

Kazuhiro J Fujimoto

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7317565/publications.pdf>

Version: 2024-02-01

27
papers

405
citations

933447

10
h-index

752698

20
g-index

27
all docs

27
docs citations

27
times ranked

439
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic Coulombic Coupling of Excitation-Energy Transfer in Xanthorhodopsin. <i>Journal of the American Chemical Society</i> , 2009, 131, 14152-14153.	13.7	50
2	Transition-density-fragment interaction combined with transfer integral approach for excitation-energy transfer via charge-transfer states. <i>Journal of Chemical Physics</i> , 2012, 137, 034101.	3.0	45
3	Excited States of Fluorescent Proteins, mKO and DsRed: Chromophore π -Protein Electrostatic Interaction Behind the Color Variations. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2971-2979.	2.6	43
4	Color Tuning in Photofunctional Proteins. <i>ChemPhysChem</i> , 2011, 12, 3106-3115.	2.1	42
5	Transition-density-fragment interaction approach for exciton-coupled circular dichroism spectra. <i>Journal of Chemical Physics</i> , 2010, 133, 124101.	3.0	28
6	Electronic coupling calculations with transition charges, dipoles, and quadrupoles derived from electrostatic potential fitting. <i>Journal of Chemical Physics</i> , 2014, 141, 214105.	3.0	27
7	Protein π -ligand docking using fitness learning-based artificial bee colony with proximity stimuli. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 16412-16417.	2.8	21
8	A theoretical study of crystallochromy: Spectral tuning of solid-state tetracenes. <i>Journal of Chemical Physics</i> , 2013, 139, 084511.	3.0	19
9	3,4-Dibromo-7-Azaindole Modulates Arabidopsis Circadian Clock by Inhibiting Casein Kinase 1 Activity. <i>Plant and Cell Physiology</i> , 2019, 60, 2360-2368.	3.1	17
10	Theoretical study of the opsin shift of deprotonated retinal schiff base in the M state of bacteriorhodopsin. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13107.	2.8	16
11	Vibronic coupling effect on circular dichroism spectrum: Carotenoid π -retinal interaction in xanthorhodopsin. <i>Journal of Chemical Physics</i> , 2017, 146, 095101.	3.0	10
12	Phosphorylation of RNA Polymerase II by CDKC;2 Maintains the Arabidopsis Circadian Clock Period. <i>Plant and Cell Physiology</i> , 2022, 63, 450-462.	3.1	10
13	A Configuration Interaction Picture for a Molecular Environment Using Localized Molecular Orbitals: The Excited States of Retinal Proteins. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 4452-4461.	5.3	9
14	An in silico-designed flavone derivative, 6-fluoro-4-hydroxy-3,5-dimethoxyflavone, has a greater anti-human cytomegalovirus effect than ganciclovir in infected cells. <i>Antiviral Research</i> , 2018, 154, 10-16.	4.1	9
15	Electronic Couplings and Electrostatic Interactions Behind the Light Absorption of Retinal Proteins. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 752700.	3.5	9
16	Chemical biology to dissect molecular mechanisms underlying plant circadian clocks. <i>New Phytologist</i> , 2022, 235, 1336-1343.	7.3	8
17	The anti-human cytomegalovirus drug triclinirib inhibits cyclin-dependent kinase 9. <i>FEBS Open Bio</i> , 2018, 8, 646-654.	2.3	7
18	Excitonic coupling effect on the circular dichroism spectrum of sodium-pumping rhodopsin KR2. <i>Journal of Chemical Physics</i> , 2020, 153, 045101.	3.0	7

#	ARTICLE	IF	CITATIONS
19	Theoretical prediction and experimental verification on enantioselectivity of haloacid dehalogenase I-DEX YL with chloropropionate. <i>Chemical Physics Letters</i> , 2015, 623, 101-107.	2.6	6
20	Machine-Learning- and Knowledge-Based Scoring Functions Incorporating Ligand and Protein Fingerprints. <i>ACS Omega</i> , 2022, 7, 19030-19039.	3.5	6
21	Solid-State Optical Properties and Crystal Structures of 1,4-Dipropoxy-9,10-anthraquinone Polymorphs. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 713-715.	3.2	5
22	Spectral Tuning Mechanism of Photosynthetic Light-Harvesting Complex II Revealed by <i>Ab Initio</i> Dimer Exciton Model. <i>Journal of Physical Chemistry B</i> , 2021, 125, 10459-10470.	2.6	5
23	Theoretical Calculations of Excitation Energy Transfer. , 2015, , 761-777.		3
24	In Silico Analysis and Synthesis of Nafamostat Derivatives and Evaluation of Their Anti-SARS-CoV-2 Activity. <i>Viruses</i> , 2022, 14, 389.	3.3	2
25	Exciton-coupled Circular Dichroism-based Glucose and Galactose Selective Sensing in Aqueous Media with an Anthracene-appended Benzoxaborole Dimer. <i>Chemistry Letters</i> , 2020, 49, 764-767.	1.3	1
26	Quantum Chemical Approaches to Photobiology: Mechanisms of Color Tuning and Excitation-Energy Transfer in Retinal Proteins. <i>Seibutsu Butsuri</i> , 2011, 51, 140-143.	0.1	0
27	Color Tuning in Human Cone Visual Pigments: The Role of the Protein Environment. <i>Progress in Theoretical Chemistry and Physics</i> , 2012, , 489-502.	0.2	0