35	Structural and mechanical properties of UV-photo-cross-linked poly(N-vinyl-2-pyrrolidone) hydrogels. <i>Biomacromolecules</i> , 2008 , 9, 231-40	6.9	58
34	Crosstalk between focal adhesions and material mechanical properties governs cell mechanics and functions. <i>Acta Biomaterialia</i> , 2015 , 23, 63-71	10.8	53
33	Viscosity measurements on micron-size scale using optical tweezers. <i>Review of Scientific Instruments</i> , 2005 , 76, 115105	1.7	53
32	Biocompatibility, uptake and endocytosis pathways of polystyrene nanoparticles in primary human renal epithelial cells. <i>Journal of Biotechnology</i> , 2015 , 193, 3-10	3.7	49
31	Energy independent uptake and release of polystyrene nanoparticles in primary mammalian cell cultures. <i>Experimental Cell Research</i> , 2015 , 330, 240-247	4.2	47
30	Particle tracking by full-field complex wavefront subtraction in digital holography microscopy. <i>Lab on A Chip</i> , 2014 , 14, 1129-34	7.2	46
29	Cell mechanosensing is regulated by substrate strain energy rather than stiffness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 22004-22013	11.5	35
28	3D is not enough: Building up a cell instructive microenvironment for tumoral stroma microtissues. <i>Acta Biomaterialia</i> , 2017 , 47, 1-13	10.8	32
27	Combination therapy for the treatment of pancreatic cancer through hyaluronic acid-decorated nanoparticles loaded with quercetin and gemcitabine: A preliminary in vitro study. <i>Journal of Cellular Physiology</i> , 2019 , 234, 4959-4969	7	31
26	New insights into the mechanisms of the interactions between doxorubicin and the ion-exchange hydrogel DC Bead [®] for use in transarterial chemoembolization (TACE). <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012 , 23, 333-54	3.5	30

25	Investigation of the mechanisms governing doxorubicin and irinotecan release from drug-eluting beads: mathematical modeling and experimental verification. <i>Journal of Materials Science: Materials in Medicine</i> , 2013 , 24, 2359-70	4.5	29
24	Ligand engagement on material surfaces is discriminated by cell mechanosensing. <i>Biomaterials</i> , 2015 , 45, 72-80	15.6	29
23	Polystyrene nanoparticles affect <i>Xenopus laevis</i> development. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	26
22	Y-box Binding Protein-1 Is Part of a Complex Molecular Network Linking p63 to the PI3K/akt Pathway in Cutaneous Squamous Cell Carcinoma. <i>Journal of Cellular Physiology</i> , 2015 , 230, 2067-74	7	17
21	Mechanical phenotyping of cells and extracellular matrix as grade and stage markers of lung tumor tissues. <i>Acta Biomaterialia</i> , 2017 , 57, 334-341	10.8	16
20	High frequency viscoelastic behaviour of low molecular weight hyaluronic acid water solutions. <i>Biorheology</i> , 2007 , 44, 403-18	1.7	15
19	TraceME: Traceability Management in Eclipse 2012 ,		13
18	Stimuli-responsive chitosan/poly (N-isopropylacrylamide) semi-interpenetrating polymer networks: effect of pH and temperature on their rheological and swelling properties. <i>Journal of Materials Science: Materials in Medicine</i> , 2016 , 27, 109	4.5	13
17	ECM Mechano-Sensing Regulates Cytoskeleton Assembly and Receptor-Mediated Endocytosis of Nanoparticles. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 1586-1594	5.5	12
16	Mechanosensing of substrate stiffness regulates focal adhesions dynamics in cell. <i>Meccanica</i> , 2017 , 52, 3389-3398	2.1	11
15	Surface decoration with gH625-membranotropic peptides as a method to escape the endo-lysosomal compartment and reduce nanoparticle toxicity. <i>Nanotechnology</i> , 2015 , 26, 415101	3.4	11
14	Investigation on specific solutions of Gerchberg-Saxton algorithm. <i>Optics and Lasers in Engineering</i> , 2014 , 52, 206-211	4.6	11
13	X-rays effects on cytoskeleton mechanics of healthy and tumor cells. <i>Cytoskeleton</i> , 2017 , 74, 40-52	2.4	11
12	Drug micro-carriers with a hyaluronic acid corona toward a diffusion-limited aggregation within the vitreous body. <i>Carbohydrate Polymers</i> , 2019 , 220, 185-190	10.3	9
11	Nanomechanics of a fibroblast suspended using point-like anchors reveal cytoskeleton formation. <i>RSC Advances</i> , 2016 , 6, 24245-24249	3.7	9
10	X-RAY IRRADIATION AFFECTS MORPHOLOGY, PROLIFERATION AND MIGRATION RATE OF HEALTHY AND CANCER CELLS. <i>Journal of Mechanics in Medicine and Biology</i> , 2015 , 15, 1540022	0.7	6
9	Preliminary studies on noncovalent hyperbranched polymers based on PNA and DNA building blocks. <i>Journal of Peptide Science</i> , 2009 , 15, 647-53	2.1	4
8	Morphological and Rheological Guided Design for the Microencapsulation Process of in Calcium Alginate Microspheres. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 660691	5.8	3

7	Drug Delivery: Shuttle-Mediated Nanoparticle Delivery to the BloodBrain Barrier (Small 6/2013). <i>Small</i> , 2013 , 9, 806-806	11	2
6	A BIOPHYSICAL ANALYSIS TO ASSESS X-RAY SENSITIVITY OF HEALTHY AND TUMOUR CELLS. <i>Radiation Protection Dosimetry</i> , 2019 , 183, 116-120	0.9	1
5	Adhesion and Migration Response to Radiation Therapy of Mammary Epithelial and Adenocarcinoma Cells Interacting with Different Stiffness Substrates. <i>Cancers</i> , 2020 , 12,	6.6	1
4	Investigation on cytoskeleton dynamics for non-adherent cells under point-like stimuli 2015 ,		1
3	Toxic effects of SiONPs in early embryogenesis of <i>Xenopus laevis</i> .. <i>Chemosphere</i> , 2021 , 289, 133233	8.4	1
2	ECM Mechano-regulation in Malignant Pleural Mesothelioma.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 797900	5.8	0
1	Micro and Macro Characterization of PEO-PPO-PEO Triblocks Hydrogels. <i>Macromolecular Symposia</i> , 2008 , 266, 92-95	0.8	