Agathe Espagne

List of Publications by Year
in descending order

30 papers	913 citations	430874 18 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	1038 citing authors

#	Article	IF	Citations
1	Extra kinetic dimensions for label discrimination. Nature Communications, 2022, 13, 1482.	12.8	13
2	Out-of-Phase Imaging after Optical Modulation (OPIOM) for Multiplexed Fluorescence Imaging Under Adverse Optical Conditions. Methods in Molecular Biology, 2021, 2350, 191-227.	0.9	0
3	Ultrafast photoreduction dynamics of a new class of CPD photolyases. Photochemical and Photobiological Sciences, 2021, 20, 733-746.	2.9	2
4	Dynamic contrast with reversibly photoswitchable fluorescent labels for imaging living cells. Chemical Science, 2020, 11, 2882-2887.	7.4	6
5	Ultrafast Oxidation of a Tyrosine by Proton-Coupled Electron Transfer Promotes Light Activation of an Animal-like Cryptochrome. Journal of the American Chemical Society, 2019, 141, 13394-13409.	13.7	37
6	Delocalized hole transport coupled to sub-ns tryptophanyl deprotonation promotes photoreduction of class II photolyases. Physical Chemistry Chemical Physics, 2018, 20, 25446-25457.	2.8	9
7	Macroscale fluorescence imaging against autofluorescence under ambient light. Light: Science and Applications, 2018, 7, 97.	16.6	14
8	Photoinduced Chromophore Hydration in the Fluorescent Protein Dreiklang Is Triggered by Ultrafast Excited-State Proton Transfer Coupled to a Low-Frequency Vibration. Journal of Physical Chemistry Letters, 2017, 8, 1489-1495.	4.6	13
9	Ultrafast flavin photoreduction in an oxidized animal (6-4) photolyase through an unconventional tryptophan tetrad. Physical Chemistry Chemical Physics, 2017, 19, 24493-24504.	2.8	22
10	Ultrafast Dynamics of a Green Fluorescent Protein Chromophore Analogue: Competition between Excited-State Proton Transfer and Torsional Relaxation. Journal of Physical Chemistry B, 2016, 120, 9716-9722.	2.6	17
11	Photoswitching Kinetics and Phaseâ€Sensitive Detection Add Discriminative Dimensions for Selective Fluorescence Imaging. Angewandte Chemie, 2015, 127, 2671-2675.	2.0	35
12	Photoswitching Kinetics and Phaseâ€Sensitive Detection Add Discriminative Dimensions for Selective Fluorescence Imaging. Angewandte Chemie - International Edition, 2015, 54, 2633-2637.	13.8	36
13	Real-Time Monitoring of Chromophore Isomerization and Deprotonation during the Photoactivation of the Fluorescent Protein Dronpa. Journal of Physical Chemistry B, 2015, 119, 2404-2414.	2.6	34
14	Cyan Fluorescent Protein Carries a Constitutive Mutation That Prevents Its Dimerization. Biochemistry, 2011, 50, 437-439.	2.5	26
15	Relationship between Homo-oligomerization of a Mammalian Olfactory Receptor and Its Activation State Demonstrated by Bioluminescence Resonance Energy Transfer. Journal of Biological Chemistry, 2011, 286, 15252-15259.	3.4	38
16	DNA Repair by Photolyase: A Novel Substrate with Low Background Absorption around 265 nm for Transient Absorption Studies in the UV. Biochemistry, 2010, 49, 297-303.	2.5	20
17	Very Fast Product Release and Catalytic Turnover of DNA Photolyase. ChemBioChem, 2009, 10, 1777-1780.	2.6	17
18	Use of ruthenium dyes for subnanosecond detector fidelity testing in real time transient absorption. Review of Scientific Instruments, 2009, 80, 043102.	1.3	28

#	Article	IF	Citations
19	Polarized Transient Absorption To Resolve Electron Transfer between Tryptophans in DNA Photolyase. Journal of Physical Chemistry B, 2008, 112, 6866-6871.	2.6	28
20	Ultrafast light-induced response of photoactive yellow protein chromophore analogues. Photochemical and Photobiological Sciences, 2007, 6, 780.	2.9	27
21	Ultrafast Structural Dynamics of Water Induced by Dissipation of Vibrational Energy. Journal of Physical Chemistry A, 2007, 111, 743-746.	2.5	195
22	Photoinduced charge shift as the driving force for the excited-state relaxation of analogues of the Photoactive Yellow Protein chromophore in solution. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 185, 245-252.	3.9	28
23	Solvent Effect on the Excited-State Dynamics of Analogues of the Photoactive Yellow Protein Chromophore. Journal of Physical Chemistry A, 2006, 110, 3393-3404.	2.5	48
24	Excited-state dynamics of the PYP chromophore in solution. Environment and structure effects. , 2006, , 204-214.		3
25	Ultrafast Photoisomerization of Photoactive Yellow Protein Chromophore Analogues in Solution: Influence of the Protonation State. ChemPhysChem, 2006, 7, 1717-1726.	2.1	63
26	Investigations of the Primary Events in a Bacterial Photoreceptor for Photomotility: Photoactive Yellow Protein (PYP). ChemInform, 2005, 36, no.	0.0	0
27	Investigations of the primary events in a bacterial photoreceptor for photomotility: photoactive yellow protein (PYP). New Journal of Chemistry, 2005, 29, 527.	2.8	37
28	Early molecular events in the photoactive yellow protein: role of the chromophore photophysics. Photochemical and Photobiological Sciences, 2004, 3, 823.	2.9	53
29	Excited-state relaxation dynamics of a PYP chromophore model in solution: influence of the thioester group. Chemical Physics Letters, 2002, 365, 285-291.	2.6	57
30	Ionized aminohydroxycarbene and its isomers: relative stability and unimolecular reactivity. Chemical Physics Letters, 2001, 348, 329-336.	2.6	7