Goutham Kodali

List of Publications by Year
in descending order

22 papers	672 citations	567281 15 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	862 citing authors

#	Article	IF	Citations
1	Emulating photosynthetic processes with light harvesting synthetic protein (maquette) assemblies on titanium dioxide. Materials Advances, 2020, 1, 1877-1885.	5.4	2
2	De novo synthetic biliprotein design, assembly and excitation energy transfer. Journal of the Royal Society Interface, 2018, 15, 20180021.	3.4	18
3	Rational Construction of Compact <i>de Novo-</i>Designed Biliverdin-Binding Proteins. Biochemistry, 2018, 57, 6752-6756.	2.5	11
4	A synthetic biological quantum optical system. Nanoscale, 2018, 10, 13064-13073.	5.6	10
5	Magnetically Sensitive Radical Photochemistry of Non-natural Flavoproteins. Journal of the American Chemical Society, 2018, 140, 8705-8713.	13.7	16
6	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
7	Design and engineering of water-soluble light-harvesting protein maquettes. Chemical Science, 2017, 8, 316-324.	7.4	38
8	Engineering an Artificial Flavoprotein Magnetosensor. Journal of the American Chemical Society, 2016, 138, 16584-16587.	13.7	23
9	Strong Coupling of Localized Surface Plasmons to Excitons in Light-Harvesting Complexes. Nano Letters, 2016, 16, 6850-6856.	9.1	60
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	Engineering the Assembly of Heme Cofactors in Man-Made Proteins. Journal of the American Chemical Society, 2014, 136, 3192-3199.	13.7	36
12	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
13	Elementary tetrahelical protein design for diverse oxidoreductase functions. Nature Chemical Biology, 2013, 9, 826-833.	8.0	125
14	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
15	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
16	Engineering oxidoreductases: maquette proteins designed from scratch. Biochemical Society Transactions, 2012, 40, 561-566.	3.4	50
17	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
18	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

#	Article	IF	Citations
19	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
20	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
21	Electronic Transition Dipole Moment Directions of Reduced Anionic Flavin in Stretched Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock	2.6	18
22	2-Aminopurine Excited State Electronic Structure Measured by Stark Spectroscopy. Journal of Physical Chemistry B, 2008, 112, 1789-1795.	2.6	16