# Irep GÃ¶zen

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 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 | Manipulation of Lipid Membranes with Thermal Stimuli. Methods in Molecular Biology, 2022, 2402, 209-225. | 0.9 | 1 |
| 2 | Spontaneous Formation of Prebiotic Compartment Colonies on Hadean Earth and Preâ€Noachian Mars**. ChemSystemsChem, 2022, 4, . | 2.6 | 3 |
| 3 | Protocells: Milestones and Recent Advances. Small, 2022, 18, e2106624. | 10.0 | 45 |
| 4 | Spontaneous Formation of Prebiotic Compartment Colonies on Hadean Earth and Preâ€Noachian Mars. ChemSystemsChem, 2022, 4, . | 2.6 | 0 |
| 5 | Protocells: Milestones and Recent Advances (Small 18/2022). Small, 2022, 18, . | 10.0 | 0 |
| 6 | Transport among protocells via tunneling nanotubes. Nanoscale, 2022, 14, 10418-10427. | 5.6 | 2 |
| 7 | Subcompartmentalization and Pseudoâ€Division of Model Protocells. Small, 2021, 17, e2005320. | 10.0 | 20 |
| 8 | Did Solid Surfaces Enable the Origin of Life?. Life, 2021, 11, 795. | 2.4 | 5 |
| 9 | Protocells: Subcompartmentalization and Pseudoâ€Division of Model Protocells (Small 2/2021). Small, 2021, 17, 2170007. | 10.0 | 0 |
| 10 | Mixed fatty acid-phospholipid protocell networks. Physical Chemistry Chemical Physics, 2021, 23, 26948-26954. | 2.8 | 3 |
| 11 | Protocells: Rapid Growth and Fusion of Protocells in Surfaceâ€Adhered Membrane Networks (Small) Tj ETQq1 1 0.784314 rgBT /Overlock | 10.0 | 0 |
| 12 | Biological lipid nanotubes and their potential role in evolution. European Physical Journal: Special Topics, 2020, 229, 2843-2862. | 2.6 | 8 |
| 13 | Rapid Growth and Fusion of Protocells in Surfaceâ€Adhered Membrane Networks. Small, 2020, 16, e2002529. | 10.0 | 11 |
| 14 | Molecular Lipid Films on Microengineering Materials. Langmuir, 2019, 35, 10286-10298. | 3.5 | 11 |
| 15 | A microfluidics-integrated impedance/surface acoustic resonance tandem sensor. Sensing and Bio-Sensing Research, 2019, 25, 100291. | 4.2 | 8 |
| 16 | Microfluidic technology for investigation of protein function in single adherent cells. Methods in Enzymology, 2019, 628, 145-172. | 1.0 | 1 |
| 17 | A Hypothesis for Protocell Division on the Early Earth. ACS Nano, 2019, 13, 10869-10871. | 14.6 | 13 |
| 18 | Nanotube-Mediated Path to Protocell Formation. ACS Nano, 2019, 13, 6867-6878. | 14.6 | 26 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A cellular automaton for modeling non-trivial biomembrane ruptures. Soft Matter, 2019, 15, 4178-4186. | 2.7 | 3 |
| 20 | Active colloidal particles in emulsion droplets: a model system for the cytoplasm. European Physical Journal: Special Topics, 2019, 227, 2413-2424. | 2.6 | 2 |
| 21 | Spontaneous Formation and Rearrangement of Artificial Lipid Nanotube Networks as a Bottom-Up Model for Endoplasmic Reticulum. Journal of Visualized Experiments, 2019, , . | 0.3 | 4 |
| 22 | Styrene maleic acid copolymer induces pores in biomembranes. Soft Matter, 2019, 15, 7934-7944. | 2.7 | 14 |
| 23 | Single-Cell Analysis with the BioPen. , 2018, , 187-219. | | 0 |
| 24 | The Multifunctional Pipette. , 2018, , 155-185. | | 0 |
| 25 | Formation and dynamics of endoplasmic reticulum-like lipid nanotube networks. Biomaterials Science, 2017, 5, 1256-1264. | 5.4 | 16 |
| 26 | Peridynamic Modeling of Ruptures in Biomembranes. PLoS ONE, 2016, 11, e0165947. | 2.5 | 22 |
| 27 | Lipid nanotube networks: Biomimetic Cell-to-Cell Communication and Soft-Matter Technology. Nanofabrication, 2015, 2, . | 1.1 | 3 |
| 28 | Deformation of a single mouse oocyte in a constricted microfluidic channel. Microfluidics and Nanofluidics, 2015, 19, 883-890. | 2.2 | 44 |
| 29 | Bioâ€Inspired Cryoâ€Ink Preserves Red Blood Cell Phenotype and Function During Nanoliter Vitrification. Advanced Materials, 2014, 26, 5815-5822. | 21.0 | 39 |
| 30 | Thermal migration of molecular lipid films as a contactless fabrication strategy for lipid nanotube networks. Lab on A Chip, 2013, 13, 3822. | 6.0 | 12 |
| 31 | Repair of large area pores in supported double bilayers. Soft Matter, 2013, 9, 2787. | 2.7 | 11 |
| 32 | Lab on a Biomembrane: Rapid prototyping and manipulation of 2D fluidic lipid bilayer circuits. Scientific Reports, 2013, 3, 2743. | 3.3 | 24 |
| 33 | Evidence for membrane flow through pores in stacked phospholipid membranes. Soft Matter, 2012, 8, 6220. | 2.7 | 9 |
| 34 | Instrumental Methods to Characterize Molecular Phospholipid Films on Solid Supports. Analytical Chemistry, 2012, 84, 822-838. | 6.5 | 32 |
| 35 | Calcium-ion-controlled nanoparticle-induced tubulation in supported flat phospholipid vesicles. Soft Matter, 2011, 7, 9706. | 2.7 | 18 |
| 36 | Fractal avalanche ruptures in biological membranes. Nature Materials, 2010, 9, 908-912. | 27.5 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Effect of daylight on regrowth of bacteria in anaerobically digested sludge. Water Science and Technology, 2010, 62, 364-369. | 2.5 | 2 |
| 38 | Protrusive growth and periodic contractile motion in surface-adhered vesicles induced by Ca2+-gradients. Soft Matter, 2010, 6, 268-272. | 2.7 | 48 |
| 39 | A Microfluidic Diluter Based on Pulse Width Flow Modulation. Analytical Chemistry, 2009, 81, 5549-5556. | 6.5 | 30 |