Erik Schleicher

List of Publications by Year in descending order

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687363 752698 1,043 21 13 20 citations h-index g-index papers 21 21 21 1140 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Cryptochrome Blue Light Photoreceptors Are Activated through Interconversion of Flavin Redox States. Journal of Biological Chemistry, 2007, 282, 9383-9391.	3.4	349
2	Magnetic-field effect on the photoactivation reaction of <i>Escherichia coli</i> DNA photolyase. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14395-14399.	7.1	113
3	Electron Nuclear Double Resonance Differentiates Complementary Roles for Active Site Histidines in (6-4) Photolyase. Journal of Biological Chemistry, 2007, 282, 4738-4747.	3.4	80
4	Extended Electron-Transfer in Animal Cryptochromes Mediated by a Tetrad of Aromatic Amino Acids. Biophysical Journal, 2016, 111, 301-311.	0.5	77
5	Millitesla magnetic field effects on the photocycle of an animal cryptochrome. Scientific Reports, 2017, 7, 42228.	3.3	76
6	Origin of Light-Induced Spin-Correlated Radical Pairs in Cryptochrome. Journal of Physical Chemistry B, 2010, 114, 14745-14754.	2.6	57
7	The biophysical, molecular, and anatomical landscape of pigeon CRY4: A candidate light-based quantal magnetosensor. Science Advances, 2020, 6, eabb9110.	10.3	50
8	The toolbox of Auricularia auricula-judae dye-decolorizing peroxidase – Identification of three new potential substrate-interaction sites. Archives of Biochemistry and Biophysics, 2015, 574, 75-85.	3.0	40
9	Spectroscopic characterization of radicals and radical pairs in fruit fly cryptochrome–Âprotonated and nonprotonated flavin radicalâ€states. FEBS Journal, 2015, 282, 3175-3189.	4.7	37
10	G-Tensors of the Flavin Adenine Dinucleotide Radicals in Glucose Oxidase:  A Comparative Multifrequency Electron Paramagnetic Resonance and Electronâ^'Nuclear Double Resonance Study. Journal of Physical Chemistry B, 2008, 112, 3568-3574.	2.6	35
11	Determination of Radical–Radical Distances in Lightâ€Active Proteins and Their Implication for Biological Magnetoreception. Angewandte Chemie - International Edition, 2017, 56, 8550-8554.	13.8	32
12	Photoactivation of <i>Drosophila melanogaster</i> cryptochrome through sequential conformational transitions. Science Advances, 2019, 5, eaaw1531.	10.3	30
13	The Clinically Used Iron Chelator Deferasirox Is an Inhibitor of Epigenetic JumonjiC Domain-Containing Histone Demethylases. ACS Chemical Biology, 2019, 14, 1737-1750.	3.4	22
14	Bridging the Gap between Small Molecular π-Interactions and Their Effect on Phenothiazine-Based Redox Polymers in Organic Batteries. ACS Applied Energy Materials, 2021, 4, 7622-7631.	5.1	9
15	Bacterial flavoprotein monooxygenase YxeK salvages toxic <i>S</i> â€(2â€succino)â€adducts via oxygenolytic C–S bond cleavage. FEBS Journal, 2022, 289, 787-807.	4.7	9
16	How can EPR spectroscopy help to unravel molecular mechanisms of flavin-dependent photoreceptors?. Frontiers in Molecular Biosciences, 2015, 2, 49.	3 . 5	8
17	Application of commercially available fluorophores as triplet spin probes in EPR spectroscopy. Molecular Physics, 2019, 117, 2688-2699.	1.7	6
18	pH-dependence of signaling-state formation in Drosophila cryptochrome. Archives of Biochemistry and Biophysics, 2021, 700, 108787.	3.0	5

#	Article	IF	CITATIONS
19	OOP-ESEEM Spectroscopy: Accuracies of Distances of Spin-Correlated Radical Pairs in Biomolecules. Frontiers in Molecular Biosciences, 0, 9, .	3.5	4
20	The Effect of Low Pressure Plasma Polymerization Modes on the Properties of the Deposited Plasma Polymers. Plasma Processes and Polymers, 2016, 13, 744-751.	3.0	2
21	Selective 13C labelling reveals the electronic structure of flavocoenzyme radicals. Scientific Reports, 2021, 11, 18234.	3.3	2