

Irep GÃ¶zen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4971197/publications.pdf>

Version: 2024-02-01

39
papers

551
citations

759233

12
h-index

677142

22
g-index

51
all docs

51
docs citations

51
times ranked

601
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractal avalanche ruptures in biological membranes. <i>Nature Materials</i> , 2010, 9, 908-912.	27.5	48
2	Protrusive growth and periodic contractile motion in surface-adhered vesicles induced by Ca ²⁺ -gradients. <i>Soft Matter</i> , 2010, 6, 268-272.	2.7	48
3	Protocells: Milestones and Recent Advances. <i>Small</i> , 2022, 18, e2106624.	10.0	45
4	Deformation of a single mouse oocyte in a constricted microfluidic channel. <i>Microfluidics and Nanofluidics</i> , 2015, 19, 883-890.	2.2	44
5	Bio-Inspired Cryo-Preserves Red Blood Cell Phenotype and Function During Nanoliter Vitrification. <i>Advanced Materials</i> , 2014, 26, 5815-5822.	21.0	39
6	Instrumental Methods to Characterize Molecular Phospholipid Films on Solid Supports. <i>Analytical Chemistry</i> , 2012, 84, 822-838.	6.5	32
7	A Microfluidic Diluter Based on Pulse Width Flow Modulation. <i>Analytical Chemistry</i> , 2009, 81, 5549-5556.	6.5	30
8	Nanotube-Mediated Path to Protocell Formation. <i>ACS Nano</i> , 2019, 13, 6867-6878.	14.6	26
9	Lab on a Biomembrane: Rapid prototyping and manipulation of 2D fluidic lipid bilayer circuits. <i>Scientific Reports</i> , 2013, 3, 2743.	3.3	24
10	Peridynamic Modeling of Ruptures in Biomembranes. <i>PLoS ONE</i> , 2016, 11, e0165947.	2.5	22
11	Subcompartmentalization and Pseudo-Division of Model Protocells. <i>Small</i> , 2021, 17, e2005320.	10.0	20
12	Calcium-ion-controlled nanoparticle-induced tubulation in supported flat phospholipid vesicles. <i>Soft Matter</i> , 2011, 7, 9706.	2.7	18
13	Formation and dynamics of endoplasmic reticulum-like lipid nanotube networks. <i>Biomaterials Science</i> , 2017, 5, 1256-1264.	5.4	16
14	Styrene maleic acid copolymer induces pores in biomembranes. <i>Soft Matter</i> , 2019, 15, 7934-7944.	2.7	14
15	A Hypothesis for Protocell Division on the Early Earth. <i>ACS Nano</i> , 2019, 13, 10869-10871.	14.6	13
16	Thermal migration of molecular lipid films as a contactless fabrication strategy for lipid nanotube networks. <i>Lab on A Chip</i> , 2013, 13, 3822.	6.0	12
17	Repair of large area pores in supported double bilayers. <i>Soft Matter</i> , 2013, 9, 2787.	2.7	11
18	Molecular Lipid Films on Microengineering Materials. <i>Langmuir</i> , 2019, 35, 10286-10298.	3.5	11

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19	Rapid Growth and Fusion of Protocells in Surface-Adhered Membrane Networks. <i>Small</i> , 2020, 16, e2002529.	10.0	11
20	Evidence for membrane flow through pores in stacked phospholipid membranes. <i>Soft Matter</i> , 2012, 8, 6220.	2.7	9
21	A microfluidics-integrated impedance/surface acoustic resonance tandem sensor. <i>Sensing and Bio-Sensing Research</i> , 2019, 25, 100291.	4.2	8
22	Biological lipid nanotubes and their potential role in evolution. <i>European Physical Journal: Special Topics</i> , 2020, 229, 2843-2862.	2.6	8
23	Did Solid Surfaces Enable the Origin of Life?. <i>Life</i> , 2021, 11, 795.	2.4	5
24	Spontaneous Formation and Rearrangement of Artificial Lipid Nanotube Networks as a Bottom-Up Model for Endoplasmic Reticulum. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	4
25	Lipid nanotube networks: Biomimetic Cell-to-Cell Communication and Soft-Matter Technology. <i>Nanofabrication</i> , 2015, 2, .	1.1	3
26	A cellular automaton for modeling non-trivial biomembrane ruptures. <i>Soft Matter</i> , 2019, 15, 4178-4186.	2.7	3
27	Mixed fatty acid-phospholipid protocell networks. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26948-26954.	2.8	3
28	Spontaneous Formation of Prebiotic Compartment Colonies on Hadean Earth and Pre-Noachian Mars**. <i>ChemSystemsChem</i> , 2022, 4, .	2.6	3
29	Effect of daylight on regrowth of bacteria in anaerobically digested sludge. <i>Water Science and Technology</i> , 2010, 62, 364-369.	2.5	2
30	Active colloidal particles in emulsion droplets: a model system for the cytoplasm. <i>European Physical Journal: Special Topics</i> , 2019, 227, 2413-2424.	2.6	2
31	Transport among protocells <i>via</i> tunneling nanotubes. <i>Nanoscale</i> , 2022, 14, 10418-10427.	5.6	2
32	Microfluidic technology for investigation of protein function in single adherent cells. <i>Methods in Enzymology</i> , 2019, 628, 145-172.	1.0	1
33	Manipulation of Lipid Membranes with Thermal Stimuli. <i>Methods in Molecular Biology</i> , 2022, 2402, 209-225.	0.9	1
34	Single-Cell Analysis with the BioPen. , 2018, , 187-219.		0
35	The Multifunctional Pipette. , 2018, , 155-185.		0
36	Protocells: Rapid Growth and Fusion of Protocells in Surface-Adhered Membrane Networks (Small) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 5	10.0	0

#	ARTICLE	IF	CITATIONS
37	Protocells: Subcompartmentalization and Pseudo-Division of Model Protocells (Small 2/2021). Small, 2021, 17, 2170007.	10.0	0
38	Spontaneous Formation of Prebiotic Compartment Colonies on Hadean Earth and Pre-Noachian Mars. ChemSystemsChem, 2022, 4, .	2.6	0
39	Protocells: Milestones and Recent Advances (Small 18/2022). Small, 2022, 18, .	10.0	0