

LÃ-a Isabel Pietrasanta

List of Publications by Year in descending order

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304368

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docs citations

43
times ranked

3122
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation of cellular traction forces and dissociation kinetics of adhesive protein zyxin revealed by multi-parametric live cell microscopy. PLoS ONE, 2021, 16, e0251411.	1.1	5
2	Reactivity Ratios and Surface Properties of Confined and Bulk ATRP Copolymerization of Butyl Methacrylate and 2-Hydroxyethyl Acrylate. ACS Applied Polymer Materials, 2021, 3, 640-650.	2.0	9
3	An adipose tissue galectin controls endothelial cell function via preferential recognition of α -fucosylated glycans. FASEB Journal, 2020, 34, 735-753.	0.2	15
4	CMT-3 targets different α -synuclein aggregates mitigating their toxic and inflammogenic effects. Scientific Reports, 2020, 10, 20258.	1.6	13
5	The effect of ionic strength and phosphate ions on the construction of redox polyelectrolyte-enzyme self-assemblies. Physical Chemistry Chemical Physics, 2019, 21, 22947-22954.	1.3	10
6	Continuous assembly of supramolecular polyamine-phosphate networks on surfaces: preparation and permeability properties of nanofilms. Soft Matter, 2019, 15, 1640-1650.	1.2	20
7	A Patterned Butyl Methacrylate-co-2-Hydroxyethyl Acrylate Copolymer with Softening Surface and Swelling Capacity. Polymers, 2019, 11, 290.	2.0	5
8	Layer-by-Layer Assembled Microgels Can Combine Conflicting Properties: Switchable Stiffness and Wettability without Affecting Permeability. Langmuir, 2018, 34, 3711-3719.	1.6	16
9	Reversible modulation of the redox activity in conducting polymer nanofilms induced by hydrophobic collapse of a surface-grafted polyelectrolyte. Journal of Colloid and Interface Science, 2018, 518, 92-101.	5.0	20
10	Thermo-responsive PNIPAm nanopillars displaying amplified responsiveness through the incorporation of nanoparticles. Nanoscale, 2018, 10, 1189-1195.	2.8	19
11	Self-assembled phosphate-polyamine networks as biocompatible supramolecular platforms to modulate cell adhesion. Biomaterials Science, 2018, 6, 2230-2247.	2.6	19
12	Live cell imaging reveals focal adhesions mechanoresponses in mammary epithelial cells under sustained equibiaxial stress. Scientific Reports, 2018, 8, 9788.	1.6	19
13	Monitoring in real-time focal adhesion protein dynamics in response to a discrete mechanical stimulus. Review of Scientific Instruments, 2017, 88, 013703.	0.6	6
14	High-Energy Dissipation Performance in Epoxy Coatings by the Synergistic Effect of Carbon Nanotube/Block Copolymer Conjugates. ACS Applied Materials & Interfaces, 2017, 9, 930-943.	4.0	11
15	Two Arabidopsis late pollen transcripts are detected in cytoplasmic granules. Plant Direct, 2017, 1, e00012.	0.8	16
16	PIP Water Transport and Its pH Dependence Are Regulated by Tetramer Stoichiometry. Biophysical Journal, 2016, 110, 1312-1321.	0.2	37
17	Loop B serine of a plasma membrane aquaporin type PIP2 but not PIP1 plays a key role in pH sensing. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2778-2787.	1.4	17
18	Alternative Splicing of G9a Regulates Neuronal Differentiation. Cell Reports, 2016, 14, 2797-2808.	2.9	62

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19	Rab27a controls HIV-1 assembly by regulating plasma membrane levels of phosphatidylinositol 4,5-bisphosphate. <i>Journal of Cell Biology</i> , 2015, 209, 435-452.	2.3	56
20	Heteromerization of PIP aquaporins affects their intrinsic permeability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 231-236.	3.3	90
21	Effect of Gold Nanoparticles on the Structure and Electronâ€Transfer Characteristics of Glucose Oxidase Redox Polyelectrolyteâ€Surfactant Complexes. <i>Chemistry - A European Journal</i> , 2014, 20, 13366-13374.	1.7	21
22	Self-assembly of PBzMA-b-PDMAEMA diblock copolymer films at the airâ€water interface and deposition on solid substrates via Langmuirâ€Blodgett transfer. <i>Soft Matter</i> , 2013, 9, 10899.	1.2	31
23	Loop A Is Critical for the Functional Interaction of Two Beta vulgaris PIP Aquaporins. <i>PLoS ONE</i> , 2013, 8, e57993.	1.1	39
24	Light regulates attachment, exopolysaccharide production, and nodulation in <i>Rhizobium leguminosarum</i> through a LOV-histidine kinase photoreceptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12135-12140.	3.3	57
25	Recognition-driven layer-by-layer construction of multiprotein assemblies on surfaces: a biomolecular toolkit for building up chemoresponsive bioelectrochemical interfaces. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11027.	1.3	41
26	Proton and Calcium-Gated Ionic Mesochannels: Phosphate-Bearing Polymer Brushes Hosted in Mesoporous Thin Films As Biomimetic Interfacial Architectures. <i>Langmuir</i> , 2012, 28, 3583-3592.	1.6	67
27	Structural Model for p75NTRâ€TrkA Intracellular Domain Interaction: A Combined FRET and Bioinformatics Study. <i>Journal of Molecular Biology</i> , 2011, 414, 681-698.	2.0	26
28	New Algorithm to Determine True Colocalization in Combination with Image Restoration and Time-Lapse Confocal Microscopy to Map Kinases in Mitochondria. <i>PLoS ONE</i> , 2011, 6, e19031.	1.1	32
29	Study of benzo[a]phenazine 7,12-dioxide as selective hypoxic cytotoxin-scaffold. Identification of aerobic-antitumoral activity through DNA fragmentation. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 4433-4440.	1.4	24
30	Quantum Dots As Ultrasensitive Nanoactuators and Sensors of Amyloid Aggregation in Live Cells. <i>Journal of the American Chemical Society</i> , 2009, 131, 8102-8107.	6.6	73
31	Dimerization and DNA-binding of ASR1, a small hydrophilic protein abundant in plant tissues suffering from water loss. <i>Biochemical and Biophysical Research Communications</i> , 2007, 352, 831-835.	1.0	56
32	Quantitative single particle tracking of NGF-receptor complexes: Transport is bidirectional but biased by longer retrograde run lengths. <i>FEBS Letters</i> , 2007, 581, 2905-2913.	1.3	47
33	Nanoscale Memory Provided by Thermoreversible Stochastically Structured Polymer Aggregates on Mica. <i>Langmuir</i> , 2006, 22, 9682-9686.	1.6	5
34	Structure and Thickness Dependence of â€Molecular Wiringâ€in Nanostructured Enzyme Multilayers. <i>Analytical Chemistry</i> , 2006, 78, 399-407.	3.2	57
35	Long-Range RNA-RNA Interactions Circularize the Dengue Virus Genome. <i>Journal of Virology</i> , 2005, 79, 6631-6643.	1.5	327
36	Integration host factor is involved in transcriptional regulation of the <i>Brucella abortus</i> virB operon. <i>Molecular Microbiology</i> , 2004, 54, 808-822.	1.2	109

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37	Nanostructural features of demosponge biosilica. <i>Journal of Structural Biology</i> , 2003, 144, 271-281.	1.3	90
38	Methods for Biological Probe Microscopy in Aqueous Fluids. <i>Methods in Cell Biology</i> , 2002, 68, 213-229.	0.5	12
39	Probing protein-protein interactions in real time. <i>Nature Structural Biology</i> , 2000, 7, 644-647.	9.7	270
40	Recent Highlights from Atomic Force Microscopy of DNA. <i>Journal of Biomolecular Structure and Dynamics</i> , 2000, 17, 271-275.	2.0	13
41	Probing biopolymers with the atomic force microscope: A review. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2000, 11, 675-683.	1.9	63
42	A Novel Approach for Analyzing the Structure of DNA Modified by Benzo[a]pyrene Diol Epoxide at Single-Molecule Resolution. <i>Chemical Research in Toxicology</i> , 2000, 13, 351-355.	1.7	22
43	DNA Toroids: Stages in Condensation. <i>Biochemistry</i> , 1999, 38, 14069-14076.	1.2	200