Tanya Tschirhart

List of Publications by Year
in descending order

14	641	687363 13	1058476 14
papers	citations	h-index	g-index

15	15	15	700
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electronic control of gene expression and cell behaviour in Escherichia coli through redox signalling. Nature Communications, 2017, 8, 14030.	12.8	120
2	Spectroelectrochemical Reverse Engineering DemonstratesThat Melaninâ€™s Redox and Radical Scavenging Activities Are Linked. Biomacromolecules, 2017, 18, 4084-4098.	5.4	63
3	Synthetic Biology Tools for the Fast-Growing Marine Bacterium Vibrio natriegens. ACS Synthetic Biology, 2019, 8, 2069-2079.	3.8	60
4	Bioelectronic control of a microbial community using surface-assembled electrogenetic cells to route signals. Nature Nanotechnology, 2021, 16, 688-697.	31.5	56
5	Electronic modulation of biochemical signal generation. Nature Nanotechnology, 2014, 9, 605-610.	31.5	52
6	Engineering Wired Life: Synthetic Biology for Electroactive Bacteria. ACS Synthetic Biology, 2021, 10, 2808-2823.	3.8	50
7	Melanin Produced by the Fast-Growing Marine Bacterium Vibrio natriegens through Heterologous Biosynthesis: Characterization and Application. Applied and Environmental Microbiology, 2020, 86, .	3.1	45
8	Electrochemical Measurement of the Î²-Galactosidase Reporter from Live Cells: A Comparison to the Miller Assay. ACS Synthetic Biology, 2016, 5, 28-35.	3.8	44
9	Using a Redox Modality to Connect Synthetic Biology to Electronics: Hydrogelâ€Based Chemoâ€Electro Signal Transduction for Molecular Communication. Advanced Healthcare Materials, 2017, 6, 1600908.	7.6	44
10	Connecting Biology to Electronics: Molecular Communication via Redox Modality. Advanced Healthcare Materials, 2017, 6, 1700789.	7.6	40
11	Exploiting the Feedstock Flexibility of the Emergent Synthetic Biology Chassis Vibrio natriegens for Engineered Natural Product Production. Marine Drugs, 2019, 17, 679.	4.6	29
12	Modular construction of multi-subunit protein complexes using engineered tags and microbial transglutaminase. Metabolic Engineering, 2016, 38, 1-9.	7.0	17
13	The response of the melanized yeast Exophiala dermatitidis to gamma radiation exposure. Environmental Microbiology, 2020, 22, 1310-1326.	3.8	17
14	Data on biochemical fluxes generated from biofabricated enzyme complexes assembled through engineered tags and microbial transglutaminase. Data in Brief, 2016, 8, 1031-1035.	1.0	4