Yevhen O Polyhach

List of Publications by Year
in descending order

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30	1,768	567247 15	477281 29
papers	citations	h-index	g-index

32	32	32	1822
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantification of Redox Sites during Catalytic Propane Oxychlorination by Operando EPR Spectroscopy. Angewandte Chemie - International Edition, 2021, 60, 3596-3602.	13.8	14
2	Quantification of Redox Sites during Catalytic Propane Oxychlorination by Operando EPR Spectroscopy. Angewandte Chemie, 2021, 133, 3640-3646.	2.0	6
3	Innentitelbild: Quantification of Redox Sites during Catalytic Propane Oxychlorination by Operando EPR Spectroscopy (Angew. Chem. 7/2021). Angewandte Chemie, 2021, 133, 3354-3354.	2.0	0
4	Regularized dynamical decoupling noise spectroscopy â€“ a decoherence descriptor for radicals in glassy matrices. Physical Chemistry Chemical Physics, 2021, 23, 21664-21676.	2.8	8
5	Gradual opening of Smc arms in prokaryotic condensin. Cell Reports, 2021, 35, 109051.	6.4	11
6	Reconstruction of Coupled Intra- and Interdomain Protein Motion from Nuclear and Electron Magnetic Resonance. Journal of the American Chemical Society, 2021, 143, 16055-16067.	13.7	13
7	Dynamical decoupling in waterâ€“glycerol glasses: a comparison of nitroxides, trityl radicals and gadolinium complexes. Physical Chemistry Chemical Physics, 2021, 23, 5352-5369.	2.8	10
8	Accessing distributions of exchange and dipolar couplings in stiff molecular rulers with Cu(<scp>ii</scp>) centres. Physical Chemistry Chemical Physics, 2020, 22, 21707-21730.	2.8	9
9	EPR Techniques to Probe Insertion and Conformation of Spin-Labeled Proteins in Lipid Bilayers. Methods in Molecular Biology, 2019, 2003, 493-528.	0.9	7
10	Linear and Kinked Oligo(phenyleneethynylene)s as Ideal Molecular Calibrants for FÃ¶rster Resonance Energy Transfer. Journal of Physical Chemistry Letters, 2019, 10, 6942-6947.	4.6	9
11	Comparison of the functional properties of trimeric and monomeric CaiT of Escherichia coli. Scientific Reports, 2019, 9, 3787.	3.3	4
12	Dynamical decoupling of nitroxides in o-terphenyl: a study of temperature, deuteration and concentration effects. Physical Chemistry Chemical Physics, 2018, 20, 1615-1628.	2.8	36
13	Exploiting Endogenous Surface Defects for Dynamic Nuclear Polarization of Silicon Micro- and Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 25668-25680.	3.1	12
14	Reliable nanometre-range distance distributions from 5-pulse double electron electron resonance. Physical Chemistry Chemical Physics, 2017, 19, 15754-15765.	2.8	16
15	Artefact suppression in 5-pulse double electron electron resonance for distance distribution measurements. Physical Chemistry Chemical Physics, 2017, 19, 15766-15779.	2.8	31
16	Solution structure of discoidal high-density lipoprotein particles with a shortened apolipoprotein A-I. Nature Structural and Molecular Biology, 2017, 24, 187-193.	8.2	105
17	Role of the nucleotidyl cyclase helical domain in catalytically active dimer formation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9821-E9828.	7.1	35
18	Exploring the Strength of the Hâ€¦Bond in Synthetic Models for Heme Proteins: The Importance of the Nâ^'H Acidity of the Distal Base. Chemistry - A European Journal, 2016, 22, 10194-10202.	3.3	9

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19	Water accessibility in a membrane-inserting peptide comparing Overhauser DNP and pulse EPR methods. Journal of Chemical Physics, 2016, 144, 194201.	3.0	20
20	Modeling of the N-terminal Section and the Lumenal Loop of Trimeric Light Harvesting Complex II (LHCII) by Using EPR. Journal of Biological Chemistry, 2015, 290, 26007-26020.	3.4	18
21	Extracellular Loop 4 of the Proline Transporter PutP Controls the Periplasmic Entrance to Ligand Binding Sites. Structure, 2014, 22, 769-780.	3.3	19
22	Distance determination between low-spin ferric haem and nitroxide spin label using DEER: the neuroglobin case. Molecular Physics, 2013, 111, 2855-2864.	1.7	19
23	Suppression of ghost distances in multiple-spin double electronâ€“electron resonance. Physical Chemistry Chemical Physics, 2013, 15, 5854.	2.8	84
24	EPR Techniques to Probe Insertion and Conformation of Spin-Labeled Proteins in Lipid Bilayers. Methods in Molecular Biology, 2013, 974, 329-355.	0.9	11
25	High sensitivity and versatility of the DEER experiment on nitroxide radical pairs at Q-band frequencies. Physical Chemistry Chemical Physics, 2012, 14, 10762.	2.8	173
26	Rotamer libraries of spin labelled cysteines for protein studies. Physical Chemistry Chemical Physics, 2011, 13, 2356-2366.	2.8	406
27	Prediction of favourable sites for spin labelling of proteins. Spectroscopy, 2010, 24, 651-659.	0.8	39
28	Site-Specific Information on Membrane Protein Folding by Electron Spin Echo Envelope Modulation Spectroscopy. Journal of Physical Chemistry Letters, 2010, 1, 663-667.	4.6	20
29	Transmembrane Signaling in the Maltose ABC Transporter MalFGK2-E. Journal of Biological Chemistry, 2009, 284, 17521-17526.	3.4	64
30	Distance measurements on spin-labelled biomacromolecules by pulsed electron paramagnetic resonance. Physical Chemistry Chemical Physics, 2007, 9, 1895.	2.8	557