Jeffrey W Schertzer

List of Publications by Year
in descending order

26	1,222	471509 17	580821 25
papers	citations	h-index	g-index

27	27	27	1604
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Bilayer-Couple Model of Bacterial Outer Membrane Vesicle Biogenesis. MBio, 2012, 3, .	4.1	150
2	Oxygen levels rapidly modulate Pseudomonas aeruginosa social behaviours via substrate limitation of PqsH. Molecular Microbiology, 2010, 77, 1527-1538.	2.5	133
3	More than a signal: non-signaling properties of quorum sensing molecules. Trends in Microbiology, 2009, 17, 189-195.	7.7	123
4	Analysis of Pseudomonas aeruginosa biofilm membrane vesicles supports multiple mechanisms of biogenesis. PLoS ONE, 2019, 14, e0212275.	2.5	92
5	Membrane Distribution of the Pseudomonas Quinolone Signal Modulates Outer Membrane Vesicle Production in PseudomonasÂaeruginosa. MBio, 2017, 8, .	4.1	91
6	Teichoic Acid Is an Essential Polymer in Bacillus subtilis That Is Functionally Distinct from Teichuronic Acid. Journal of Bacteriology, 2004, 186, 7865-7873.	2.2	90
7	Bacterial Outer Membrane Vesicles in Trafficking, Communication and the Host-Pathogen Interaction. Journal of Molecular Microbiology and Biotechnology, 2013, 23, 118-130.	1.0	80
8	Membrane mechanical properties of synthetic asymmetric phospholipid vesicles. Soft Matter, 2016, 12, 7521-7528.	2.7	56
9	Genomic and Phenotypic Diversity among Ten Laboratory Isolates of Pseudomonas aeruginosa PAO1. Journal of Bacteriology, 2019, 201, .	2.2	56
10	Pseudomonas Quinolone Signal-Induced Outer Membrane Vesicles Enhance Biofilm Dispersion in Pseudomonas aeruginosa. MSphere, 2020, 5, .	2.9	47
11	Continuous microfluidic fabrication of synthetic asymmetric vesicles. Lab on A Chip, 2015, 15, 3591-3599.	6.0	46
12	Purified, Recombinant TagF Protein from Bacillus subtilis 168 Catalyzes the Polymerization of Glycerol Phosphate onto a Membrane Acceptor in Vitro. Journal of Biological Chemistry, 2003, 278, 18002-18007.	3.4	42
13	Reciprocal cross-species induction of outer membrane vesicle biogenesis via secreted factors. Scientific Reports, 2018, 8, 9873.	3.3	32
14	Molecular dynamics modeling ofPseudomonas aeruginosaouter membranes. Physical Chemistry Chemical Physics, 2018, 20, 23635-23648.	2.8	27
15	Use of CDP-Glycerol as an Alternate Acceptor for the Teichoic Acid Polymerase Reveals that Membrane Association Regulates Polymer Length. Journal of Bacteriology, 2008, 190, 6940-6947.	2.2	20
16	Quantifying Pseudomonas aeruginosa Quinolones and Examining Their Interactions with Lipids. Methods in Molecular Biology, 2011, 692, 207-217.	0.9	20
17	Two Conserved Histidine Residues Are Critical to the Function of the TagF-like Family of Enzymes. Journal of Biological Chemistry, 2005, 280, 36683-36690.	3.4	19
18	Dewetting-induced formation and mechanical properties of synthetic bacterial outer membrane models (GUVs) with controlled inner-leaflet lipid composition. Soft Matter, 2019, 15, 3938-3948.	2.7	19

#	Article	IF	Citations
19	Molecular conformation affects the interaction of the Pseudomonas quinolone signal with the bacterial outer membrane. Journal of Biological Chemistry, 2019, 294, 1089-1094.	3.4	19
20	Detection of outer membrane vesicles inSynechocystisPCC 6803. FEMS Microbiology Letters, 2015, 362, fnv163.	1.8	18
21	Microbial Communication Superhighways. Cell, 2011, 144, 469-470.	28.9	14
22	Removal of excess interfacial material from surface-modified emulsions using a microfluidic device with triangular post geometry. Microfluidics and Nanofluidics, 2015, 18, 1233-1246.	2.2	11
23	Understanding and Exploiting Bacterial Outer Membrane Vesicles. , 2015, , 217-250.		9
24	An integrated microfluidic platform to fabricate single-micrometer asymmetric giant unilamellar vesicles (GUVs) using dielectrophoretic separation of microemulsions. Biomicrofluidics, 2021, 15, 024112.	2.4	3
25	Characteristic Conformations of Pseudomonas Quinolone Signal Interacting with Bacterial Outer Membrane. Biophysical Journal, 2019, 116, 20a.	0.5	2
26	Dewetting-Induced Formation of Bacterial Model Membranes using Submicron Shell Double Emulsions. Biophysical Journal, 2019, 116, 226a.	0.5	1