

# Sabato Fusco

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	ECM Mechano-regulation in Malignant Pleural Mesothelioma.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2022</b> , 10, 797900	5.8	0
41	Toxic effects of SiONPs in early embryogenesis of <i>Xenopus laevis</i> .. <i>Chemosphere</i> , <b>2021</b> , 289, 133233	8.4	1
40	Morphological and Rheological Guided Design for the Microencapsulation Process of in Calcium Alginate Microspheres. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 660691	5.8	3
39	Adhesion and Migration Response to Radiation Therapy of Mammary Epithelial and Adenocarcinoma Cells Interacting with Different Stiffness Substrates. <i>Cancers</i> , <b>2020</b> , 12,	6.6	1
38	Reprogramming normal cells into tumour precursors requires ECM stiffness and oncogene-mediated changes of cell mechanical properties. <i>Nature Materials</i> , <b>2020</b> , 19, 797-806	27	70
37	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> , <b>2019</b> , 116, 22004-22013	11.5	35
36	A BIOPHYSICAL ANALYSIS TO ASSESS X-RAY SENSITIVITY OF HEALTHY AND TUMOUR CELLS. <i>Radiation Protection Dosimetry</i> , <b>2019</b> , 183, 116-120	0.9	1
35	Drug micro-carriers with a hyaluronic acid corona toward a diffusion-limited aggregation within the vitreous body. <i>Carbohydrate Polymers</i> , <b>2019</b> , 220, 185-190	10.3	9
34	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> , <b>2019</b> , 234, 4959-4969	7	31
33	Mechanosensing of substrate stiffness regulates focal adhesions dynamics in cell. <i>Meccanica</i> , <b>2017</b> , 52, 3389-3398	2.1	11
32	Mechanical phenotyping of cells and extracellular matrix as grade and stage markers of lung tumor tissues. <i>Acta Biomaterialia</i> , <b>2017</b> , 57, 334-341	10.8	16
31	ECM Mechano-Sensing Regulates Cytoskeleton Assembly and Receptor-Mediated Endocytosis of Nanoparticles. <i>ACS Biomaterials Science and Engineering</i> , <b>2017</b> , 3, 1586-1594	5.5	12
30	X-rays effects on cytoskeleton mechanics of healthy and tumor cells. <i>Cytoskeleton</i> , <b>2017</b> , 74, 40-52	2.4	11
29	3D is not enough: Building up a cell instructive microenvironment for tumoral stroma microtissues. <i>Acta Biomaterialia</i> , <b>2017</b> , 47, 1-13	10.8	32
28	Nanomechanics of a fibroblast suspended using point-like anchors reveal cytoskeleton formation. <i>RSC Advances</i> , <b>2016</b> , 6, 24245-24249	3.7	9
27	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> , <b>2016</b> , 27, 109	4.5	13
26	Polystyrene nanoparticles affect <i>Xenopus laevis</i> development. <i>Journal of Nanoparticle Research</i> , <b>2015</b> , 17, 1	2.3	26

25	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> , <b>2015</b> , 230, 2067-74	7	17
24	X-RAY IRRADIATION AFFECTS MORPHOLOGY, PROLIFERATION AND MIGRATION RATE OF HEALTHY AND CANCER CELLS. <i>Journal of Mechanics in Medicine and Biology</i> , <b>2015</b> , 15, 1540022	0.7	6
23	Surface decoration with gH625-membranotropic peptides as a method to escape the endo-lysosomal compartment and reduce nanoparticle toxicity. <i>Nanotechnology</i> , <b>2015</b> , 26, 415101	3.4	11
22	Crosstalk between focal adhesions and material mechanical properties governs cell mechanics and functions. <i>Acta Biomaterialia</i> , <b>2015</b> , 23, 63-71	10.8	53
21	Energy independent uptake and release of polystyrene nanoparticles in primary mammalian cell cultures. <i>Experimental Cell Research</i> , <b>2015</b> , 330, 240-247	4.2	47
20	Biocompatibility, uptake and endocytosis pathways of polystyrene nanoparticles in primary human renal epithelial cells. <i>Journal of Biotechnology</i> , <b>2015</b> , 193, 3-10	3.7	49
19	Investigation on cytoskeleton dynamics for non-adherent cells under point-like stimuli <b>2015</b> ,		1
18	Ligand engagement on material surfaces is discriminated by cell mechanosensing. <i>Biomaterials</i> , <b>2015</b> , 45, 72-80	15.6	29
17	Particle tracking by full-field complex wavefront subtraction in digital holography microscopy. <i>Lab on A Chip</i> , <b>2014</b> , 14, 1129-34	7.2	46
16	Transport across the cell-membrane dictates nanoparticle fate and toxicity: a new paradigm in nanotoxicology. <i>Nanoscale</i> , <b>2014</b> , 6, 10264-73	7.7	66
15	Investigation on specific solutions of Gerchberg-Saxton algorithm. <i>Optics and Lasers in Engineering</i> , <b>2014</b> , 52, 206-211	4.6	11
14	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> , <b>2013</b> , 24, 2359-70	4.5	29
13	Ribonuclease/angiogenin inhibitor 1 regulates stress-induced subcellular localization of angiogenin to control growth and survival. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 4308-19	5.3	76
12	Shuttle-mediated nanoparticle delivery to the blood-brain barrier. <i>Small</i> , <b>2013</b> , 9, 853-62	11	76
11	Drug Delivery: Shuttle-Mediated Nanoparticle Delivery to the Blood-Brain Barrier ( <i>Small</i> 6/2013). <i>Small</i> , <b>2013</b> , 9, 806-806	11	2
10	TraceME: Traceability Management in Eclipse <b>2012</b> ,		13
9	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> , <b>2012</b> , 23, 333-54	3.5	30
8	Effect of serum proteins on polystyrene nanoparticle uptake and intracellular trafficking in endothelial cells. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 4295-4309	2.3	63

7	Injectable thermally responsive mucoadhesive gel for sustained protein delivery. <i>Biomacromolecules</i> , <b>2011</b> , 12, 28-33	6.9	59
6	Preliminary studies on noncovalent hyperbranched polymers based on PNA and DNA building blocks. <i>Journal of Peptide Science</i> , <b>2009</b> , 15, 647-53	2.1	4
5	Structural and mechanical properties of UV-photo-cross-linked poly(N-vinyl-2-pyrrolidone) hydrogels. <i>Biomacromolecules</i> , <b>2008</b> , 9, 231-40	6.9	58
4	Micro and Macro Characterization of PEO-PPO-PEO Triblocks Hydrogels. <i>Macromolecular Symposia</i> , <b>2008</b> , 266, 92-95	0.8	
3	High frequency viscoelastic behaviour of low molecular weight hyaluronic acid water solutions. <i>Biorheology</i> , <b>2007</b> , 44, 403-18	1.7	15
2	Perspectives on: PEO-PPO-PEO Triblock Copolymers and their Biomedical Applications. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2006</b> , 21, 149-164	2	126
1	Viscosity measurements on micron-size scale using optical tweezers. <i>Review of Scientific Instruments</i> , <b>2005</b> , 76, 115105	1.7	53