Cheryl A Kerfeld

List of Publications by Year
in descending order

147 papers	14,232 citations	22099 59 h-index	22102 113 g-index
154 all docs	154 docs citations	154 times ranked	11646 citing authors

#	Article	IF	Citations
1	Frontiers, Opportunities, and Challenges in Biochemical and Chemical Catalysis of CO₂ Fixation. Chemical Reviews, 2013, 113, 6621-6658.	23.0	1,786
2	Improving the coverage of the cyanobacterial phylum using diversity-driven genome sequencing. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1053-1058.	3.3	769
3	A genomic catalog of Earthâ€™s microbiomes. Nature Biotechnology, 2021, 39, 499-509.	9.4	457
4	Protein-based organelles in bacteria: carboxysomes and related microcompartments. Nature Reviews Microbiology, 2008, 6, 681-691.	13.6	421
5	Protein Structures Forming the Shell of Primitive Bacterial Organelles. Science, 2005, 309, 936-938.	6.0	420
6	A Soluble Carotenoid Protein Involved in Phycobilisome-Related Energy Dissipation in Cyanobacteria. Plant Cell, 2006, 18, 992-1007.	3.1	396
7	Atomic-Level Models of the Bacterial Carboxysome Shell. Science, 2008, 319, 1083-1086.	6.0	367
8	Bacterial microcompartments. Nature Reviews Microbiology, 2018, 16, 277-290.	13.6	328
9	A photoactive carotenoid protein acting as light intensity sensor. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12075-12080.	3.3	324
10	Bacterial Microcompartments. Annual Review of Microbiology, 2010, 64, 391-408.	2.9	299
11	Biogenesis of a Bacterial Organelle: The Carboxysome Assembly Pathway. Cell, 2013, 155, 1131-1140.	13.5	274
12	The Crystal Structure of a Cyanobacterial Water-Soluble Carotenoid Binding Protein. Structure, 2003, 11, 55-65.	1.6	267
13	A Taxonomy of Bacterial Microcompartment Loci Constructed by a Novel Scoring Method. PLoS Computational Biology, 2014, 10, e1003898.	1.5	227
14	Dynamic cyanobacterial response to hydration and dehydration in a desert biological soil crust. ISME Journal, 2013, 7, 2178-2191.	4.4	217
15	Assembly, function and evolution of cyanobacterial carboxysomes. Current Opinion in Plant Biology, 2016, 31, 66-75.	3.5	197
16	Identification and Structural Analysis of a Novel Carboxysome Shell Protein with Implications for Metabolite Transport. Journal of Molecular Biology, 2009, 392, 319-333.	2.0	193
17	A 12 Ã… carotenoid translocation in a photoswitch associated with cyanobacterial photoprotection. Science, 2015, 348, 1463-1466.	6.0	192
18	Assembly principles and structure of a 6.5-MDa bacterial microcompartment shell. Science, 2017, 356, 1293-1297.	6.0	187

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19	Phylum-wide comparative genomics unravel the diversity of secondary metabolism in Cyanobacteria. BMC Genomics, 2014, 15, 977.	1.2	175
20	The orange carotenoid protein in photoprotection of photosystem II in cyanobacteria. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 158-166.	0.5	171
21	Cyanobacterial photoprotection by the orange carotenoid protein. Nature Plants, 2016, 2, 16180.	4.7	166
22	Bacterial microcompartments and the modular construction of microbial metabolism. Trends in Microbiology, 2015, 23, 22-34.	3.5	165
23	The Orange Carotenoid Protein: a blue-green light photoactive protein. Photochemical and Photobiological Sciences, 2013, 12, 1135-1143.	1.6	162
24	The Structure of Î²-Carbonic Anhydrase from the Carboxysomal Shell Reveals a Distinct Subclass with One Active Site for the Price of Two. Journal of Biological Chemistry, 2006, 281, 7546-7555.	1.6	159
25	Connecting Earth observation to high-throughput biodiversity data. Nature Ecology and Evolution, 2017, 1, 176.	3.4	156
26	Structural Determinants Underlying Photoprotection in the Photoactive Orange Carotenoid Protein of Cyanobacteria. Journal of Biological Chemistry, 2010, 285, 18364-18375.	1.6	152
27	Structural Analysis of CsoS1A and the Protein Shell of the Halothiobacillus neapolitanus Carboxysome. PLoS Biology, 2007, 5, e144.	2.6	145
28	The Genome of Deep-Sea Vent Chemolithoautotroph Thiomicrospira crunogena XCL-2. PLoS Biology, 2006, 4, e383.	2.6	144
29	Elucidating Essential Role of Conserved Carboxysomal Protein CcmN Reveals Common Feature of Bacterial Microcompartment Assembly. Journal of Biological Chemistry, 2012, 287, 17729-17736.	1.6	140
30	Light-Induced Energy Dissipation in Iron-Starved Cyanobacteria: Roles of OCP and IsiA Proteins. Plant Cell, 2007, 19, 656-672.	3.1	134
31	Spectroscopic Properties of the Carotenoid 3â€˜-Hydroxyechinenone in the Orange Carotenoid Protein from the CyanobacteriumArthrospira maximaâ€. Biochemistry, 2005, 44, 3994-4003.	1.2	124
32	Characterization of a Planctomycetal Organelle: a Novel Bacterial Microcompartment for the Aerobic Degradation of Plant Saccharides. Applied and Environmental Microbiology, 2014, 80, 2193-2205.	1.4	124
33	Cyanobacterial-based approaches to improving photosynthesis in plants. Journal of Experimental Botany, 2013, 64, 787-798.	2.4	121
34	Local and global structural drivers for the photoactivation of the orange carotenoid protein. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5567-74.	3.3	121
35	Structural and Functional Modularity of the Orange Carotenoid Protein: Distinct Roles for the N- and C-Terminal Domains in Cyanobacterial Photoprotection Â. Plant Cell, 2014, 26, 426-437.	3.1	114
36	Comparative analysis of carboxysome shell proteins. Photosynthesis Research, 2011, 109, 21-32.	1.6	112

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37	Biochemical characterization of predicted Precambrian RuBisCO. Nature Communications, 2016, 7, 10382.	5.8	112
38	Carboxysomal carbonic anhydrases: Structure and role in microbial CO2 fixation. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 382-392.	1.1	109
39	Visualization of Bacterial Microcompartment Facet Assembly Using High-Speed Atomic Force Microscopy. Nano Letters, 2016, 16, 1590-1595.	4.5	106
40	The Structure of CcmP, a Tandem Bacterial Microcompartment Domain Protein from the Î²-Carboxysome, Forms a Subcompartment Within a Microcompartment. Journal of Biological Chemistry, 2013, 288, 16055-16063.	1.6	104
41	Crystal structure of the FRP and identification of the active site for modulation of OCP-mediated photoprotection in cyanobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10022-10027.	3.3	102
42	Assembly of Robust Bacterial Microcompartment Shells Using Building Blocks from an Organelle of Unknown Function. Journal of Molecular Biology, 2014, 426, 2217-2228.	2.0	102
43	PHOTOSYNTHETIC CYTOCHROMEScIN CYANOBACTERIA, ALGAE, AND PLANTS. Annual Review of Plant Biology, 1998, 49, 397-425.	14.2	93
44	Programmed loading and rapid purification of engineered bacterial microcompartment shells. Nature Communications, 2018, 9, 2881.	5.8	92
45	Genome Mining Expands the Chemical Diversity of the Cyanobactin Family to Include Highly Modified Linear Peptides. Chemistry and Biology, 2013, 20, 1033-1043.	6.2	90
46	Engineering Bacterial Microcompartment Shells: Chimeric Shell Proteins and Chimeric Carboxysome Shells. ACS Synthetic Biology, 2015, 4, 444-453.	1.9	88
47	Introduction of a Synthetic CO2-fixing Photorespiratory Bypass into a Cyanobacterium. Journal of Biological Chemistry, 2014, 289, 9493-9500.	1.6	87
48	Structure, function and evolution of the cyanobacterial orange carotenoid protein and its homologs. New Phytologist, 2017, 215, 937-951.	3.5	87
49	Evidence for the widespread distribution of CRISPR-Cas system in the Phylum<i>Cyanobacteria</i>. RNA Biology, 2013, 10, 687-693.	1.5	86
50	Carboxysomes: metabolic modules for CO2 fixation. FEMS Microbiology Letters, 2017, 364, .	0.7	86
51	Structure, Diversity, and Evolution of a New Family of Soluble Carotenoid-Binding Proteins in Cyanobacteria. Molecular Plant, 2016, 9, 1379-1394.	3.9	83
52	The Essential Role of the N-Terminal Domain of the Orange Carotenoid Protein in Cyanobacterial Photoprotection: Importance of a Positive Charge for Phycobilisome Binding. Plant Cell, 2012, 24, 1972-1983.	3.1	82
53	Advances in Understanding Carboxysome Assembly in Prochlorococcus and Synechococcus Implicate CsoS2 as a Critical Component. Life, 2015, 5, 1141-1171.	1.1	82
54	Bacterial microcompartment assembly: The key role of encapsulation peptides. Communicative and Integrative Biology, 2015, 8, e1039755.	0.6	77

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55	Different Functions of the Paralogs to the N-Terminal Domain of the Orange Carotenoid Protein in the Cyanobacterium <i>Anabaena</i> sp. PCC 7120. Plant Physiology, 2016, 171, 1852-1866.	2.3	76
56	Structure and Function of the Water-Soluble Carotenoid-Binding Proteins of Cyanobacteria. Photosynthesis Research, 2004, 81, 215-225.	1.6	73
57	Water-soluble carotenoid proteins of cyanobacteria. Archives of Biochemistry and Biophysics, 2004, 430, 2-9.	1.4	71
58	Additional families of orange carotenoid proteins in the photoprotective system of cyanobacteria. Nature Plants, 2017, 3, 17089.	4.7	70
59	Isolation and Characterization of the Prochlorococcus Carboxysome Reveal the Presence of the Novel Shell Protein CsoS1D. Journal of Bacteriology, 2012, 194, 787-795.	1.0	67
60	Structures of Cytochrome c-549 and Cytochrome c6 from the Cyanobacterium Arthrospira maxima,. Biochemistry, 2001, 40, 9215-9225.	1.2	65
61	Production and Characterization of Synthetic Carboxysome Shells with Incorporated Luminal Proteins. Plant Physiology, 2016, 170, 1868-77.	2.3	64
62	In Vitro Assembly of Diverse Bacterial Microcompartment Shell Architectures. Nano Letters, 2018, 18, 7030-7037.	4.5	61
63	Heterohexamers Formed by CcmK3 and CcmK4 Increase the Complexity of Beta Carboxysome Shells. Plant Physiology, 2019, 179, 156-167.	2.3	61
64	Structure and functions of Orange Carotenoid Protein homologs in cyanobacteria. Current Opinion in Plant Biology, 2017, 37, 1-9.	3.5	60
65	Bioinformatic Characterization of Glycyl Radical Enzyme-Associated Bacterial Microcompartments. Applied and Environmental Microbiology, 2015, 81, 8315-8329.	1.4	59
66	Structure and Function of a Bacterial Microcompartment Shell Protein Engineered to Bind a [4Fe-4S] Cluster. Journal of the American Chemical Society, 2016, 138, 5262-5270.	6.6	58
67	Using BLAST to Teach â€œE-value-tionaryâ€•Concepts. PLoS Biology, 2011, 9, e1001014.	2.6	58
68	Carotenoidâ€“protein interaction alters the S1 energy of hydroxyechinenone in the Orange Carotenoid Protein. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 248-254.	0.5	57
69	Engineering the Bacterial Microcompartment Domain for Molecular Scaffolding Applications. Frontiers in Microbiology, 2017, 8, 1441.	1.5	57
70	Engineering nanoreactors using bacterial microcompartment architectures. Current Opinion in Biotechnology, 2018, 51, 1-7.	3.3	55
71	A catalog of the diversity and ubiquity of bacterial microcompartments. Nature Communications, 2021, 12, 3809.	5.8	55
72	Incorporating Genomics and Bioinformatics across the Life Sciences Curriculum. PLoS Biology, 2010, 8, e1000448.	2.6	54

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73	Structure of a Synthetic <i>Î²</i>-Carboxysome Shell. Plant Physiology, 2019, 181, 1050-1058.	2.3	54
74	In Vitro Characterization and Concerted Function of Three Core Enzymes of a Glycyl Radical Enzyme - Associated Bacterial Microcompartment. Scientific Reports, 2017, 7, 42757.	1.6	51
75	The Plasticity of Molecular Interactions Governs Bacterial Microcompartment Shell Assembly. Structure, 2019, 27, 749-763.e4.	1.6	50
76	Streamlined Construction of the Cyanobacterial CO₂-Fixing Organelle via Protein Domain Fusions for Use in Plant Synthetic Biology. Plant Cell, 2015, 27, 2637-2644.	3.1	49
77	Comparative Analysis of 126 Cyanobacterial Genomes Reveals Evidence of Functional Diversity Among Homologs of the Redox-Regulated CP12 Protein Â Â. Plant Physiology, 2013, 161, 824-835.	2.3	47
78	Structural Characterization of a Newly Identified Component of Î±-Carboxysomes: The AAA+ Domain Protein CsoCbbQ. Scientific Reports, 2015, 5, 16243.	1.6	45
79	Light harvesting in photosystems I and II. Biochemical Society Transactions, 1993, 21, 15-18.	1.6	42
80	Two new high-resolution crystal structures of carboxysome pentamer proteins reveal high structural conservation of CcmL orthologs among distantly related cyanobacterial species. Photosynthesis Research, 2013, 118, 9-16.	1.6	42
81	Cyanobacterial ultrastructure in light of genomic sequence data. Photosynthesis Research, 2016, 129, 147-157.	1.6	42
82	A designed bacterial microcompartment shell with tunable composition and precision cargo loading. Metabolic Engineering, 2019, 54, 286-291.	3.6	42
83	The Structural Basis of Coenzyme A Recycling in a Bacterial Organelle. PLoS Biology, 2016, 14, e1002399.	2.6	40
84	Structural and EPR Characterization of the Soluble Form of Cytochrome c-550 and of the psbV2 Gene Product from the Cyanobacterium Thermosynechococcus elongatus. Plant and Cell Physiology, 2003, 44, 697-706.	1.5	39
85	Purification and Characterization of Protein Nanotubes Assembled from a Single Bacterial Microcompartment Shell Subunit. Advanced Materials Interfaces, 2016, 3, 1500295.	1.9	38
86	Raman Optical Activity Reveals Carotenoid Photoactivation Events in the Orange Carotenoid Protein in Solution. Journal of the American Chemical Society, 2017, 139, 10456-10460.	6.6	38
87	Excited-state properties of the 16 kDa red carotenoid protein from Arthrospira maxima. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 30-35.	0.5	36
88	Î²-Carboxysome bioinformatics: identification and evolution of new bacterial microcompartment protein gene classes and core locus constraints. Journal of Experimental Botany, 2017, 68, 3841-3855.	2.4	36
89	Synthetic <scp>OCP</scp> heterodimers are photoactive and recapitulate the fusion of two primitive carotenoproteins in the evolution of cyanobacterial photoprotection. Plant Journal, 2017, 91, 646-656.	2.8	33
90	Crystal Structure and Possible Dimerization of the High-Potential Ironâ^'Sulfur Protein fromChromatiumpurpuratumâ€‚â€¡. Biochemistry, 1998, 37, 13911-13917.	1.2	32

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91	Bacterial microcompartments as metabolic modules for plant synthetic biology. Plant Journal, 2016, 87, 66-75.	2.8	32
92	Genomes of ubiquitous marine and hypersaline <i>Hydrogenovibrio</i>, <i>Thiomicrorhabdus</i> and <i>Thiomicrospira</i> spp. encode a diversity of mechanisms to sustain chemolithoautotrophy in heterogeneous environments. Environmental Microbiology, 2018, 20, 2686-2708.	1.8	32
93	Bacterial microcompartments: catalysis-enhancing metabolic modules for next generation metabolic and biomedical engineering. BMC Biology, 2019, 17, 79.	1.7	32
94	Specificity of the Cyanobacterial Orange Carotenoid Protein: Influences of Orange Carotenoid Protein and Phycobilisome Structures Â Â. Plant Physiology, 2014, 164, 790-804.	2.3	30
95	Glycyl Radical Enzyme-Associated Microcompartments: Redox-Replete Bacterial Organelles. MBio, 2019, 10, .	1.8	30
96	Cyanobacterial carboxysomes contain an unique rubiscoâ€activaseâ€like protein. New Phytologist, 2020, 225, 793-806.	3.5	29
97	Evolutionary relationships among shell proteins of carboxysomes and metabolosomes. Current Opinion in Microbiology, 2021, 63, 1-9.	2.3	27
98	The 1.6ÂÅ resolution structure of Fe-superoxide dismutase from the thermophilic cyanobacterium Thermosynechococcus elongatus. Journal of Biological Inorganic Chemistry, 2003, 8, 707-714.	1.1	25
99	X-ray radiolytic labeling reveals the molecular basis of orange carotenoid protein photoprotection and its interactions with fluorescence recovery protein. Journal of Biological Chemistry, 2019, 294, 8848-8860.	1.6	25
100	Structural Characterization of a Synthetic Tandem-Domain Bacterial Microcompartment Shell Protein Capable of Forming Icosahedral Shell Assemblies. ACS Synthetic Biology, 2019, 8, 668-674.	1.9	24
101	Toward a glycyl radical enzyme containing synthetic bacterial microcompartment to produce pyruvate from formate and acetate. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	24
102	The Undergraduate Genomics Research Initiative. PLoS Biology, 2007, 5, e141.	2.6	23
103	Comparative ultrafast spectroscopy and structural analysis of OCP1 and OCP2 from Tolypothrix. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148120.	0.5	22
104	Operational properties of fluctuation X-ray scattering data. IUCrJ, 2015, 2, 309-316.	1.0	21
105	Structural and spectroscopic characterization of HCP2. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 414-424.	0.5	21
106	Structural and functional insights into the unique CBSâ€"CP12 fusion protein family in cyanobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7141-7146.	3.3	20
107	Engineered bacterial microcompartments: apps for programming metabolism. Current Opinion in Biotechnology, 2020, 65, 225-232.	3.3	20
108	Interrelated modules in cyanobacterial photosynthesis: the carbon-concentrating mechanism, photorespiration, and light perception. Journal of Experimental Botany, 2016, 67, 2931-2940.	2.4	19

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109	Bioinformatic analysis of the distribution of inorganic carbon transporters and prospective targets for bioengineering to increase Ci uptake by cyanobacteria. Photosynthesis Research, 2015, 126, 99-109.	1.6	18
110	Structural analysis of a new carotenoid-binding protein: the C-terminal domain homolog of the OCP. Scientific Reports, 2020, 10, 15564.	1.6	18
111	Functionalization of Bacterial Microcompartment Shell Proteins With Covalently Attached Heme. Frontiers in Bioengineering and Biotechnology, 2019, 7, 432.	2.0	17
112	Structure of the RuBisCO chaperone RbcX from<i>Synechocystis</i>sp. PCC6803. Acta Crystallographica Section D: Biological Crystallography, 2007, 63, 1109-1112.	2.5	16
113	A bioarchitectonic approach to the modular engineering of metabolism. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160387.	1.8	16
114	Crystals of the Carotenoid Protein fromArthrospira maximaContaining Uniformly Oriented Pigment Molecules. Acta Crystallographica Section D: Biological Crystallography, 1997, 53, 720-723.	2.5	15
115	Structural, Mechanistic and Genomic Insights into OCP-Mediated Photoprotection. Advances in Botanical Research, 2013, 65, 1-26.	0.5	14
116	Fluorescence and Excited-State Conformational Dynamics of the Orange Carotenoid Protein. Journal of Physical Chemistry B, 2018, 122, 1792-1800.	1.2	14
117	Engineering the orange carotenoid protein for applications in synthetic biology. Current Opinion in Structural Biology, 2019, 57, 110-117.	2.6	14
118	Excited-State Properties of Canthaxanthin in Cyanobacterial Carotenoid-Binding Proteins HCP2 and HCP3. Journal of Physical Chemistry B, 2020, 124, 4896-4905.	1.2	14
119	Bayesian Analysis of Congruence of Core Genes in Prochlorococcus and Synechococcus and Implications on Horizontal Gene Transfer. PLoS ONE, 2014, 9, e85103.	1.1	12
120	Rewiring Escherichia coli for carbon-dioxide fixation. Nature Biotechnology, 2016, 34, 1035-1036.	9.4	12
121	The crystal structures of the tri-functional Chloroflexus aurantiacus and bi-functional Rhodobacter sphaeroides malyl-CoA lyases and comparison with CitE-like superfamily enzymes and malate synthases. BMC Structural Biology, 2013, 13, 28.	2.3	11
122	Ubiquity and functional uniformity in CO2 concentrating mechanisms in multiple phyla of <i>Bacteria</i> is suggested by a diversity and prevalence of genes encoding candidate dissolved inorganic carbon transporters. FEMS Microbiology Letters, 2020, 367, .	0.7	10
123	Light-Driven Chloride Transport Kinetics of Halorhodopsin. Biophysical Journal, 2018, 115, 353-360.	0.2	9
124	Redox Characterization of Electrode-Immobilized Bacterial Microcompartment Shell Proteins Engineered To Bind Metal Centers. ACS Applied Bio Materials, 2020, 3, 685-692.	2.3	9
125	Visualizing in Vivo Dynamics of Designer Nanoscaffolds. Nano Letters, 2020, 20, 208-217.	4.5	9
126	The use of non-denaturing Deriphat-polyacrylamide gel electrophoresis to fractionate pigment-protein complexes of purple bacteria. Photosynthesis Research, 1991, 30, 139-143.	1.6	8

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127	Structural comparison of cytochrome c2and cytochrome c6. Photosynthesis Research, 1997, 54, 81-98.	1.6	8
128	Plugâ€andâ€play for improving primary productivity. American Journal of Botany, 2015, 102, 1949-1950.	0.8	8
129	BMC Caller: a webtool to identify and analyze bacterial microcompartment types in sequence data. Biology Direct, 2022, 17, 9.	1.9	8
130	David W. Krogmann, 1931â€“2016. Photosynthesis Research, 2017, 132, 1-12.	1.6	7
131	Bioinformatic Identification and Structural Characterization of a New Carboxysome Shell Protein. Advances in Photosynthesis and Respiration, 2012, , 345-356.	1.0	6
132	Free-electron laser data for multiple-particle fluctuation scattering analysis. Scientific Data, 2018, 5, 180201.	2.4	6
133	A Survey of Bacterial Microcompartment Distribution in the Human Microbiome. Frontiers in Microbiology, 2021, 12, 669024.	1.5	5
134	Crystallization of two integral membrane pigmentâ€“protein complexes from the purpleâ€sulfur bacterium <i>Chromatium purpuratum</i>. Protein Science, 1993, 2, 1352-1355.	3.1	4
135	Structure of cytochromec6fromArthrospira maxima: an assembly of 24 subunits in a nearly symmetric shell. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 1104-1110.	2.5	4
136	Photoprotection in Cyanobacteria: The Orange Carotenoid Protein and Energy Dissipation. , 2011, , 395-421.		4
137	Structural and Functional Characterization of a Short-Chain Flavodoxin Associated with a Noncanonical 1,2-Propanediol Utilization Bacterial Microcompartment. Biochemistry, 2017, 56, 5679-5690.	1.2	4
138	Liposome-based measurement of light-driven chloride transport kinetics of halorhodopsin. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183637.	1.4	4
139	Binding Options for the Small Subunit-Like Domain of Cyanobacteria to Rubisco. Frontiers in Microbiology, 2020, 11, 187.	1.5	2
140	UV Excitation of Carotenoid Binding Proteins OCP and HCP: Excitedâ€State Dynamics and Product Formation. ChemPhotoChem, 2022, 6, .	1.5	2
141	Validation of an insertion-engineered isoprene synthase as a strategy to functionalize terpene synthases. RSC Advances, 2021, 11, 29997-30005.	1.7	1
142	Clues to the function of bacterial microcompartments from ancillary genes. Biochemical Society Transactions, 2021, 49, 1085-1098.	1.6	1
143	Characterization of Novel Homologs to the Câ€terminal Domain of the Orange Carotenoid Protein. FASEB Journal, 2019, 33, 779.45.	0.2	1
144	Integrated Structural Studies for Elucidating Carotenoid-Protein Interactions. Advances in Experimental Medicine and Biology, 2021, , .	0.8	1

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145	Protein Nanotubes: Purification and Characterization of Protein Nanotubes Assembled from a Single Bacterial Microcompartment Shell Subunit (Adv. Mater. Interfaces 1/2016). Advanced Materials Interfaces, 2016, 3, .	1.9	0
146	Bioenergetics Theory and Components | The Shells of Bacterial Microcompartments. , 2021, , 108-122.		0
147	Atypical Carboxysome Loci: JEEPs or Junk?. Frontiers in Microbiology, 2022, 13, .	1.5	0