

Dennis J NÃ¼rnberg

List of Publications by Year in descending order

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papers

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all docs

35
docs citations

35
times ranked

1026
citing authors

#	ARTICLE	IF	CITATIONS
1	Photochemistry beyond the red limit in chlorophyll f- containing photosystems. <i>Science</i> , 2018, 360, 1210-1213.	12.6	216
2	Intercellular Diffusion of a Fluorescent Sucrose Analog via the Septal Junctions in a Filamentous Cyanobacterium. <i>MBio</i> , 2015, 6, e02109.	4.1	90
3	Binding of the <i>RNA</i> chaperone <i>Hfq</i> to the type <i>IV</i> pilus base is crucial for its function in <i>Synechocystis</i> sp. <i>PCC</i> 6803. <i>Molecular Microbiology</i> , 2014, 92, 840-852.	2.5	56
4	Hydrocarbons Are Essential for Optimal Cell Size, Division, and Growth of Cyanobacteria. <i>Plant Physiology</i> , 2016, 172, 1928-1940.	4.8	53
5	PilB localization correlates with the direction of twitching motility in the cyanobacterium <i>Synechocystis</i> sp. <i>PCC</i> 6803. <i>Microbiology (United Kingdom)</i> , 2015, 161, 960-966.	1.8	51
6	Branching and intercellular communication in the <i>S</i> section <i>V</i> cyanobacterium <i>Mastigocladus laminosus</i> , a complex multicellular prokaryote. <i>Molecular Microbiology</i> , 2014, 91, 935-949.	2.5	42
7	Global distribution of a chlorophyll <i>f</i> cyanobacterial marker. <i>ISME Journal</i> , 2020, 14, 2275-2287.	9.8	41
8	Femtosecond Visible Transient Absorption Spectroscopy of Chlorophyll f-Containing Photosystem I. <i>Biophysical Journal</i> , 2017, 112, 234-249.	0.5	34
9	Light-driven formation of manganese oxide by today's photosystem II supports evolutionarily ancient manganese-oxidizing photosynthesis. <i>Nature Communications</i> , 2020, 11, 6110.	12.8	34
10	Subcellular Localization and Clues for the Function of the HetN Factor Influencing Heterocyst Distribution in <i>Anabaena</i> sp. Strain <i>PCC</i> 7120. <i>Journal of Bacteriology</i> , 2014, 196, 3452-3460.	2.2	33
11	The MarR-Type Repressor MhqR Confers Quinone and Antimicrobial Resistance in <i>Staphylococcus aureus</i> . <i>Antioxidants and Redox Signaling</i> , 2019, 31, 1235-1252.	5.4	31
12	CphA2 is a novel type of cyanophycin synthetase in N ₂ -fixing cyanobacteria. <i>Microbiology (United Kingdom)</i> , 2017, 161, 1075-1081.	1.8	31
13	<i>Fischerella thermalis</i> : a model organism to study thermophilic diazotrophy, photosynthesis and multicellularity in cyanobacteria. <i>Extremophiles</i> , 2019, 23, 635-647.	2.3	29
14	Overexpression of SepJ alters septal morphology and heterocyst pattern regulated by diffusible signals in <i>Anabaena</i> . <i>Molecular Microbiology</i> , 2016, 101, 968-981.	2.5	27
15	Specific Glucoside Transporters Influence Septal Structure and Function in the Filamentous, Heterocyst-Forming Cyanobacterium <i>Anabaena</i> sp. Strain <i>PCC</i> 7120. <i>Journal of Bacteriology</i> , 2017, 199, .	2.2	25
16	Femtosecond infrared spectroscopy of chlorophyll f-containing photosystem I. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1224-1234.	2.8	25
17	From manganese oxidation to water oxidation: assembly and evolution of the water-splitting complex in photosystem II. <i>Photosynthesis Research</i> , 2022, 152, 107-133.	2.9	22
18	The primary donor of far-red photosystem II: ChlD1 or PD2?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148248.	1.0	19

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19	All1371 is a polyphosphate-dependent glucokinase in <i>Anabaena</i> sp. PCC 7120. <i>Microbiology (United Kingdom)</i> , 2019, 157, 1371-1380.	1.8	8
20	Femtosecond visible transient absorption spectroscopy of chlorophyll- <i>a</i> -containing photosystem II. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23158-23164.	7.1	15
21	Structural Determinants and Their Role in Cyanobacterial Morphogenesis. <i>Life</i> , 2020, 10, 355.	2.4	15
22	Generation of Synthetic Shuttle Vectors Enabling Modular Genetic Engineering of Cyanobacteria. <i>ACS Synthetic Biology</i> , 2022, 11, 1758-1771.	3.8	15
23	Infrared nanoscopy and tomography of intracellular structures. <i>Communications Biology</i> , 2021, 4, 1341.	4.4	13
24	Tracing the path of a prokaryotic paracrine signal. <i>Molecular Microbiology</i> , 2014, 94, 1208-1212.	2.5	12
25	Changes in supramolecular organization of cyanobacterial thylakoid membrane complexes in response to far-red light photoacclimation. <i>Science Advances</i> , 2022, 8, eabj4437.	10.3	9
26	Role of PatS and cell type on the heterocyst spacing pattern in a filamentous branching cyanobacterium. <i>FEMS Microbiology Letters</i> , 2017, 364, .	1.8	8
27	Two novel heteropolymer-forming proteins maintain the multicellular shape of the cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>FEBS Journal</i> , 2021, 288, 3197-3216.	4.7	7
28	Visualization of Cell Complexity in the Filamentous Cyanobacterium <i>Mastigocladus laminosus</i> by Transmission Electron Microscopy (TEM). <i>Bio-protocol</i> , 2014, 4, .	0.4	1
29	Local Cycle of Photosynthesis and Quasi-Aerobic Respiration Facilitated by Manganese Oxides – A Hypothesis on the Evolution of Phototrophy. <i>Journal of Theoretical Biology</i> , 2019, 468, 367-395.		1