

Jeffrey W Schertzer

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,222
citations

471509

17
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

1604
citing authors

#	ARTICLE	IF	CITATIONS
1	An integrated microfluidic platform to fabricate single-micrometer asymmetric giant unilamellar vesicles (GUVs) using dielectrophoretic separation of microemulsions. <i>Biomicrofluidics</i> , 2021, 15, 024112.	2.4	3
2	<i>Pseudomonas</i> Quinolone Signal-Induced Outer Membrane Vesicles Enhance Biofilm Dispersion in <i>Pseudomonas aeruginosa</i> . <i>MSphere</i> , 2020, 5, .	2.9	47
3	Characteristic Conformations of <i>Pseudomonas</i> Quinolone Signal Interacting with Bacterial Outer Membrane. <i>Biophysical Journal</i> , 2019, 116, 20a.	0.5	2
4	Dewetting-induced formation and mechanical properties of synthetic bacterial outer membrane models (GUVs) with controlled inner-leaflet lipid composition. <i>Soft Matter</i> , 2019, 15, 3938-3948.	2.7	19
5	Dewetting-Induced Formation of Bacterial Model Membranes using Submicron Shell Double Emulsions. <i>Biophysical Journal</i> , 2019, 116, 226a.	0.5	1
6	Analysis of <i>Pseudomonas aeruginosa</i> biofilm membrane vesicles supports multiple mechanisms of biogenesis. <i>PLoS ONE</i> , 2019, 14, e0212275.	2.5	92
7	Molecular conformation affects the interaction of the <i>Pseudomonas</i> quinolone signal with the bacterial outer membrane. <i>Journal of Biological Chemistry</i> , 2019, 294, 1089-1094.	3.4	19
8	Genomic and Phenotypic Diversity among Ten Laboratory Isolates of <i>Pseudomonas aeruginosa</i> PAO1. <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	56
9	Molecular dynamics modeling of <i>Pseudomonas aeruginosa</i> outer membranes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 23635-23648.	2.8	27
10	Reciprocal cross-species induction of outer membrane vesicle biogenesis via secreted factors. <i>Scientific Reports</i> , 2018, 8, 9873.	3.3	32
11	Membrane Distribution of the <i>Pseudomonas</i> Quinolone Signal Modulates Outer Membrane Vesicle Production in <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2017, 8, .	4.1	91
12	Membrane mechanical properties of synthetic asymmetric phospholipid vesicles. <i>Soft Matter</i> , 2016, 12, 7521-7528.	2.7	56
13	Continuous microfluidic fabrication of synthetic asymmetric vesicles. <i>Lab on A Chip</i> , 2015, 15, 3591-3599.	6.0	46
14	Detection of outer membrane vesicles in <i>Synechocystis</i> PCC 6803. <i>FEMS Microbiology Letters</i> , 2015, 362, fmv163.	1.8	18
15	Removal of excess interfacial material from surface-modified emulsions using a microfluidic device with triangular post geometry. <i>Microfluidics and Nanofluidics</i> , 2015, 18, 1233-1246.	2.2	11
16	Understanding and Exploiting Bacterial Outer Membrane Vesicles. , 2015, , 217-250.		9
17	Bacterial Outer Membrane Vesicles in Trafficking, Communication and the Host-Pathogen Interaction. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2013, 23, 118-130.	1.0	80
18	A Bilayer-Couple Model of Bacterial Outer Membrane Vesicle Biogenesis. <i>MBio</i> , 2012, 3, .	4.1	150

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19	Microbial Communication Superhighways. <i>Cell</i> , 2011, 144, 469-470.	28.9	14
20	Quantifying <i>Pseudomonas aeruginosa</i> Quinolones and Examining Their Interactions with Lipids. <i>Methods in Molecular Biology</i> , 2011, 692, 207-217.	0.9	20
21	Oxygen levels rapidly modulate <i>Pseudomonas aeruginosa</i> social behaviours via substrate limitation of PqsH. <i>Molecular Microbiology</i> , 2010, 77, 1527-1538.	2.5	133
22	More than a signal: non-signaling properties of quorum sensing molecules. <i>Trends in Microbiology</i> , 2009, 17, 189-195.	7.7	123
23	Use of CDP-Glycerol as an Alternate Acceptor for the Teichoic Acid Polymerase Reveals that Membrane Association Regulates Polymer Length. <i>Journal of Bacteriology</i> , 2008, 190, 6940-6947.	2.2	20
24	Two Conserved Histidine Residues Are Critical to the Function of the TagF-like Family of Enzymes. <i>Journal of Biological Chemistry</i> , 2005, 280, 36683-36690.	3.4	19
25	Teichoic Acid Is an Essential Polymer in <i>Bacillus subtilis</i> That Is Functionally Distinct from Teichuronic Acid. <i>Journal of Bacteriology</i> , 2004, 186, 7865-7873.	2.2	90
26	Purified, Recombinant TagF Protein from <i>Bacillus subtilis</i> 168 Catalyzes the Polymerization of Glycerol Phosphate onto a Membrane Acceptor in Vitro. <i>Journal of Biological Chemistry</i> , 2003, 278, 18002-18007.	3.4	42