Tom J Zajdel

List of Publications by Year
in descending order

16 papers	382 citations	1307543 7 h-index	1474186 9 g-index
24 all docs	24 docs citations	24 times ranked	507 citing authors

#	Article	IF	Citations
1	The Mtr Pathway of *Shewanella oneidensis* MR-1 Couples Substrate Utilization to Current Production in *Escherichia coli*. ChemElectroChem, 2014, 1, 1874-1879.	3.4	78
2	PEDOT:PSS-based Multilayer Bacterial-Composite Films for Bioelectronics. Scientific Reports, 2018, 8, 15293.	3.3	69
3	SCHEEPDOG: Programming Electric Cues to Dynamically Herd Large-Scale Cell Migration. Cell Systems, 2020, 10, 506-514.e3.	6.2	47
4	Modifying Cytochrome *c* Maturation Can Increase the Bioelectronic Performance of Engineered *Escherichia coli*. ACS Synthetic Biology, 2020, 9, 115-124.	3.8	45
5	A Study of the Fourth-Order Small Perturbation Method for Scattering From Two-Layer Rough Surfaces. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3374-3382.	6.3	41
6	Size-dependent patterns of cell proliferation and migration in freely-expanding epithelia. ELife, 2020, 9, .	6.0	38
7	Come together: On-chip bioelectric wound closure. Biosensors and Bioelectronics, 2021, 192, 113479.	10.1	20
8	Short-term bioelectric stimulation of collective cell migration in tissues reprograms long-term supracellular dynamics. , 2022, 1, pgac002.		9
9	A miniaturized monitoring system for electrochemical biosensing using Shewanella oneidensis in environmental applications. , 2015, 2015, 7518-21.		6
10	PVP1—The People's Ventilator Project: A fully open, low-cost, pressure-controlled ventilator research platform compatible with adult and pediatric uses. PLoS ONE, 2022, 17, e0266810.	2.5	5
11	Teaching design with a tinkering-driven robot hack. , 2016, , .		4
12	Introducing Electronics at Scale with a Massive Online Circuits Lab. , 0, , .		3
13	Probing the dynamics of the proton-motive force in E. coli. , 2014, , .		2
14	Towards a biohybrid sensing platform built on impedance-based bacterial flagellar motor tachometry. , 2017, , .		2
15	The Mtr Pathway ofShewanella oneidensisMR-1 Couples Substrate Utilization to Current Production inEscherichia coli. ChemElectroChem, 2014, 1, 1701-1701.	3.4	0
16	Applying machine learning to the flagellar motor for biosensing. , 2018, 2018, 1-4.		0