

Marco Tarantola

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

933
citations

516710

16
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580821

25
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all docs

27
docs citations

27
times ranked

1740
citing authors

#	ARTICLE	IF	CITATIONS
1	Prestress and Area Compressibility of Actin Cortices Determine the Viscoelastic Response of Living Cells. <i>Physical Review Letters</i> , 2020, 125, 068101.	7.8	34
2	Novel micropatterning technique reveals dependence of cell-substrate adhesion and migration of social amoebas on parental strain, development, and fluorescent markers. <i>PLoS ONE</i> , 2020, 15, e0236171.	2.5	4
3	Adhesion of Epithelial Cells to PNIPAm Treated Surfaces for Temperature-Controlled Cell-Sheet Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33516-33529.	8.0	27
4	ECIS based wounding and reorganization of cardiomyocytes and fibroblasts in co-cultures. <i>Progress in Biophysics and Molecular Biology</i> , 2019, 144, 116-127.	2.9	16
5	Physics meets medicine - At the heart of active matter. <i>Progress in Biophysics and Molecular Biology</i> , 2019, 144, 1-2.	2.9	0
6	Adhesion forces and cortical tension couple cell proliferation and differentiation to drive epidermal stratification. <i>Nature Cell Biology</i> , 2018, 20, 69-80.	10.3	207
7	Adhesion strategies of <i>Dictyostelium discoideum</i> – a force spectroscopy study. <i>Nanoscale</i> , 2018, 10, 22504-22519.	5.6	13
8	Variability and Order in Cytoskeletal Dynamics of Motile Amoeboid Cells. <i>Physical Review Letters</i> , 2017, 119, 148101.	7.8	6
9	Shear force-based genetic screen reveals negative regulators of cell adhesion and protrusive activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7727-E7736.	7.1	19
10	How tetraspanins shape endothelial and leukocyte nano-architecture during inflammation. <i>Biochemical Society Transactions</i> , 2017, 45, 999-1006.	3.4	7
11	Noisy Oscillations in the Actin Cytoskeleton of Chemotactic Amoeba. <i>Physical Review Letters</i> , 2016, 117, 148102.	7.8	13
12	Cell-substrate impedance fluctuations of single amoeboid cells encode cell-shape and adhesion dynamics. <i>Physical Review E</i> , 2016, 93, 012414.	2.1	7
13	Crosstalk of cardiomyocytes and fibroblasts in co-cultures. <i>Open Biology</i> , 2015, 5, 150038.	3.6	47
14	Mechanical properties of MDCK II cells exposed to gold nanorods. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 223-231.	2.8	16
15	The effect of surface charge on nonspecific uptake and cytotoxicity of CdSe/ZnS core/shell quantum dots. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 281-292.	2.8	22
16	Cell Substratum Adhesion during Early Development of <i>Dictyostelium discoideum</i> . <i>PLoS ONE</i> , 2014, 9, e106574.	2.5	23
17	Mammalian cell growth on gold nanoparticle-decorated substrates is influenced by the nanoparticle coating. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 2479-2488.	2.8	8
18	Modeling self-organized spatio-temporal patterns of PIP ₃ and PTEN during spontaneous cell polarization. <i>Physical Biology</i> , 2014, 11, 046002.	1.8	23

#	ARTICLE	IF	CITATIONS
19	Scanning X-Ray Nanodiffraction on Dictyostelium discoideum. Biophysical Journal, 2014, 107, 2662-2673.	0.5	29
20	Chemotaxis of Dictyostelium discoideum: Collective Oscillation of Cellular Contacts. PLoS ONE, 2013, 8, e54172.	2.5	10
21	A New Approach to Assess Gold Nanoparticle Uptake by Mammalian Cells: Combining Optical Dark-Field and Transmission Electron Microscopy. Small, 2012, 8, 3683-3690.	10.0	63
22	Dynamic Changes of Acoustic Load and Complex Impedance as Reporters for the Cytotoxicity of Small Molecule Inhibitors. Chemical Research in Toxicology, 2011, 24, 1494-1506.	3.3	21
23	Toxicity of gold-nanoparticles: Synergistic effects of shape and surface functionalization on micromotility of epithelial cells. Nanotoxicology, 2011, 5, 254-268.	3.0	139
24	Cell Adhesion to Ordered Pores: Consequences for Cellular Elasticity. Journal of Adhesion Science and Technology, 2010, 24, 2287-2300.	2.6	13
25	Pathogen-Mimicking MnO Nanoparticles for Selective Activation of the TLR9 Pathway and Imaging of Cancer Cells. Advanced Functional Materials, 2009, 19, 3717-3725.	14.9	54
26	Cytotoxicity of Metal and Semiconductor Nanoparticles Indicated by Cellular Micromotility. ACS Nano, 2009, 3, 213-222.	14.6	112