

Valeria Levi

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,171
citations

304368

22
h-index

243296

44
g-index

61
all docs

61
docs citations

61
times ranked

2939
citing authors

#	ARTICLE	IF	CITATIONS
1	3-D Particle Tracking in a Two-Photon Microscope: Application to the Study of Molecular Dynamics in Cells. <i>Biophysical Journal</i> , 2005, 88, 2919-2928.	0.2	252
2	Chromatin Dynamics in Interphase Cells Revealed by Tracking in a Two-Photon Excitation Microscope. <i>Biophysical Journal</i> , 2005, 89, 4275-4285.	0.2	211
3	Organelle Transport along Microtubules in <i>Xenopus</i> Melanophores: Evidence for Cooperation between Multiple Motors. <i>Biophysical Journal</i> , 2006, 90, 318-327.	0.2	184
4	Long-Lived Binding of Sox2 to DNA Predicts Cell Fate in the Four-Cell Mouse Embryo. <i>Cell</i> , 2016, 165, 75-87.	13.5	173
5	Exploring dynamics in living cells by tracking single particles. <i>Cell Biochemistry and Biophysics</i> , 2007, 48, 1-15.	0.9	143
6	Live Cell Imaging Unveils Multiple Domain Requirements for In Vivo Dimerization of the Glucocorticoid Receptor. <i>PLoS Biology</i> , 2014, 12, e1001813.	2.6	113
7	Determination of the molecular size of BSA by fluorescence anisotropy. <i>Biochemistry and Molecular Biology Education</i> , 2003, 31, 319-322.	0.5	86
8	Reversible fast-dimerization of bovine serum albumin detected by fluorescence resonance energy transfer. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2002, 1599, 141-148.	1.1	66
9	Unraveling the molecular interactions involved in phase separation of glucocorticoid receptor. <i>BMC Biology</i> , 2020, 18, 59.	1.7	45
10	Insights on Glucocorticoid Receptor Activity Modulation through the Binding of Rigid Steroids. <i>PLoS ONE</i> , 2010, 5, e13279.	1.1	44
11	Imaging lipid lateral organization in membranes with C-laurdan in a confocal microscope. <i>Journal of Lipid Research</i> , 2012, 53, 609-616.	2.0	44
12	Extraction-free protocol combining proteinase K and heat inactivation for detection of SARS-CoV-2 by RT-qPCR. <i>PLoS ONE</i> , 2021, 16, e0247792.	1.1	43
13	Mechanical Properties of Organelles Driven by Microtubule-Dependent Molecular Motors in Living Cells. <i>PLoS ONE</i> , 2011, 6, e18332.	1.1	41
14	Melanosomes Transported by Myosin-V in <i>Xenopus</i> Melanophores Perform Slow 35nm Steps. <i>Biophysical Journal</i> , 2006, 90, L07-L09.	0.2	39
15	Cholesterol modulation of nicotinic acetylcholine receptor surface mobility. <i>European Biophysics Journal</i> , 2010, 39, 213-227.	1.2	39
16	Effects of phosphatidylethanolamine glycation on lipid-protein interactions and membrane protein thermal stability. <i>Biochemical Journal</i> , 2008, 416, 145-152.	1.7	36
17	Mapping the Dynamics of the Glucocorticoid Receptor within the Nuclear Landscape. <i>Scientific Reports</i> , 2017, 7, 6219.	1.6	35
18	Heme oxygenase-1 in the forefront of a multi-molecular network that governs cell-cell contacts and filopodia-induced zippering in prostate cancer. <i>Cell Death and Disease</i> , 2016, 7, e2570-e2570.	2.7	30

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19	Structural Significance of the Plasma Membrane Calcium Pump Oligomerization. <i>Biophysical Journal</i> , 2002, 82, 437-446.	0.2	29
20	Dynamical reorganization of the pluripotency transcription factors Oct4 and Sox2 during early differentiation of embryonic stem cells. <i>Scientific Reports</i> , 2020, 10, 5195.	1.6	28
21	The glucocorticoid receptor interferes with progesterone receptor-dependent genomic regulation in breast cancer cells. <i>Nucleic Acids Research</i> , 2019, 47, 10645-10661.	6.5	26
22	Kat6b Modulates Oct4 and Nanog Binding to Chromatin in Embryonic Stem Cells and Is Required for Efficient Neural Differentiation. <i>Journal of Molecular Biology</i> , 2019, 431, 1148-1159.	2.0	26
23	Lateral Motion and Bending of Microtubules Studied with a New Single-Filament Tracking Routine in Living Cells. <i>Biophysical Journal</i> , 2014, 106, 2625-2635.	0.2	25
24	Anomalous Dynamics of Melanosomes Driven by Myosin-V in <i>Xenopus laevis</i> Melanophores. <i>Biophysical Journal</i> , 2009, 97, 1548-1557.	0.2	23
25	Chromatin dynamics during interphase explored by single-particle tracking. <i>Chromosome Research</i> , 2008, 16, 439-449.	1.0	22
26	Temperature response of luminescent tris(bipyridine)ruthenium(II)-doped silica nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2013, 392, 96-101.	5.0	22
27	Phasing the intranuclear organization of steroid hormone receptors. <i>Biochemical Journal</i> , 2021, 478, 443-461.	1.7	20
28	Oligomerization of the plasma membrane calcium pump involves two regions with different thermal stability. <i>FEBS Letters</i> , 2000, 483, 99-103.	1.3	19
29	Quantitation of Plasma Membrane Calcium Pump Phosphorylated Intermediates by Electrophoresis. <i>Analytical Biochemistry</i> , 2001, 289, 267-273.	1.1	19
30	Apparent stiffness of vimentin intermediate filaments in living cells and its relation with other cytoskeletal polymers. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118726.	1.9	19
31	Active transport in complex media: Relationship between persistence and superdiffusion. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 1026-1032.	1.2	16
32	Exploring the Dynamics of Cell Processes through Simulations of Fluorescence Microscopy Experiments. <i>Biophysical Journal</i> , 2015, 108, 2613-2618.	0.2	16
33	A Two-Stage Model for Lipid Modulation of the Activity of Integral Membrane Proteins. <i>PLoS ONE</i> , 2012, 7, e39255.	1.1	15
34	Exchange of Microtubule Molecular Motors During Melanosome Transport in <i>Xenopus laevis</i> Melanophores is Triggered by Collisions with Intracellular Obstacles. <i>Cell Biochemistry and Biophysics</i> , 2008, 52, 191-201.	0.9	14
35	Detection of Low Quantum Yield Fluorophores and Improved Imaging Times Using Metallic Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2012, 116, 2306-2313.	1.2	14
36	Agonist mobility on supported lipid bilayers affects Fas mediated death response. <i>FEBS Letters</i> , 2015, 589, 3527-3533.	1.3	14

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37	Transport Properties of Melanosomes along Microtubules Interpreted by a Tug-of-War Model with Loose Mechanical Coupling. PLoS ONE, 2012, 7, e43599.	1.1	14
38	Labeling of proteins with fluorescent probes: Photophysical characterization of dansylated bovine serum albumin. Biochemistry and Molecular Biology Education, 2003, 31, 333-336.	0.5	13
39	Quantitative imaging of mammalian transcriptional dynamics: from single cells to whole embryos. BMC Biology, 2016, 14, 115.	1.7	13
40	Diffusion of single dye molecules in hydrated TiO ₂ mesoporous films. Physical Chemistry Chemical Physics, 2017, 19, 26540-26544.	1.3	13
41	Characterization of microtubule buckling in living cells. European Biophysics Journal, 2017, 46, 581-594.	1.2	11
42	Asymmetries in kinesin ϵ 2 and cytoplasmic dynein contributions to melanosome transport. FEBS Letters, 2015, 589, 2763-2768.	1.3	10
43	Mechanical coupling of microtubule-dependent motor teams during peroxisome transport in Drosophila S2 cells. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3178-3189.	1.1	10
44	Nucleus-cytoskeleton communication impacts on OCT4-chromatin interactions in embryonic stem cells. BMC Biology, 2022, 20, 6.	1.7	10
45	Quantitative analysis of membrane protein ϵ amphiphile interactions using resonance energy transfer. Analytical Biochemistry, 2003, 317, 171-179.	1.1	9
46	Mapping the dynamical organization of the cell nucleus through fluorescence correlation spectroscopy. Methods, 2018, 140-141, 10-22.	1.9	8
47	Novel Interplay between p53 and HO-1 in Embryonic Stem Cells. Cells, 2021, 10, 35.	1.8	8
48	When size does matter: organelle size influences the properties of transport mediated by molecular motors. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 5095-5103.	1.1	7
49	Click-based thiol-ene photografting of COOH groups to SiO ₂ nanoparticles: Strategies comparison. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 562, 61-70.	2.3	7
50	Melatonin inhibits glucocorticoid-dependent GR ϵ TIF2 interaction in newborn hamster kidney (BHK) cells. Molecular and Cellular Endocrinology, 2012, 349, 214-221.	1.6	6
51	Dynamics of intracellular processes in live ϵ cell systems unveiled by fluorescence correlation microscopy. IUBMB Life, 2017, 69, 8-15.	1.5	6
52	One-Photon Lithography for High-Quality Lipid Bilayer Micropatterns. Langmuir, 2015, 31, 11943-11950.	1.6	5
53	The intramolecular self-healing strategy applied to near infrared fluorescent aminotricarbocyanines. Dyes and Pigments, 2021, 186, 109040.	2.0	5
54	Extracting the Stepping Dynamics of Molecular Motors in Living Cells from Trajectories of Single Particles. Cell Biochemistry and Biophysics, 2013, 65, 1-11.	0.9	4

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55	Imaging transcription factors dynamics with advanced fluorescence microscopy methods. <i>Mechanisms of Development</i> , 2018, 154, 60-63.	1.7	4
56	Pluripotency transcription factors at the focus: the phase separation paradigm in stem cells. <i>Biochemical Society Transactions</i> , 2021, 49, 2871-2878.	1.6	4
57	SUMO conjugation susceptibility of Akt/protein kinase B affects the expression of the pluripotency transcription factor Nanog in embryonic stem cells. <i>PLoS ONE</i> , 2021, 16, e0254447.	1.1	3
58	Fluorescence correlation spectroscopy reveals the dynamics of kinesins interacting with organelles during microtubule-dependent transport in cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118572.	1.9	2
59	Three-Dimensional Particle Tracking in a Laser Scanning Fluorescence Microscope. , 0, , 1-24.		2
60	Seeing the smallest rotary biomotor. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 230-230.	16.1	0