Goutham Kodali

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/649253/publications.pdf

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22	672	567281 15	677142 22
papers	citations	h-index	g-index

23	23	23	862
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Elementary tetrahelical protein design for diverse oxidoreductase functions. Nature Chemical Biology, 2013, 9, 826-833.	8.0	125
2	Constructing a man-made c-type cytochrome maquette in vivo: electron transfer, oxygen transport and conversion to a photoactive light harvesting maquette.. Chemical Science, 2014, 5, 507-514.	7.4	78
3	Strong Coupling of Localized Surface Plasmons to Excitons in Light-Harvesting Complexes. Nano Letters, 2016, 16, 6850-6856.	9.1	60
4	Engineering oxidoreductases: maquette proteins designed from scratch. Biochemical Society Transactions, 2012, 40, 561-566.	3.4	50
5	Charge Redistribution in Oxidized and Semiquinone E. coli DNA Photolyase upon Photoexcitation: Stark Spectroscopy Reveals a Rationale for the Position of Trp382. Journal of the American Chemical Society, 2009, 131, 4795-4807.	13.7	42
6	Design and engineering of water-soluble light-harvesting protein maquettes. Chemical Science, 2017, 8, 316-324.	7.4	38
7	Engineering the Assembly of Heme Cofactors in Man-Made Proteins. Journal of the American Chemical Society, 2014, 136, 3192-3199.	13.7	36
8	Change in Electronic Structure upon Optical Excitation of 8-Vinyladenosine: An Experimental and Theoretical Study. Journal of Physical Chemistry A, 2010, 114, 256-267.	2.5	24
9	Engineering an Artificial Flavoprotein Magnetosensor. Journal of the American Chemical Society, 2016, 138, 16584-16587.	13.7	23
10	Coexistence of Different Electronâ€Transfer Mechanisms in the DNA Repair Process by Photolyase. Chemistry - A European Journal, 2016, 22, 11371-11381.	3.3	23
11	Differential Fluorescence Quenching of Fluorescent Nucleic Acid Base Analogues by Native Nucleic Acid Monophosphates. Journal of Physical Chemistry B, 2010, 114, 5953-5963.	2.6	20
12	Electronic Transition Dipole Moment Directions of Reduced Anionic Flavin in Stretched Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.6	18
13	Photoinduced Electron Transfer Occurs between 2-Aminopurine and the DNA Nucleic Acid Monophosphates: Results from Cyclic Voltammetry and Fluorescence Quenching. Journal of Physical Chemistry B, 2010, 114, 10573-10580.	2.6	18
14	Multi-step excitation energy transfer engineered in genetic fusions of natural and synthetic light-harvesting proteins. Journal of the Royal Society Interface, 2017, 14, 20160896.	3.4	18
15	De novo synthetic biliprotein design, assembly and excitation energy transfer. Journal of the Royal Society Interface, 2018, 15, 20180021.	3.4	18
16	2-Aminopurine Excited State Electronic Structure Measured by Stark Spectroscopy. Journal of Physical Chemistry B, 2008, 112, 1789-1795.	2.6	16
17	Magnetically Sensitive Radical Photochemistry of Non-natural Flavoproteins. Journal of the American Chemical Society, 2018, 140, 8705-8713.	13.7	16
18	Excited State Charge Redistribution and Dynamics in the Donor-Ï€-Acceptor Flavin Derivative ABFL. Journal of Physical Chemistry B, 2013, 117, 15684-15694.	2.6	15

#	Article	IF	Citations
19	Excited-State Electronic Properties of 6-Methylisoxanthopterin (6-MI): An Experimental and Theoretical Study. Journal of Physical Chemistry B, 2012, 116, 2981-2989.	2.6	11
20	Rational Construction of Compact de Novo-Designed Biliverdin-Binding Proteins. Biochemistry, 2018, 57, 6752-6756.	2.5	11
21	A synthetic biological quantum optical system. Nanoscale, 2018, 10, 13064-13073.	5.6	10
22	Emulating photosynthetic processes with light harvesting synthetic protein (maquette) assemblies on titanium dioxide. Materials Advances, 2020, 1, 1877-1885.	5.4	2