Valeria Levi

List of Publications by Citations

59 papers	1,675 citations	19 h-index	40 g-index
61 ext. papers	1,978 ext. citations	5.6 avg, IF	4.67 L-index

#	Paper	IF	Citations
59	3-D particle tracking in a two-photon microscope: application to the study of molecular dynamics in cells. *Biophysical Journal*, **2005**, 88, 2919-28	2.9	199
58	Chromatin dynamics in interphase cells revealed by tracking in a two-photon excitation microscope. *Biophysical Journal*, **2005**, 89, 4275-85	2.9	178
57	Organelle transport along microtubules in Xenopus melanophores: evidence for cooperation between multiple motors. *Biophysical Journal*, **2006**, 90, 318-27	2.9	164
56	Long-Lived Binding of Sox2 to DNA Predicts Cell Fate in the Four-Cell Mouse Embryo. *Cell*, **2016**, 165, 75-87	56.2	129
55	Exploring dynamics in living cells by tracking single particles. *Cell Biochemistry and Biophysics*, **2007**, 48, 1-15	3.2	116
54	Live cell imaging unveils multiple domain requirements for in vivo dimerization of the glucocorticoid receptor. *PLoS Biology*, **2014**, 12, e1001813	9.7	94
53	Determination of the molecular size of BSA by fluorescence anisotropy. *Biochemistry and Molecular Biology Education*, **2003**, 31, 319-322	1.3	64
52	Reversible fast-dimerization of bovine serum albumin detected by fluorescence resonance energy transfer. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2002**, 1599, 141-8	4	56
51	Insights on glucocorticoid receptor activity modulation through the binding of rigid steroids. *PLoS ONE*, **2010**, 5, e13279	3.7	38
50	Mechanical properties of organelles driven by microtubule-dependent molecular motors in living cells. *PLoS ONE*, **2011**, 6, e18332	3.7	37
49	Imaging lipid lateral organization in membranes with C-laurdan in a confocal microscope. *Journal of Lipid Research*, **2012**, 53, 609-616	6.3	37
48	Melanosomes transported by myosin-V in Xenopus melanophores perform slow 35 nm steps. *Biophysical Journal*, **2006**, 90, L07-9	2.9	37
47	Effects of phosphatidylethanolamine glycation on lipid-protein interactions and membrane protein thermal stability. *Biochemical Journal*, **2008**, 416, 145-52	3.8	31
46	Cholesterol modulation of nicotinic acetylcholine receptor surface mobility. *European Biophysics Journal*, **2010**, 39, 213-27	1.9	29
45	Structural significance of the plasma membrane calcium pump oligomerization. *Biophysical Journal*, **2002**, 82, 437-46	2.9	25
44	Heme oxygenase-1 in the forefront of a multi-molecular network that governs cell-cell contacts and filopodia-induced zippering in prostate cancer. *Cell Death and Disease*, **2016**, 7, e2570	9.8	23
43	Mapping the Dynamics of the Glucocorticoid Receptor within the Nuclear Landscape. *Scientific Reports*, **2017**, 7, 6219	4.9	22

42	Anomalous dynamics of melanosomes driven by myosin-V in Xenopus laevis melanophores. *Biophysical Journal*, **2009**, 97, 1548-57	2.9	21
41	Chromatin dynamics during interphase explored by single-particle tracking. *Chromosome Research*, **2008**, 16, 439-49	4.4	21
40	Quantitation of plasma membrane calcium pump phosphorylated intermediates by electrophoresis. *Analytical Biochemistry*, **2001**, 289, 267-73	3.1	19
39	Oligomerization of the plasma membrane calcium pump involves two regions with different thermal stability. *FEBS Letters*, **2000**, 483, 99-103	3.8	19
38	Unraveling the molecular interactions involved in phase separation of glucocorticoid receptor. *BMC Biology*, **2020**, 18, 59	7.3	18
37	Lateral motion and bending of microtubules studied with a new single-filament tracking routine in living cells. *Biophysical Journal*, **2014**, 106, 2625-35	2.9	17
36	Temperature response of luminescent tris(bipyridine)ruthenium(II)-doped silica nanoparticles. *Journal of Colloid and Interface Science*, **2013**, 392, 96-101	9.3	16
35	Kat6b Modulates Oct4 and Nanog Binding to Chromatin in Embryonic Stem Cells and Is Required for Efficient Neural Differentiation. *Journal of Molecular Biology*, **2019**, 431, 1148-1159	6.5	15
34	Dynamical reorganization of the pluripotency transcription factors Oct4 and Sox2 during early differentiation of embryonic stem cells. *Scientific Reports*, **2020**, 10, 5195	4.9	14
33	Active transport in complex media: Relationship between persistence and superdiffusion. *Physica A: Statistical Mechanics and Its Applications*, **2011**, 390, 1026-1032	3.3	14
32	Exchange of microtubule molecular motors during melanosome transport in Xenopus laevis melanophores is triggered by collisions with intracellular obstacles. *Cell Biochemistry and Biophysics* , **2008**, 52, 191-201	3.2	14
31	Extraction-free protocol combining proteinase K and heat inactivation for detection of SARS-CoV-2 by RT-qPCR. *PLoS ONE*, **2021**, 16, e0247792	3.7	14
30	The glucocorticoid receptor interferes with progesterone receptor-dependent genomic regulation in breast cancer cells. *Nucleic Acids Research*, **2019**, 47, 10645-10661	20.1	13
29	Exploring the dynamics of cell processes through simulations of fluorescence microscopy experiments. *Biophysical Journal*, **2015**, 108, 2613-8	2.9	13
28	Detection of low quantum yield fluorophores and improved imaging times using metallic nanoparticles. *Journal of Physical Chemistry B*, **2012**, 116, 2306-13	3.4	13
27	A two-stage model for lipid modulation of the activity of integral membrane proteins. *PLoS ONE*, **2012**, 7, e39255	3.7	13
26	Agonist mobility on supported lipid bilayers affects Fas mediated death response. *FEBS Letters*, **2015**, 589, 3527-33	3.8	12
25	Diffusion of single dye molecules in hydrated TiO mesoporous films. *Physical Chemistry Chemical Physics*, **2017**, 19, 26540-26544	3.6	12

24	Transport properties of melanosomes along microtubules interpreted by a tug-of-war model with loose mechanical coupling. *PLoS ONE*, **2012**, 7, e43599	3.7	12
23	Quantitative imaging of mammalian transcriptional dynamics: from single cells to whole embryos. *BMC Biology*, **2016**, 14, 115	7.3	10
22	Labeling of proteins with fluorescent probes: Photophysical characterization of dansylated bovine serum albumin. *Biochemistry and Molecular Biology Education*, **2003**, 31, 333-336	1.3	9
21	Apparent stiffness of vimentin intermediate filaments in living cells and its relation with other cytoskeletal polymers. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2020**, 1867, 118726	4.9	8
20	Asymmetries in kinesin-2 and cytoplasmic dynein contributions to melanosome transport. *FEBS Letters*, **2015**, 589, 2763-8	3.8	7
19	Mechanical coupling of microtubule-dependent motor teams during peroxisome transport in Drosophila S2 cells. *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 3178-3189	4	7
18	When size does matter: organelle size influences the properties of transport mediated by molecular motors. *Biochimica Et Biophysica Acta - General Subjects*, **2013**, 1830, 5095-103	4	6
17	Quantitative analysis of membrane protein-amphiphile interactions using resonance energy transfer. *Analytical Biochemistry*, **2003**, 317, 171-9	3.1	6
16	Click-based thiol-ene photografting of COOH groups to SiO2 nanoparticles: Strategies comparison. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 562, 61-70	5.1	6
15	Phasing the intranuclear organization of steroid hormone receptors. *Biochemical Journal*, **2021**, 478, 443-461	3.8	6
14	Dynamics of intracellular processes in live-cell systems unveiled by fluorescence correlation microscopy. *IUBMB Life*, **2017**, 69, 8-15	4.7	5
13	One-Photon Lithography for High-Quality Lipid Bilayer Micropatterns. *Langmuir*, **2015**, 31, 11943-50	4	5
12	Mapping the dynamical organization of the cell nucleus through fluorescence correlation spectroscopy. *Methods*, **2018**, 140-141, 10-22	4.6	5
11	Melatonin inhibits glucocorticoid-dependent GR-TIF2 interaction in newborn hamster kidney (BHK) cells. *Molecular and Cellular Endocrinology*, **2012**, 349, 214-21	4.4	5
10	Extracting the stepping dynamics of molecular motors in living cells from trajectories of single particles. *Cell Biochemistry and Biophysics*, **2013**, 65, 1-11	3.2	4
9	Novel Interplay between p53 and HO-1 in Embryonic Stem Cells. *Cells*, **2020**, 10,	7.9	4
8	Imaging transcription factors dynamics with advanced fluorescence microscopy methods. *Mechanisms of Development*, **2018**, 154, 60-63	1.7	3
7	Retraction of rod-like mitochondria during microtubule-dependent transport. *Bioscience Reports*, **2018**, 38,	4.1	2

6	The intramolecular self-healing strategy applied to near infrared fluorescent aminotricarbocyanines. *Dyes and Pigments*, **2021**, 186, 109040	4.6	2
5	Three-Dimensional Particle Tracking in a Laser Scanning Fluorescence Microscope1-24		2
4	Characterization of microtubule buckling in living cells. *European Biophysics Journal*, **2017**, 46, 581-594	1.9	1
3	Nucleus-cytoskeleton communication impacts on OCT4-chromatin interactions in embryonic stem cells.. *BMC Biology*, **2022**, 20, 6	7.3	1
2	Fluorescence correlation spectroscopy reveals the dynamics of kinesins interacting with organelles during microtubule-dependent transport in cells. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2020**, 1867, 118572	4.9	1
1	SUMO conjugation susceptibility of Akt/protein kinase B affects the expression of the pluripotency transcription factor Nanog in embryonic stem cells. *PLoS ONE*, **2021**, 16, e0254447	3.7	1