

Agathe Espagne

List of Publications by Year in descending order

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30
papers

913
citations

430874

18
h-index

526287

27
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30
all docs

30
docs citations

30
times ranked

1038
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Structural Dynamics of Water Induced by Dissipation of Vibrational Energy. <i>Journal of Physical Chemistry A</i> , 2007, 111, 743-746.	2.5	195
2	Ultrafast Photoisomerization of Photoactive Yellow Protein Chromophore Analogues in Solution: Influence of the Protonation State. <i>ChemPhysChem</i> , 2006, 7, 1717-1726.	2.1	63
3	Excited-state relaxation dynamics of a PYP chromophore model in solution: influence of the thioester group. <i>Chemical Physics Letters</i> , 2002, 365, 285-291.	2.6	57
4	Early molecular events in the photoactive yellow protein: role of the chromophore photophysics. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 823.	2.9	53
5	Solvent Effect on the Excited-State Dynamics of Analogues of the Photoactive Yellow Protein Chromophore. <i>Journal of Physical Chemistry A</i> , 2006, 110, 3393-3404.	2.5	48
6	Relationship between Homo-oligomerization of a Mammalian Olfactory Receptor and Its Activation State Demonstrated by Bioluminescence Resonance Energy Transfer. <i>Journal of Biological Chemistry</i> , 2011, 286, 15252-15259.	3.4	38
7	Investigations of the primary events in a bacterial photoreceptor for photomotility: photoactive yellow protein (PYP). <i>New Journal of Chemistry</i> , 2005, 29, 527.	2.8	37
8	Ultrafast Oxidation of a Tyrosine by Proton-Coupled Electron Transfer Promotes Light Activation of an Animal-like Cryptochrome. <i>Journal of the American Chemical Society</i> , 2019, 141, 13394-13409.	13.7	37
9	Photoswitching Kinetics and Phase-Sensitive Detection Add Discriminative Dimensions for Selective Fluorescence Imaging. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2633-2637.	13.8	36
10	Photoswitching Kinetics and Phase-Sensitive Detection Add Discriminative Dimensions for Selective Fluorescence Imaging. <i>Angewandte Chemie</i> , 2015, 127, 2671-2675.	2.0	35
11	Real-Time Monitoring of Chromophore Isomerization and Deprotonation during the Photoactivation of the Fluorescent Protein Dronpa. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2404-2414.	2.6	34
12	Photoinduced charge shift as the driving force for the excited-state relaxation of analogues of the Photoactive Yellow Protein chromophore in solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 185, 245-252.	3.9	28
13	Polarized Transient Absorption To Resolve Electron Transfer between Tryptophans in DNA Photolyase. <i>Journal of Physical Chemistry B</i> , 2008, 112, 6866-6871.	2.6	28
14	Use of ruthenium dyes for subnanosecond detector fidelity testing in real time transient absorption. <i>Review of Scientific Instruments</i> , 2009, 80, 043102.	1.3	28
15	Ultrafast light-induced response of photoactive yellow protein chromophore analogues. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 780.	2.9	27
16	Cyan Fluorescent Protein Carries a Constitutive Mutation That Prevents Its Dimerization. <i>Biochemistry</i> , 2011, 50, 437-439.	2.5	26
17	Ultrafast flavin photoreduction in an oxidized animal (6-4) photolyase through an unconventional tryptophan tetrad. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 24493-24504.	2.8	22
18	DNA Repair by Photolyase: A Novel Substrate with Low Background Absorption around 265 nm for Transient Absorption Studies in the UV. <i>Biochemistry</i> , 2010, 49, 297-303.	2.5	20

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19	Very Fast Product Release and Catalytic Turnover of DNA Photolyase. <i>ChemBioChem</i> , 2009, 10, 1777-1780.	2.6	17
20	Ultrafast Dynamics of a Green Fluorescent Protein Chromophore Analogue: Competition between Excited-State Proton Transfer and Torsional Relaxation. <i>Journal of Physical Chemistry B</i> , 2016, 120, 9716-9722.	2.6	17
21	Macroscale fluorescence imaging against autofluorescence under ambient light. <i>Light: Science and Applications</i> , 2018, 7, 97.	16.6	14
22	Photoinduced Chromophore Hydration in the Fluorescent Protein Dreiklang Is Triggered by Ultrafast Excited-State Proton Transfer Coupled to a Low-Frequency Vibration. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1489-1495.	4.6	13
23	Extra kinetic dimensions for label discrimination. <i>Nature Communications</i> , 2022, 13, 1482.	12.8	13
24	Delocalized hole transport coupled to sub-ns tryptophanyl deprotonation promotes photoreduction of class II photolyases. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 25446-25457.	2.8	9
25	Ionized aminohydroxycarbene and its isomers: relative stability and unimolecular reactivity. <i>Chemical Physics Letters</i> , 2001, 348, 329-336.	2.6	7
26	Dynamic contrast with reversibly photoswitchable fluorescent labels for imaging living cells. <i>Chemical Science</i> , 2020, 11, 2882-2887.	7.4	6
27	Excited-state dynamics of the PYP chromophore in solution. <i>Environment and structure effects.</i> , 2006, , 204-214.		3
28	Ultrafast photoreduction dynamics of a new class of CPD photolyases. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 733-746.	2.9	2
29	Investigations of the Primary Events in a Bacterial Photoreceptor for Photomotility: Photoactive Yellow Protein (PYP). <i>ChemInform</i> , 2005, 36, no.	0.0	0
30	Out-of-Phase Imaging after Optical Modulation (OPIOM) for Multiplexed Fluorescence Imaging Under Adverse Optical Conditions. <i>Methods in Molecular Biology</i> , 2021, 2350, 191-227.	0.9	0