

Ismael AndrÃ© Heisler

List of Publications by Year in descending order

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62
papers

1,642
citations

257357

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39
g-index

63
all docs

63
docs citations

63
times ranked

1996
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast dynamics in the power stroke of a molecular rotary motor. <i>Nature Chemistry</i> , 2012, 4, 547-551.	6.6	168
2	Low-Frequency Modes of Aqueous Alkali Halide Solutions: Glimpsing the Hydrogen Bonding Vibration. <i>Science</i> , 2010, 327, 857-860.	6.0	135
3	Ultrafast Dynamics in Light-Driven Molecular Rotary Motors Probed by Femtosecond Stimulated Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017, 139, 7408-7414.	6.6	75
4	Reactive Dynamics in Confined Liquids: Ultrafast Torsional Dynamics of Auramine O in Nanoconfined Water in Aerosol OT Reverse Micelles. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1623-1631.	1.2	69
5	THz Spectra and Dynamics of Aqueous Solutions Studied by the Ultrafast Optical Kerr Effect. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2563-2573.	1.2	66
6	Ultrafast Dynamics and Hydrogen-Bond Structure in Aqueous Solutions of Model Peptides. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10684-10691.	1.2	64
7	Low-Frequency Modes of Aqueous Alkali Halide Solutions: An Ultrafast Optical Kerr Effect Study. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1863-1873.	1.2	63
8	Structural Dynamics of Hydrated Phospholipid Surfaces Probed by Ultrafast 2D Spectroscopy of Phosphate Vibrations. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 506-511.	2.1	57
9	Chemically Modulating the Photophysics of the GFP Chromophore. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1571-1577.	1.2	55
10	Two-dimensional electronic spectroscopy based on conventional optics and fast dual chopper data acquisition. <i>Review of Scientific Instruments</i> , 2014, 85, 063103.	0.6	51
11	Two-Dimensional Electronic Spectroscopy of Chlorophyll a: Solvent Dependent Spectral Evolution. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8623-8630.	1.2	50
12	Water Dynamics at Protein Interfaces: Ultrafast Optical Kerr Effect Study. <i>Journal of Physical Chemistry A</i> , 2012, 116, 2678-2685.	1.1	45
13	N ¹⁵ -H Stretching Excitations in Adenosine-Thymidine Base Pairs in Solution: Pair Geometries, Infrared Line Shapes, and Ultrafast Vibrational Dynamics. <i>Journal of Physical Chemistry A</i> , 2013, 117, 594-606.	1.1	43
14	Ultrafast Dynamics of Protein Proton Transfer on Short Hydrogen Bond Potential Energy Surfaces: S65T/H148D GFP.. <i>Journal of the American Chemical Society</i> , 2010, 132, 1452-1453.	6.6	42
15	Reactive Dynamics in Micelles: Auramine O in Solution and Adsorbed on Regular Micelles. <i>Journal of Physical Chemistry B</i> , 2010, 114, 12859-12865.	1.2	39
16	Experimental investigation of partial synchronization in coupled chaotic oscillators. <i>Chaos</i> , 2003, 13, 185-194.	1.0	38
17	Ultrafast Energy Redistribution in Local Hydration Shells of Phospholipids: A Two-Dimensional Infrared Study. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3646-3651.	2.1	38
18	Resolving Vibrational from Electronic Coherences in Two-Dimensional Electronic Spectroscopy: The Role of the Laser Spectrum. <i>Physical Review Letters</i> , 2017, 118, 033001.	2.9	37

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19	A new twist in the photophysics of the GFP chromophore: a volume-conserving molecular torsion couple. <i>Chemical Science</i> , 2018, 9, 1803-1812.	3.7	36
20	Reactive Dynamics in Confined Liquids: Interfacial Charge Effects on Ultrafast Torsional Dynamics in Water Nanodroplets. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1632-1639.	1.2	34
21	Measuring acetic acid dimer modes by ultrafast time-domain Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15573.	1.3	29
22	Time-resolved optical Kerr-effect investigation on CS ₂ /polystyrene mixtures. <i>Journal of Chemical Physics</i> , 2005, 123, 054509.	1.2	28
23	Ultrafast Light-Driven Electron Transfer in a Ru(II)tris(bipyridine)-Labeled Multiheme Cytochrome. <i>Journal of the American Chemical Society</i> , 2019, 141, 15190-15200.	6.6	28
24	Full Characterization of Vibrational Coherence in a Porphyrin Chromophore by Two-Dimensional Electronic Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2015, 119, 95-101.	1.1	27
25	Time-Resolved Twisting Dynamics in a Porphyrin Dimer Characterized by Two-Dimensional Electronic Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2015, 119, 14660-14667.	1.2	26
26	Ultrafast reaction dynamics in nanoscale water droplets confined by ionic surfactants. <i>Faraday Discussions</i> , 0, 145, 185-203.	1.6	25
27	Ultrafast excited state dynamics of the green fluorescent protein chromophore and its kindling fluorescent protein analogue. <i>Faraday Discussions</i> , 2013, 163, 277.	1.6	22
28	Polarization-Resolved Ultrafast Polarizability Relaxation in Polar Aromatic Liquids. <i>Journal of Physical Chemistry B</i> , 2008, 112, 12976-12984.	1.2	20
29	Electronic Energy Transfer in a Subphthalocyanine-Zn Porphyrin Dimer Studied by Linear and Nonlinear Ultrafast Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2019, 123, 5724-5733.	1.1	18
30	Low-frequency isotropic and anisotropic Raman spectra of aromatic liquids. <i>Journal of Chemical Physics</i> , 2010, 132, 174503.	1.2	17
31	Aqueous solvation of amphiphilic solutes: concentration and temperature dependent study of the ultrafast polarisability relaxation dynamics. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 6343.	1.3	17
32	Ultrafast Excited State Dynamics in 9,9-Difluorenylidene. <i>Journal of Physical Chemistry A</i> , 2014, 118, 5961-5968.	1.1	15
33	Ultrafast reaction dynamics of auramine O in a cyclodextrin nanocavity. <i>Journal of Molecular Liquids</i> , 2012, 176, 17-21.	2.3	14
34	Femtosecond stimulated Raman study of the photoactive flavoprotein AppABLUF. <i>Chemical Physics Letters</i> , 2017, 683, 365-369.	1.2	14
35	One- to Two-Exciton Transitions in Perylene Bisimide Dimer Revealed by Two-Dimensional Electronic Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2019, 123, 1594-1601.	1.1	12
36	Tuning the Hydrophobic Interaction: Ultrafast Optical Kerr Effect Study of Aqueous Ionene Solutions. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8900-8908.	1.2	11

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37	Hydroxide Hydrogen Bonding: Probing the Solvation Structure through Ultrafast Time Domain Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1155-1160.	2.1	10
38	Excited state structural dynamics in higher lying electronic states: S2 state of malachite green. <i>Chemical Physics Letters</i> , 2014, 607, 43-46.	1.2	10
39	Spectral Filtering as a Tool for Two-Dimensional Spectroscopy: A Theoretical Model. <i>Journal of Physical Chemistry A</i> , 2018, 122, 6206-6213.	1.1	10
40	Spectrally resolved femtosecond Maker fringes technique. <i>Applied Physics Letters</i> , 2008, 92, 091109.	1.5	9
41	Time resolved structural dynamics of butadiyne-linked porphyrin dimers. <i>Structural Dynamics</i> , 2016, 3, 023608.	0.9	9
42	Exciton-Exciton Annihilation as a Probe of Exciton Diffusion in Large Porphyrin Nanorings. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18416-18425.	1.5	8
43	Raman vibrational dynamics of hydrated ions in the low-frequency spectral region. <i>Journal of Molecular Liquids</i> , 2017, 228, 45-53.	2.3	7
44	Time-Resolved Structural Dynamics of Extended π -Electron Porphyrin Nanoring. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27222-27229.	1.5	6
45	Altered relaxation dynamics of excited state reactions by confinement in reverse micelles probed by ultrafast fluorescence up-conversion. <i>Chemical Society Reviews</i> , 2021, 50, 11486-11502.	18.7	6
46	A comparative investigation of controlling chaos in a Rössler system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 283, 136-139.	1.2	5
47	Characterization of ultrashort pulses by a modified grating-eliminated no-nonsense observation of ultrafast incident laser light E fields (GRENOUILLE) method. <i>Applied Optics</i> , 2005, 44, 3377.	2.1	5
48	Low-frequency modes of the benzoic acid dimer in chloroform observed by the optical Kerr effect. <i>Journal of Chemical Physics</i> , 2011, 135, 134504.	1.2	5
49	Energy Transfer in Aqueously Dispersed Organic Semiconductor Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27946-27953.	1.5	5
50	Non-radiative energy transfer in aqueously dispersed polymeric nanoparticles for photovoltaic applications. <i>Synthetic Metals</i> , 2021, 275, 116740.	2.1	5
51	Femtosecond third-harmonic generation in a glass ceramic containing sodium niobate nanocrystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 1077.	0.9	4
52	Ultrafast proton transfer in the green fluorescent protein: Analysing the instantaneous emission at product state wavelengths. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 234, 21-26.	2.0	4
53	Reactive Dynamics in Confined Water by Reversed Micelles. <i>Lecture Notes in Nanoscale Science and Technology</i> , 2013, , 265-288.	0.4	3
54	Molecular dynamics investigation with the time resolved optical Kerr effect on the CS ₂ -C ₆ H ₆ mixtures. <i>Journal of Chemical Physics</i> , 2006, 125, 184503.	1.2	2

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55	Ultrafast Isomerization Dynamics of a Unidirectional Molecular Rotor Revealed by Femtosecond Stimulated Raman Spectroscopy (FSRS). , 2016, , .		1
56	THz Raman spectra of aqueous solutions of hydrophiles and amphiphiles. , 2013, , .		0
57	Ultrafast ignition of a uni-directional molecular motor. EPJ Web of Conferences, 2013, 41, 05016.	0.1	0
58	Reactive Dynamics in Nanoscale Water droplets Confined in Inverse Micelles. Springer Series in Chemical Physics, 2009, , 313-315.	0.2	0
59	Ultrafast Proton Transfer in Fluorescent and Photochromic Proteins. , 2010, , .		0
60	Ultrafast Polarized Raman as a Probe of Solvation Shell Structure and Dynamics in Aqueous Salt Solutions. , 2010, , .		0
61	Hydrated Phospholipid Surfaces Probed by Ultrafast 2D Spectroscopy of Phosphate Vibrations. , 2014, , .		0
62	Hydrated Phospholipid Surfaces Probed by Ultrafast 2D Spectroscopy of Phosphate Vibrations. Springer Proceedings in Physics, 2015, , 301-304.	0.1	0