

Seyed R Tabaei

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,321
citations

411340

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388640

36
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citing authors

#	ARTICLE	IF	CITATIONS
1	Fastest Resonance Energy Transfer Nanoplatform Based on Recognition-Induced Fusion/Fission of DNA Mixed Micelles for Nucleic Acid Sensing. <i>ACS Nano</i> , 2021, 15, 8517-8524.	7.3	14
2	Hybrid vesicles as intracellular reactive oxygen species and nitric oxide generators. <i>Nanoscale</i> , 2019, 11, 11530-11541.	2.8	18
3	Hybrid Biomimetic Interfaces Integrating Supported Lipid Bilayers with Decellularized Extracellular Matrix Components. <i>Langmuir</i> , 2018, 34, 3507-3516.	1.6	10
4	Effect of Glucose on the Mobility of Membrane-Adhering Liposomes. <i>Langmuir</i> , 2018, 34, 503-511.	1.6	4
5	A Numerical Study on the Effect of Particle Surface Coverage on the Quartz Crystal Microbalance Response. <i>Analytical Chemistry</i> , 2018, 90, 2238-2245.	3.2	28
6	Cell Adhesion: Dynamic Cellular Interactions with Extracellular Matrix Triggered by Biomechanical Tuning of Low Rrigidity, Supported Lipid Membranes (<i>Adv. Healthcare Mater.</i> 10/2017). <i>Advanced Healthcare Materials</i> , 2017, 6, .	3.9	1
7	Dynamic Cellular Interactions with Extracellular Matrix Triggered by Biomechanical Tuning of Low Rrigidity, Supported Lipid Membranes. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700243.	3.9	21
8	A model derived from hydrodynamic simulations for extracting the size of spherical particles from the quartz crystal microbalance. <i>Analyst</i> , The, 2017, 142, 3370-3379.	1.7	26
9	Quartz Crystal Microbalance Model for Quantitatively Probing the Deformation of Adsorbed Particles at Low Surface Coverage. <i>Analytical Chemistry</i> , 2017, 89, 11711-11718.	3.2	26
10	Optimizing the Performance of Supported Lipid Bilayers as Cell Culture Platforms Based on Extracellular Matrix Functionalization. <i>ACS Omega</i> , 2017, 2, 2395-2404.	1.6	23
11	Spheroid Formation of Hepatocarcinoma Cells in Microwells: Experiments and Monte Carlo Simulations. <i>PLoS ONE</i> , 2016, 11, e0161915.	1.1	21
12	Particle Tracking: Probing Membrane Viscosity and Interleaflet Friction of Supported Lipid Bilayers by Tracking Electrostatically Adsorbed, Nano-Sized Vesicles (<i>Small</i> 46/2016). <i>Small</i> , 2016, 12, 6304-6304.	5.2	0
13	Brownian Dynamics of Electrostatically Adhering Small Vesicles to a Membrane Surface Induces Domains and Probes Viscosity. <i>Langmuir</i> , 2016, 32, 5445-5450.	1.6	8
14	Controlling the Formation of Phospholipid Monolayer, Bilayer, and Intact Vesicle Layer on Graphene. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11875-11880.	4.0	37
15	Multistep Compositional Remodeling of Supported Lipid Membranes by Interfacially Active Phosphatidylinositol Kinases. <i>Analytical Chemistry</i> , 2016, 88, 5042-5045.	3.2	11
16	Hydrodynamic Propulsion of Liposomes Electrostatically Attracted to a Lipid Membrane Reveals Size-Dependent Conformational Changes. <i>ACS Nano</i> , 2016, 10, 8812-8820.	7.3	12
17	Probing Membrane Viscosity and Interleaflet Friction of Supported Lipid Bilayers by Tracking Electrostatically Adsorbed, Nano-Sized Vesicles. <i>Small</i> , 2016, 12, 6338-6344.	5.2	10
18	A phenomenological model of the solvent-assisted lipid bilayer formation method. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 24157-24163.	1.3	19

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19	High-performance 3D printing of hydrogels by water-dispersible photoinitiator nanoparticles. <i>Science Advances</i> , 2016, 2, e1501381.	4.7	191
20	Fabrication of Inverted Colloidal Crystal Poly(ethylene glycol) Scaffold: A Three-dimensional Cell Culture Platform for Liver Tissue Engineering. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	10
21	Size-dependent, stochastic nature of lipid exchange between nano-vesicles and model membranes. <i>Nanoscale</i> , 2016, 8, 13513-13520.	2.8	9
22	Supported lipid bilayer repair mediated by AH peptide. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3040-3047.	1.3	14
23	Cholesterol-Enriched Domain Formation Induced by Viral-Encoded, Membrane-Active Amphipathic Peptide. <i>Biophysical Journal</i> , 2016, 110, 176-187.	0.2	20
24	Antiviral Agents: Correlation between Membrane Partitioning and Functional Activity in a Single Lipid Vesicle Assay Establishes Design Guidelines for Antiviral Peptides (Small 20/2015). <i>Small</i> , 2015, 11, 2464-2464.	5.2	0
25	Biomembrane Fabrication by the Solvent-assisted Lipid Bilayer (SALB) Method. <i>Journal of Visualized Experiments</i> , 2015, , .	0.2	15
26	Membrane attack complex formation on a supported lipid bilayer: initial steps towards a CARPA predictor nanodevice. <i>European Journal of Nanomedicine</i> , 2015, 7, .	0.6	8
27	Spatiotemporal dynamics of solvent-assisted lipid bilayer formation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 31145-31151.	1.3	11
28	Solvent-Assisted Lipid Self-Assembly at Hydrophilic Surfaces: Factors Influencing the Formation of Supported Membranes. <i>Langmuir</i> , 2015, 31, 3125-3134.	1.6	66
29	Self-Assembly Formation of Lipid Bilayer Coatings on Bare Aluminum Oxide: Overcoming the Force of Interfacial Water. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 959-968.	4.0	68
30	Correlation between Membrane Partitioning and Functional Activity in a Single Lipid Vesicle Assay Establishes Design Guidelines for Antiviral Peptides. <i>Small</i> , 2015, 11, 2372-2379.	5.2	30
31	Lamellar sheet exfoliation of single lipid vesicles by a membrane-active peptide. <i>Chemical Communications</i> , 2015, 51, 10272-10275.	2.2	8
32	Fabrication of charged membranes by the solvent-assisted lipid bilayer (SALB) formation method on SiO ₂ and Al ₂ O ₃ . <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 11546-11552.	1.3	30
33	Hydrolysis of a Lipid Membrane by Single Enzyme Molecules: Accurate Determination of Kinetic Parameters. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1022-1026.	7.2	20
34	Observation of Stripe Superstructure in the \hat{I}^2 -Two-Phase Coexistence Region of Cholesterol-Phospholipid Mixtures in Supported Membranes. <i>Journal of the American Chemical Society</i> , 2014, 136, 16962-16965.	6.6	27
35	Formation of Cholesterol-Rich Supported Membranes Using Solvent-Assisted Lipid Self-Assembly. <i>Langmuir</i> , 2014, 30, 13345-13352.	1.6	53
36	Solvent-Assisted Lipid Bilayer Formation on Silicon Dioxide and Gold. <i>Langmuir</i> , 2014, 30, 10363-10373.	1.6	134

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37	Single Lipid Vesicle Assay for Characterizing Single-Enzyme Kinetics of Phospholipid Hydrolysis in a Complex Biological Fluid. <i>Journal of the American Chemical Society</i> , 2013, 135, 14151-14158.	6.6	30
38	Single Vesicle Analysis Reveals Nanoscale Membrane Curvature Selective Pore Formation in Lipid Membranes by an Antiviral α -Helical Peptide. <i>Nano Letters</i> , 2012, 12, 5719-5725.	4.5	56
39	Solute transport on the sub 100 ms scale across the lipid bilayer membrane of individual proteoliposomes. <i>Lab on A Chip</i> , 2012, 12, 4635.	3.1	15
40	Refractive-Index-Based Screening of Membrane-Protein-Mediated Transfer across Biological Membranes. <i>Biophysical Journal</i> , 2010, 99, 124-133.	0.2	35
41	Self-assembly formation of multiple DNA-tethered lipid bilayers. <i>Journal of Structural Biology</i> , 2009, 168, 200-206.	1.3	39
42	Fluorescence Blinking, Exciton Dynamics, and Energy Transfer Domains in Single Conjugated Polymer Chains. <i>Journal of the American Chemical Society</i> , 2008, 130, 7042-7051.	6.6	123
43	Comparative assessment of the efficiencies of gas sparging and back-flushing to improve yeast microfiltration using tubular ceramic membranes. <i>Desalination</i> , 2007, 217, 93-99.	4.0	14