

# Michael D Vaughn

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,383  
citations

471509

17  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

2004  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-assembled photosystem-I biophotovoltaics on nanostructured TiO <sub>2</sub> and ZnO. <i>Scientific Reports</i> , 2012, 2, 234.	3.3	211
2	Catalytic Turnover of [FeFe]-Hydrogenase Based on Single-Molecule Imaging. <i>Journal of the American Chemical Society</i> , 2012, 134, 1577-1582.	13.7	172
3	Self-organized photosynthetic nanoparticle for cell-free hydrogen production. <i>Nature Nanotechnology</i> , 2010, 5, 73-79.	31.5	171
4	Self-Assembling Peptide Detergents Stabilize Isolated Photosystem I on a Dry Surface for an Extended Time. <i>PLoS Biology</i> , 2005, 3, e230.	5.6	116
5	Comparative analysis of 10 small molecules binding to carbonic anhydrase II by different investigators using Biacore technology. <i>Analytical Biochemistry</i> , 2006, 359, 94-105.	2.4	98
6	Protein secondary-shell interactions enhance the photoinduced hydrogen production of cobalt protoporphyrin IX. <i>Chemical Communications</i> , 2014, 50, 15852-15855.	4.1	83
7	Designer Peptide Surfactants Stabilize Functional Photosystem-I Membrane Complex in Aqueous Solution for Extended Time. <i>Journal of Physical Chemistry B</i> , 2009, 113, 75-83.	2.6	76
8	Luminescent Solar Concentrators Employing Phycobilisomes. <i>Advanced Materials</i> , 2009, 21, 3181-3185.	21.0	66
9	Evolution of reaction center mimics to systems capable of generating solar fuel. <i>Photosynthesis Research</i> , 2014, 120, 59-70.	2.9	64
10	Solar energy conversion in a photoelectrochemical biofuel cell. <i>Dalton Transactions</i> , 2009, , 9979.	3.3	59
11	<i>De Novo</i> Design of an Artificial Bis[4Fe-4S] Binding Protein. <i>Biochemistry</i> , 2013, 52, 7586-7594.	2.5	48
12	In Vitro Comparative Kinetic Analysis of the Chloroplast Toc GTPases. <i>Journal of Biological Chemistry</i> , 2007, 282, 11410-11426.	3.4	43
13	Controlling the Morphology of Photosystem I Assembly on Thiol-Activated Au Substrates. <i>Langmuir</i> , 2010, 26, 16048-16054.	3.5	37
14	Modulation of cyanobacterial photosystem I deposition properties on alkanethiolate Au substrate by various experimental conditions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 181-190.	5.0	23
15	Electron flow through NDH-1 complexes is the major driver of cyclic electron flow-dependent proton pumping in cyanobacteria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148354.	1.0	23
16	Comparative genomic analyses of the cyanobacterium, <i>Lyngbya aestuarii</i> BLJ, a powerful hydrogen producer. <i>Frontiers in Microbiology</i> , 2013, 4, 363.	3.5	21
17	Jolly green MOF: confinement and photoactivation of photosystem I in a metal-organic framework. <i>Nanoscale Advances</i> , 2019, 1, 94-104.	4.6	18
18	The structure of photosystem I from a high-light-tolerant cyanobacteria. <i>ELife</i> , 2021, 10, .	6.0	15

#	ARTICLE	IF	CITATIONS
19	Enhanced Photocatalytic Hydrogen Production by Hybrid Streptavidin- $\text{Fe}$ Iron Catalysts. <i>Chemistry - A European Journal</i> , 2020, 26, 6240-6246.	3.3	11
20	In vitro kinetics of P700 + reduction of <i>Thermosynechococcus elongatus</i> trimeric Photosystem I complexes by recombinant cytochrome c 6 using a Joliot-type LED spectrophotometer. <i>Photosynthesis Research</i> , 2017, 131, 79-91.	2.9	10
21	Aqueous-soluble bipyridine cobalt(ii/iii) complexes act as direct redox mediators in photosystem I-based biophotovoltaic devices. <i>RSC Advances</i> , 2021, 11, 10434-10450.	3.6	10
22	Chapter 16 Nano-scale Characterization of the Dynamics of the Chloroplast Toc Translocon. <i>Methods in Cell Biology</i> , 2008, 90, 365-398.	1.1	6
23	A simple atomic force microscopy method for the visualization of polar and non-polar parts in thin organic films. <i>Journal of Experimental Nanoscience</i> , 2006, 1, 63-73.	2.4	2