

Tom J Zajdel

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Short-term bioelectric stimulation of collective cell migration in tissues reprograms long-term supracellular dynamics. 2022 , 1, pgac002		0
18	PVP1-The People's Ventilator Project: A fully open, low-cost, pressure-controlled ventilator research platform compatible with adult and pediatric uses.. <i>PLoS ONE</i> , 2022 , 17, e0266810	3.7	0
17	Come together: On-chip bioelectric wound closure. <i>Biosensors and Bioelectronics</i> , 2021 , 192, 113479	11.8	4
16	SCHEEPDOG: Programming Electric Cues to Dynamically Herd Large-Scale Cell Migration. <i>Cell Systems</i> , 2020 , 10, 506-514.e3	10.6	15
15	Size-dependent patterns of cell proliferation and migration in freely-expanding epithelia. <i>ELife</i> , 2020 , 9,	8.9	13
14	Modifying Cytochrome Maturation Can Increase the Bioelectronic Performance of Engineered. <i>ACS Synthetic Biology</i> , 2020 , 9, 115-124	5.7	20
13	Applying machine learning to the flagellar motor for biosensing. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2018 , 2018, 1-4	0.9	
12	PEDOT:PSS-based Multilayer Bacterial-Composite Films for Bioelectronics. <i>Scientific Reports</i> , 2018 , 8, 15293	4.9	46
11	Towards a biohybrid sensing platform built on impedance-based bacterial flagellar motor tachometry 2017 ,		2
10	Teaching design with a tinkering-driven robot hack 2016 ,		2
9	A miniaturized monitoring system for electrochemical biosensing using <i>Shewanella oneidensis</i> in environmental applications. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 7518-21	0.9	6
8	The Mtr Pathway of <i>Shewanella oneidensis</i> MR-1 Couples Substrate Utilization to Current Production in <i>Escherichia coli</i> . <i>ChemElectroChem</i> , 2014 , 1, 1874-1879	4.3	59
7	The Mtr Pathway of <i>Shewanella oneidensis</i> MR-1 Couples Substrate Utilization to Current Production in <i>Escherichia coli</i> . <i>ChemElectroChem</i> , 2014 , 1, 1701-1701	4.3	
6	2014 ,		2
5	A Study of the Fourth-Order Small Perturbation Method for Scattering From Two-Layer Rough Surfaces. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012 , 50, 3374-3382	8.1	33
4	Introducing Electronics at Scale with a Massive Online Circuits Lab		3
3	Size-dependent patterns of cell proliferation and migration in freely-expanding epithelia		1

2	SCHEEPDOG: programming electric cues to dynamically herd large-scale cell migration	1
1	PVP1 The People's Ventilator Project: A fully open, low-cost, pressure-controlled ventilator	1