

Ya-Ting Kao

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,438
citations

279798

23
h-index

434195

31
g-index

32
all docs

32
docs citations

32
times ranked

2566
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping hydration dynamics around a protein surface. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18461-18466.	7.1	295
2	Direct observation of thymine dimer repair in DNA by photolyase. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16128-16132.	7.1	233
3	Hydration Dynamics and Time Scales of Coupled Water~Protein Fluctuations. Journal of the American Chemical Society, 2007, 129, 3376-3382.	13.7	232
4	Ultrafast Dynamics of Flavins in Five Redox States. Journal of the American Chemical Society, 2008, 130, 13132-13139.	13.7	206
5	Protein Hydration Dynamics and Molecular Mechanism of Coupled Water~Protein Fluctuations. Journal of the American Chemical Society, 2009, 131, 10677-10691.	13.7	182
6	Protein surface hydration mapped by site-specific mutations. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13979-13984.	7.1	144
7	Dynamics and mechanism of cyclobutane pyrimidine dimer repair by DNA photolyase. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14831-14836.	7.1	144
8	Ultrafast Dynamics and Anionic Active States of the Flavin Cofactor in Cryptochrome and Photolyase. Journal of the American Chemical Society, 2008, 130, 7695-7701.	13.7	132
9	Femtosecond Studies of Tryptophan Fluorescence Dynamics in Proteins:~Local Solvation and Electronic Quenching. Journal of Physical Chemistry B, 2006, 110, 18097-18103.	2.6	89
10	Formation and Function of Flavin Anion Radical in Cryptochrome 1 Blue-Light Photoreceptor of Monarch Butterfly. Journal of Biological Chemistry, 2007, 282, 17608-17612.	3.4	81
11	Ultrafast quenching of tryptophan fluorescence in proteins: Interresidue and intrahelical electron transfer. Chemical Physics, 2008, 350, 154-164.	1.9	76
12	Ultrafast Hydration Dynamics in Melittin Folding and Aggregation:~Helix Formation and Tetramer Self-Assembly. Journal of Physical Chemistry B, 2005, 109, 16901-16910.	2.6	70
13	Ultrafast solvation dynamics at binding and active sites of photolyases. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2914-2919.	7.1	70
14	Comparative Photochemistry of Animal Type 1 and Type 4 Cryptochromes. Biochemistry, 2009, 48, 8585-8593.	2.5	62
15	Electron Tunneling Pathways and Role of Adenine in Repair of Cyclobutane Pyrimidine Dimer by DNA Photolyase. Journal of the American Chemical Society, 2012, 134, 8104-8114.	13.7	59
16	Mapping protein-specific micro-environments in live cells by fluorescence lifetime imaging of a hybrid genetic-chemical molecular rotor tag. Chemical Communications, 2012, 48, 8694.	4.1	51
17	Protein-flexibility mediated coupling between photoswitching kinetics and surrounding viscosity of a photochromic fluorescent protein. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3220-3225.	7.1	45
18	Purification and Characterization of a Type III Photolyase from <i>Caulobacter crescentus</i> . Biochemistry, 2008, 47, 10255-10261.	2.5	44

#	ARTICLE	IF	CITATIONS
19	Femtochemistry in enzyme catalysis: DNA photolyase. <i>Cell Biochemistry and Biophysics</i> , 2007, 48, 32-44.	1.8	38
20	Ultrafast Dynamics of Resonance Energy Transfer in Myoglobin: Probing Local Conformation Fluctuations. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1498-1505.	2.6	33
21	Ultrafast Dynamics of Nonequilibrium Electron Transfer in Photoinduced Redox Cycle: Solvent Mediation and Conformation Flexibility. <i>Journal of Physical Chemistry B</i> , 2012, 116, 9130-9140.	2.6	31
22	Fluorescence lifetime and nonradiative relaxation dynamics of DCM in nonpolar solvent. <i>Chemical Physics Letters</i> , 2003, 374, 110-118.	2.6	28
23	Dynamics and Mechanism of DNA Repair in a Biomimetic System: Flavin-Thymine Dimer Adduct. <i>Journal of the American Chemical Society</i> , 2012, 134, 1501-1503.	13.7	27
24	Production of HCO from propenal photolyzed at 193 nm: Relaxation of excited states and distribution of internal states of fragment HCO. <i>Journal of Chemical Physics</i> , 2001, 114, 8964-8970.	3.0	18
25	Focal switching of photochromic fluorescent proteins enables multiphoton microscopy with superior image contrast. <i>Biomedical Optics Express</i> , 2012, 3, 1955.	2.9	14
26	Observation of Frequency-Domain Fluorescence Anomalous Phase Advance Due to Dark-State Hysteresis. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 461-466.	4.6	13
27	Molecular-Switch-Mediated Multiphoton Fluorescence Microscopy with High-Order Nonlinearity. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2082-2086.	4.6	9
28	Efficient and Reversible Catalysis of Formic Acid-Carbon Dioxide Cycle Using Carbamate-Substituted Ruthenium-Dithiolate Complexes. <i>ChemCatChem</i> , 2021, 13, 4092-4098.	3.7	4
29	Targeted Covalent Inhibitors Allosterically Deactivate the DEDDh Lassa Fever Virus NP Exonuclease from Alternative Distal Sites. <i>Jacs Au</i> , 2021, 1, 2315-2327.	7.9	3
30	A tunable fluorescent timer method for imaging spatial-temporal protein dynamics using light-driven photoconvertible protein. <i>Journal of Biophotonics</i> , 2015, 8, 226-232.	2.3	2
31	Effects of Distal Mutations on Ligand-Binding Affinity in <i>E. coli</i> Dihydrofolate Reductase. <i>ACS Omega</i> , 2021, 6, 26065-26076.	3.5	2
32	Direct observation of DNA repair by photolyase. , 2006, , 407-410.		1