

Philip J M Johnson

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,151
citations

471371

17
h-index

526166

27
g-index

29
all docs

29
docs citations

29
times ranked

1650
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional spectroscopy of a molecular dimer unveils the effects of vibronic coupling on exciton coherences. <i>Nature Chemistry</i> , 2014, 6, 196-201.	6.6	219
2	Local vibrational coherences drive the primary photochemistry of vision. <i>Nature Chemistry</i> , 2015, 7, 980-986.	6.6	162
3	A compact and cost-effective hard X-ray free-electron laser driven by a high-brightness and low-energy electron beam. <i>Nature Photonics</i> , 2020, 14, 748-754.	15.6	140
4	Femtosecond-to-millisecond structural changes in a light-driven sodium pump. <i>Nature</i> , 2020, 583, 314-318.	13.7	115
5	Coherent control of the isomerization of retinal in bacteriorhodopsin in the high intensity regime. <i>Journal of Chemical Physics</i> , 2011, 134, 085105.	1.2	46
6	Dynamics and mechanism of a light-driven chloride pump. <i>Science</i> , 2022, 375, 845-851.	6.0	43
7	The Primary Photochemistry of Vision Occurs at the Molecular Speed Limit. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4040-4047.	1.2	42
8	Enhancement and maximum in the isobaric specific-heat capacity measurements of deeply supercooled water using ultrafast calorimetry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	42
9	Fast infrared spectroscopy of protein dynamics: advancing sensitivity and selectivity. <i>Current Opinion in Structural Biology</i> , 2015, 34, 1-6.	2.6	40
10	The photocycle and ultrafast vibrational dynamics of bacteriorhodopsin in lipid nanodiscs. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 21310-21320.	1.3	37
11	Stable UV to IR supercontinuum generation in calcium fluoride with conserved circular polarization states. <i>Optics Express</i> , 2009, 17, 21488.	1.7	36
12	Hard X-ray transient grating spectroscopy on bismuth germanate. <i>Nature Photonics</i> , 2021, 15, 499-503.	15.6	31
13	Spin cascade and doming in ferric hemes: Femtosecond X-ray absorption and X-ray emission studies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21914-21920.	3.3	27
14	Laser-Limited Signatures of Quantum Coherence. <i>Journal of Physical Chemistry A</i> , 2016, 120, 3042-3048.	1.1	19
15	Quantifying Biomolecular Recognition with Site-Specific 2D Infrared Probes. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2280-2284.	2.1	19
16	The Speed of Allosteric Signaling Within a Single-Domain Protein. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4262-4267.	2.1	19
17	2D-IR Spectroscopy of an AHA Labeled Photoswitchable PDZ2 Domain. <i>Journal of Physical Chemistry A</i> , 2017, 121, 9435-9445.	1.1	18
18	Azidohomoalanine: A Minimally Invasive, Versatile, and Sensitive Infrared Label in Proteins To Study Ligand Binding. <i>Journal of Physical Chemistry B</i> , 2018, 122, 10118-10125.	1.2	18

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19	Enhanced bandwidth noncollinear optical parametric amplification with a narrowband anamorphic pump. <i>Optics Letters</i> , 2011, 36, 2170.	1.7	16
20	Excited-State Vibronic Dynamics of Bacteriorhodopsin from Two-Dimensional Electronic Photon Echo Spectroscopy and Multiconfigurational Quantum Chemistry. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3889-3896.	2.1	16
21	Pink-beam serial femtosecond crystallography for accurate structure-factor determination at an X-ray free-electron laser. <i>IUCrJ</i> , 2021, 8, 905-920.	1.0	11
22	Comment on "Engineering coherence among excited states in synthetic heterodimer systems". <i>Science</i> , 2014, 344, 1099-1099.	6.0	10
23	Intrinsic phasing of heterodyne-detected multidimensional infrared spectra. <i>Optics Express</i> , 2017, 25, 2928.	1.7	8
24	Anomalous temperature dependence of the experimental x-ray structure factor of supercooled water. <i>Journal of Chemical Physics</i> , 2021, 155, 214501.	1.2	7
25	Lipidic cubic phase serial femtosecond crystallography structure of a photosynthetic reaction centre. <i>Acta Crystallographica Section D: Structural Biology</i> , 2022, 78, 698-708.	1.1	7
26	Femtosecond X-ray spectroscopy of haem proteins. <i>Faraday Discussions</i> , 2021, 228, 312-328.	1.6	2
27	Bandwidth-Enhanced Noncollinear Optical Parametric Amplification via Anamorphic Pumping. , 2010, , .		0
28	Optical second harmonic generation in LiB3O5 modulated by intense femtosecond X-ray pulses. <i>Optics Express</i> , 2020, 28, 11117.	1.7	0