Tom J Zajdel

List of Publications by Citations

19 papers	210 citations	6 h-index	14 g-index
24 ext. papers	305 ext. citations	5.6 avg, IF	3.34 L-index

#	Paper	IF	Citations
19	The Mtr Pathway of Shewanella oneidensis MR-1 Couples Substrate Utilization to Current Production in Escherichia coli. *ChemElectroChem*, **2014**, 1, 1874-1879	4.3	59
18	PEDOT:PSS-based Multilayer Bacterial-Composite Films for Bioelectronics. *Scientific Reports*, **2018**, 8, 15293	4.9	46
17	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	8.1	33
16	Modifying Cytochrome Maturation Can Increase the Bioelectronic Performance of Engineered. *ACS Synthetic Biology*, **2020**, 9, 115-124	5.7	20
15	SCHEEPDOG: Programming Electric Cues to Dynamically Herd Large-Scale Cell Migration. *Cell Systems*, **2020**, 10, 506-514.e3	10.6	15
14	Size-dependent patterns of cell proliferation and migration in freely-expanding epithelia. *ELife*, **2020**, 9,	8.9	13
13	A miniaturized monitoring system for electrochemical biosensing using Shewanella oneidensis in environmental applications. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 7318-21	0.9	6
12	Come together: On-chip bioelectric wound closure. *Biosensors and Bioelectronics*, **2021**, 192, 113479	11.8	4
11	Introducing Electronics at Scale with a Massive Online Circuits Lab		3
10	Towards a biohybrid sensing platform built on impedance-based bacterial flagellar motor tachometry **2017**,		2
9	**2014**,		2
8	Teaching design with a tinkering-driven robot hack **2016**,		2
7	Size-dependent patterns of cell proliferation and migration in freely-expanding epithelia		1
6	SCHEEPDOG: programming electric cues to dynamically herd large-scale cell migration		1
5	PVP1 The People's Ventilator Project: A fully open, low-cost, pressure-controlled ventilator		1
4	Short-term bioelectric stimulation of collective cell migration in tissues reprograms long-term supracellular dynamics. **2022**, 1, pgac002		0
3	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	3.7	0

List of Publications

2	The Mtr Pathway of Shewanella oneidensis MR-1 Couples Substrate Utilization to Current Production in Escherichia coli. *ChemElectroChem*, **2014**, 1, 1701-1701	4.3
1	Applying machine learning to the flagellar motor for biosensing. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2018**, 2018, 1-4	0.9