

Ziya Kalay

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9145697/publications.pdf>

Version: 2024-02-01

18
papers

910
citations

1162889

8
h-index

1058333

14
g-index

21
all docs

21
docs citations

21
times ranked

1332
citing authors

#	ARTICLE	IF	CITATIONS
1	Confined diffusion of transmembrane proteins and lipids induced by the same actin meshwork lining the plasma membrane. <i>Molecular Biology of the Cell</i> , 2016, 27, 1101-1119.	0.9	165
2	Kinetics of self-assembly via facilitated diffusion: Formation of the transcription complex. <i>Physical Review E</i> , 2015, 92, 042716.	0.8	2
3	Ultrafast Diffusion of a Fluorescent Cholesterol Analog in Compartmentalized Plasma Membranes. <i>Traffic</i> , 2014, 15, 583-612.	1.3	77
4	Distribution of population-averaged observables in stochastic gene expression. <i>Physical Review E</i> , 2014, 89, 012715.	0.8	0
5	Lateral diffusion in a discrete fluid membrane with immobile particles. <i>Physical Review E</i> , 2014, 89, 022724.	0.8	20
6	Molecular Dynamics and Concentration in Raft and Boundary Domains in Actin-Depleted Plasma Membrane Vesicles as Revealed by Single-Molecule Imaging. <i>Biophysical Journal</i> , 2013, 104, 191a.	0.2	0
7	Impact of Molecular Clustering inside Nanopores on Desorption Processes. <i>Journal of the American Chemical Society</i> , 2013, 135, 4608-4611.	6.6	28
8	Observing the rotational diffusion of nanodiamonds with arbitrary nitrogen vacancy center configurations. <i>Physical Review B</i> , 2013, 88, .	1.1	6
9	Effects of confinement on the statistics of encounter times: exact analytical results for random walks in a partitioned lattice. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 215001.	0.7	4
10	Exact Green's functions for a Brownian particle reversibly binding to a fixed target in a finite, two-dimensional, circular domain. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 235001.	0.7	1
11	Dynamic Organizing Principles of the Plasma Membrane that Regulate Signal Transduction: Commemorating the Fortieth Anniversary of Singer and Nicolson's Fluid-Mosaic Model. <i>Annual Review of Cell and Developmental Biology</i> , 2012, 28, 215-250.	4.0	394
12	Reaction kinetics in the plasma membrane. <i>Biotechnology Journal</i> , 2012, 7, 745-752.	1.8	6
13	Archipelago architecture of the focal adhesion: Membrane molecules freely enter and exit from the focal adhesion zone. <i>Cytoskeleton</i> , 2012, 69, 380-392.	1.0	50
14	Confining Domains Lead to Reaction Bursts: Reaction Kinetics in the Plasma Membrane. <i>PLoS ONE</i> , 2012, 7, e32948.	1.1	48
15	Fundamental and functional aspects of mesoscopic architectures with examples in physics, cell biology, and chemistry. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2011, 46, 310-326.	2.3	5
16	Porous Coordination Polymer Hybrid Device with Quartz Oscillator: Effect of Crystal Size on Sorption Kinetics. <i>Journal of the American Chemical Society</i> , 2011, 133, 11932-11935.	6.6	98
17	3A1458 Anomalous rapid diffusion of GPI-anchored proteins as detected by high-speed single fluorescent-molecule tracking(3A Biol & Arti memb 4: Transport, Signal transduction,The 49th) Tj ETQq1 1 0.034314 rgBT /Over	0.8	1
18	2K1512 Enhanced confinement of activated EGF receptor in the plasma membrane compartments revealed by ultra high-speed single-molecule tracking(Cell biology 2,The 48th Annual Meeting of the) Tj ETQq0 0 0 rgBT /Overdock 10 Tf	0.0	0