

Xiaojing Yang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

1,519
citations

15
h-index

35
g-index

35
ext. papers

1,734
ext. citations

9.5
avg, IF

4.57
L-index

#	Paper	IF	Citations
33	Structure and function of plant photoreceptors. <i>Annual Review of Plant Biology</i> , 2010 , 61, 21-47	30.7	357
32	Crystal structure of Pseudomonas aeruginosa bacteriophytochrome: photoconversion and signal transduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 14715-20	11.5	256
31	Crystal structure of the chromophore binding domain of an unusual bacteriophytochrome, RpBphP3, reveals residues that modulate photoconversion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 12571-6	11.5	153
30	Temperature-scan cryocrystallography reveals reaction intermediates in bacteriophytochrome. <i>Nature</i> , 2011 , 479, 428-32	50.4	130
29	Conformational differences between the Pfr and Pr states in Pseudomonas aeruginosa bacteriophytochrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 15639-44	11.5	118
28	Crystal structures of restrictocin-inhibitor complexes with implications for RNA recognition and base flipping. <i>Nature Structural Biology</i> , 2001 , 8, 968-73		88
27	The structure of allophycocyanin B from Synechocystis PCC 6803 reveals the structural basis for the extreme redshift of the terminal emitter in phycobilisomes. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014 , 70, 2558-69		54
26	Dynamic Crystallography Reveals Early Signalling Events in Ultraviolet Photoreceptor UVR8. <i>Nature Plants</i> , 2015 , 1,	11.5	42
25	Photoactivation mechanism of a carotenoid-based photoreceptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6286-6291	11.5	40
24	Light Signaling Mechanism of Two Tandem Bacteriophytochromes. <i>Structure</i> , 2015 , 23, 1179-89	5.2	35
23	Structure and mechanism of the phycobiliprotein lyase CpcT. <i>Journal of Biological Chemistry</i> , 2014 , 289, 26677-26689	5.4	28
22	Resolution of structural heterogeneity in dynamic crystallography. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013 , 69, 946-59		24
21	Structure and mechanism of the essential two-component signal-transduction system WalkR in Staphylococcus aureus. <i>Nature Communications</i> , 2016 , 7, 11000	17.4	21
20	Bacteriophytochrome Photoisomerization Proceeds Homogeneously Despite Heterogeneity in Ground State. <i>Biophysical Journal</i> , 2016 , 111, 2125-2134	2.9	19
19	The interplay between chromophore and protein determines the extended excited state dynamics in a single-domain phytochrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 16356-16362	11.5	18
18	Crystal-on-crystal chips for in situ serial diffraction at room temperature. <i>Lab on A Chip</i> , 2018 , 18, 2246-2256		15
17	Transmembrane Helices Tilt, Bend, Slide, Torque, and Unwind between Functional States of Rhodopsin. <i>Scientific Reports</i> , 2016 , 6, 34129	4.9	13

16	How Does Photoreceptor UVR8 Perceive a UV-B Signal?. <i>Photochemistry and Photobiology</i> , 2015 , 91, 993-1003	10.3	13
15	Biliproteins and their Applications in Bioimaging. <i>Procedia Chemistry</i> , 2015 , 14, 176-185		12
14	Modes of Cholesterol Binding in Membrane Proteins: A Joint Analysis of 73 Crystal Structures. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1135, 67-86	3.6	11
13	Structural basis of molecular logic OR in a dual-sensor histidine kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 19973-19982	11.5	10
12	Elucidating the Molecular Mechanism of Ultrafast Pfr-State Photoisomerization in Bathy Bacteriophytochrome PaBphP. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6197-6201	6.4	10
11	The Origin of Ultrafast Multiphasic Dynamics in Photoisomerization of Bacteriophytochrome. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 5913-5919	6.4	8
10	Revealing the origin of multiphasic dynamic behaviors in cyanobacteriochrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 19731-19736	11.5	8
9	Elucidating Ultrafast Multiphasic Dynamics in the Photoisomerization of Cyanobacteriochrome. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 8819-8824	6.4	8
8	Crystal Structures of Bacterial (6-4) Photolyase Mutants with Impaired DNA Repair Activity. <i>Photochemistry and Photobiology</i> , 2017 , 93, 304-314	3.6	7
7	Crystal structure of a far-red-sensing cyanobacteriochrome reveals an atypical bilin conformation and spectral tuning mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
6	Structure of the response regulator RPA3017 involved in red-light signaling in <i>Rhodospseudomonas palustris</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015 , 71, 1215-22	1.1	4
5	Dimer Asymmetry and Light Activation Mechanism in Blue-Light Sensor Histidine Kinase. <i>MBio</i> , 2021 , 12,	7.8	4
4	An automated platform for serial crystallography at room temperature. <i>IUCrJ</i> , 2020 , 7, 1009-1018	4.7	2
3	Molecular Basis of Far-red Sensing in Cyanobacteriochrome		2
2	Crystal structure and molecular mechanism of an E/F type bilin lyase-isomerase.. <i>Structure</i> , 2022 ,	5.2	1
1	Angular-split/temporal-delay approach to ultrafast protein dynamics at XFELs. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016 , 72, 871-82	5.5	1