

Erik Schleicher

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,043
citations

687363

13
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1140
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial flavoprotein monooxygenase YxeK salvages toxic <i>S</i> -succinyl-S bond cleavage. <i>FEBS Journal</i> , 2022, 289, 787-807.	4.7	9
2	pH-dependence of signaling-state formation in <i>Drosophila</i> cryptochrome. <i>Archives of Biochemistry and Biophysics</i> , 2021, 700, 108787.	3.0	5
3	Bridging the Gap between Small Molecular π -Interactions and Their Effect on Phenothiazine-Based Redox Polymers in Organic Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 7622-7631.	5.1	9
4	Selective ¹³ C labelling reveals the electronic structure of flavocoenzyme radicals. <i>Scientific Reports</i> , 2021, 11, 18234.	3.3	2
5	The biophysical, molecular, and anatomical landscape of pigeon CRY4: A candidate light-based quantal magnetosensor. <i>Science Advances</i> , 2020, 6, eabb9110.	10.3	50
6	The Clinically Used Iron Chelator Deferasirox Is an Inhibitor of Epigenetic JumonjiC Domain-Containing Histone Demethylases. <i>ACS Chemical Biology</i> , 2019, 14, 1737-1750.	3.4	22
7	Photoactivation of <i>Drosophila melanogaster</i> cryptochrome through sequential conformational transitions. <i>Science Advances</i> , 2019, 5, eaaw1531.	10.3	30
8	Application of commercially available fluorophores as triplet spin probes in EPR spectroscopy. <i>Molecular Physics</i> , 2019, 117, 2688-2699.	1.7	6
9	Millitesla magnetic field effects on the photocycle of an animal cryptochrome. <i>Scientific Reports</i> , 2017, 7, 42228.	3.3	76
10	Determination of Radical-Radical Distances in Light-Active Proteins and Their Implication for Biological Magnetoreception. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8550-8554.	13.8	32
11	Extended Electron-Transfer in Animal Cryptochromes Mediated by a Tetrad of Aromatic Amino Acids. <i>Biophysical Journal</i> , 2016, 111, 301-311.	0.5	77
12	The Effect of Low Pressure Plasma Polymerization Modes on the Properties of the Deposited Plasma Polymers. <i>Plasma Processes and Polymers</i> , 2016, 13, 744-751.	3.0	2
13	How can EPR spectroscopy help to unravel molecular mechanisms of flavin-dependent photoreceptors?. <i>Frontiers in Molecular Biosciences</i> , 2015, 2, 49.	3.5	8
14	The toolbox of <i>Auricularia auricula-judae</i> dye-decolorizing peroxidase – Identification of three new potential substrate-interaction sites. <i>Archives of Biochemistry and Biophysics</i> , 2015, 574, 75-85.	3.0	40
15	Spectroscopic characterization of radicals and radical pairs in fruit fly cryptochrome – Protonated and nonprotonated flavin radical states. <i>FEBS Journal</i> , 2015, 282, 3175-3189.	4.7	37
16	Origin of Light-Induced Spin-Correlated Radical Pairs in Cryptochrome. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14745-14754.	2.6	57
17	G-Tensors of the Flavin Adenine Dinucleotide Radicals in Glucose Oxidase: A Comparative Multifrequency Electron Paramagnetic Resonance and Electron Nuclear Double Resonance Study. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3568-3574.	2.6	35
18	Magnetic-field effect on the photoactivation reaction of <i>Escherichia coli</i> DNA photolyase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14395-14399.	7.1	113

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19	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
20	Cryptochrome Blue Light Photoreceptors Are Activated through Interconversion of Flavin Redox States. Journal of Biological Chemistry, 2007, 282, 9383-9391.	3.4	349
21	OOP-ESEEM Spectroscopy: Accuracies of Distances of Spin-Correlated Radical Pairs in Biomolecules. Frontiers in Molecular Biosciences, 0, 9, .	3.5	4