

Tanya Tschirhart

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

641
citations

687363

13
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

700
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioelectronic control of a microbial community using surface-assembled electrogenetic cells to route signals. <i>Nature Nanotechnology</i> , 2021, 16, 688-697.	31.5	56
2	Engineering Wired Life: Synthetic Biology for Electroactive Bacteria. <i>ACS Synthetic Biology</i> , 2021, 10, 2808-2823.	3.8	50
3	The response of the melanized yeast <i>Exophiala dermatitidis</i> to gamma radiation exposure. <i>Environmental Microbiology</i> , 2020, 22, 1310-1326.	3.8	17
4	Melanin Produced by the Fast-Growing Marine Bacterium <i>Vibrio natriegens</i> through Heterologous Biosynthesis: Characterization and Application. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	45
5	Synthetic Biology Tools for the Fast-Growing Marine Bacterium <i>Vibrio natriegens</i> . <i>ACS Synthetic Biology</i> , 2019, 8, 2069-2079.	3.8	60
6	Exploiting the Feedstock Flexibility of the Emergent Synthetic Biology Chassis <i>Vibrio natriegens</i> for Engineered Natural Product Production. <i>Marine Drugs</i> , 2019, 17, 679.	4.6	29
7	Electronic control of gene expression and cell behaviour in <i>Escherichia coli</i> through redox signalling. <i>Nature Communications</i> , 2017, 8, 14030.	12.8	120
8	Spectroelectrochemical Reverse Engineering Demonstrates That Melanin's Redox and Radical Scavenging Activities Are Linked. <i>Biomacromolecules</i> , 2017, 18, 4084-4098.	5.4	63
9	Connecting Biology to Electronics: Molecular Communication via Redox Modality. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700789.	7.6	40
10	Using a Redox Modality to Connect Synthetic Biology to Electronics: Hydrogel-Based Chemo-Electro Signal Transduction for Molecular Communication. <i>Advanced Healthcare Materials</i> , 2017, 6, 1600908.	7.6	44
11	Data on biochemical fluxes generated from biofabricated enzyme complexes assembled through engineered tags and microbial transglutaminase. <i>Data in Brief</i> , 2016, 8, 1031-1035.	1.0	4
12	Modular construction of multi-subunit protein complexes using engineered tags and microbial transglutaminase. <i>Metabolic Engineering</i> , 2016, 38, 1-9.	7.0	17
13	Electrochemical Measurement of the β -Galactosidase Reporter from Live Cells: A Comparison to the Miller Assay. <i>ACS Synthetic Biology</i> , 2016, 5, 28-35.	3.8	44
14	Electronic modulation of biochemical signal generation. <i>Nature Nanotechnology</i> , 2014, 9, 605-610.	31.5	52