

Hikaru Kuramochi

List of Publications by Year in descending order

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papers

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all docs

42
docs citations

42
times ranked

932
citing authors

#	ARTICLE	IF	CITATIONS
1	A Unified View on Varied Ultrafast Dynamics of the Primary Process in Microbial Rhodopsins. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	12
2	Femtosecond Structural Dynamics of Complex Molecular Systems Studied by Time-Domain Raman Spectroscopy Using Few-Cycle Pulses. <i>Molecular Science</i> , 2021, 15, A0117.	0.2	0
3	Mode-specific Vibrational Analysis of Exciton Delocalization and Structural Dynamics in Conjugated Oligomers. <i>Angewandte Chemie</i> , 2021, 133, 17136-17145.	1.6	0
4	Mode-specific Vibrational Analysis of Exciton Delocalization and Structural Dynamics in Conjugated Oligomers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16999-17008.	7.2	3
5	Tracking Ultrafast Structural Dynamics by Time-Domain Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2021, 143, 9699-9717.	6.6	31
6	Skeletal Structure of the Chromophore of Photoactive Yellow Protein in the Excited State Investigated by Ultraviolet Femtosecond Stimulated Raman Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2021, 125, 6154-6161.	1.2	5
7	Frontispiz: Mode-specific Vibrational Analysis of Exciton Delocalization and Structural Dynamics in Conjugated Oligomers. <i>Angewandte Chemie</i> , 2021, 133, .	1.6	0
8	Frontispiece: Mode-specific Vibrational Analysis of Exciton Delocalization and Structural Dynamics in Conjugated Oligomers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, .	7.2	0
9	Excited-State Proton Transfer Dynamics in LSSmOrange Studied by Time-Resolved Impulsive Stimulated Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7466-7473.	2.1	6
10	Coherent Vibration and Femtosecond Dynamics of the Platinum Complex Oligomers upon Intermolecular Bond Formation in the Excited State. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23154-23161.	7.2	15
11	Controlling the S ₁ Energy Profile by Tuning Excited-State Aromaticity. <i>Journal of the American Chemical Society</i> , 2020, 142, 14985-14992.	6.6	48
12	Time-Domain Observation of Surface-Enhanced Coherent Raman Scattering with 10 ⁵ –10 ⁶ Enhancement. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6305-6311.	2.1	10
13	Comparative Studies of the Fluorescence Properties of Microbial Rhodopsins: Spontaneous Emission Versus Photointermediate Fluorescence. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7361-7367.	1.2	13
14	Coherent Vibration and Femtosecond Dynamics of the Platinum Complex Oligomers upon Intermolecular Bond Formation in the Excited State. <i>Angewandte Chemie</i> , 2020, 132, 23354-23361.	1.6	7
15	Innenrücktitelbild: Coherent Vibration and Femtosecond Dynamics of the Platinum Complex Oligomers upon Intermolecular Bond Formation in the Excited State (<i>Angew. Chem.</i> 51/2020). <i>Angewandte Chemie</i> , 2020, 132, 23547-23547.	1.6	0
16	Femtosecond Polarization Switching in the Crystal of a [CrCo] Dinuclear Complex. <i>Angewandte Chemie</i> , 2020, 132, 15999-16003.	1.6	5
17	Flapping Peryleneimide as a Fluorogenic Dye with High Photostability and Strong Visible-Light Absorption. <i>Angewandte Chemie</i> , 2020, 132, 16572-16577.	1.6	7
18	Flapping Peryleneimide as a Fluorogenic Dye with High Photostability and Strong Visible-Light Absorption. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16430-16435.	7.2	35

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19	Femtosecond Polarization Switching in the Crystal of a [CrCo] Dinuclear Complex. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15865-15869.	7.2	9
20	Protein Dynamics Preceding Photoisomerization of the Retinal Chromophore in Bacteriorhodopsin Revealed by Deep-UV Femtosecond Stimulated Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5422-5427.	2.1	34
21	Fifth-order time-domain Raman spectroscopy of photoactive yellow protein for visualizing vibrational coupling in its excited state. <i>Science Advances</i> , 2019, 5, eaau4490.	4.7	42
22	Ultrafast Dynamics of Heliorhodopsins. <i>Journal of Physical Chemistry B</i> , 2019, 123, 2507-2512.	1.2	24
23	Acid-base equilibrium of the chromophore counterion results in distinct photoisomerization reactivity in the primary event of proteorhodopsin. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25728-25734.	1.3	9
24	Tracking Photoinduced Au-Au Bond Formation through Transient Terahertz Vibrations Observed by Femtosecond Time-Domain Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2019, 141, 19296-19303.	6.6	30
25	Femtosecond Time-Resolved Raman Study of Photoresponsive Proteins. <i>Seibutsu Butsuri</i> , 2019, 59, 026-029.	0.0	0
26	Ultrafast photodissociation dynamics of diphenylcyclopropenone studied by time-resolved impulsive stimulated Raman spectroscopy. <i>Chemical Physics</i> , 2018, 512, 88-92.	0.9	11
27	Metal-Metal Bond Formations in [Au(CN) ₂] ²⁻ (<i>i</i> = <i>n</i>) (Tj ETQq1 1 0.784314 r) <i>Chemistry Letters</i> , 2018, 9, 7085-7089.	2.1	16
28	Broadband stimulated Raman spectroscopy in the deep ultraviolet region. <i>Chemical Physics Letters</i> , 2017, 683, 543-546.	1.2	11
29	Probing the early stages of photoreception in photoactive yellow protein with ultrafast time-domain Raman spectroscopy. <i>Nature Chemistry</i> , 2017, 9, 660-666.	6.6	90
30	Demonstration of a Light-Driven SO ₄ ²⁻ Transporter and Its Spectroscopic Characteristics. <i>Journal of the American Chemical Society</i> , 2017, 139, 4376-4389.	6.6	56
31	Femtosecond time-resolved impulsive stimulated Raman spectroscopy using sub-7-fs pulses: Apparatus and applications. <i>Review of Scientific Instruments</i> , 2016, 87, 043107.	0.6	66
32	Role of Coherent Low-Frequency Motion in Excited-State Proton Transfer of Green Fluorescent Protein Studied by Time-Resolved Impulsive Stimulated Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2016, 138, 3942-3945.	6.6	63
33	Time-Resolved Impulsive Raman Study of Excited State Structures of Green Fluorescent Protein. <i>Springer Proceedings in Physics</i> , 2015, , 539-542.	0.1	2
34	Time-Resolved Impulsive Raman Study of Excited State Structures of Green Fluorescent Protein. , 2014, , .		0
35	Ultraviolet-resonance femtosecond stimulated Raman study of the initial events in photoreceptor chromophore. <i>EPJ Web of Conferences</i> , 2013, 41, 08002.	0.1	1
36	Ultrafast Structural Evolution of Photoactive Yellow Protein Chromophore Revealed by Ultraviolet Resonance Femtosecond Stimulated Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2025-2029.	2.1	84

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37	Excited-State Dynamics of 6-Aza-2-thiothymine and 2-Thiothymine: Highly Efficient Intersystem Crossing and Singlet Oxygen Photosensitization. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8782-8789.	1.2	68
38	Triplet formation of 6-azauridine and singlet oxygen sensitization with UV light irradiation. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5140.	1.3	18
39	Intersystem Crossing to Excited Triplet State of Aza Analogues of Nucleic Acid Bases in Acetonitrile. <i>Journal of Physical Chemistry A</i> , 2009, 113, 12088-12093.	1.1	38
40	A Unified View on Varied Ultrafast Dynamics of the Primary Process in Microbial Rhodopsins. <i>Angewandte Chemie</i> , 0, , .	1.6	1