

Jens Petersen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

628
citations

16
h-index

24
g-index

37
ext. papers

665
ext. citations

3.6
avg, IF

3.46
L-index

#	Paper	IF	Citations
35	On the quantum and classical control of laser-driven isomerization in the Wigner representation. <i>Journal of Chemical Physics</i> , 2021 , 154, 174103	3.9	0
34	Do Xylylenes Isomerize in Pyrolysis?. <i>ChemPhysChem</i> , 2020 , 21, 1515-1518	3.2	3
33	Exploring the Excited-State Dynamics of Hydrocarbon Radicals, Biradicals, and Carbenes Using Time-Resolved Photoelectron Spectroscopy and Field-Induced Surface Hopping Simulations. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 10643-10662	2.8	7
32	Excited state dynamics and time-resolved photoelectron spectroscopy of para-xylylene. <i>Faraday Discussions</i> , 2018 , 212, 83-100	3.6	6
31	Ultrafast Photodynamics of Glucose. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 19-27	3.4	2
30	Quantum dynamics of isolated molecules: general discussion. <i>Faraday Discussions</i> , 2018 , 212, 281-306	3.6	
29	Molecules in confinement in liquid solvents: general discussion. <i>Faraday Discussions</i> , 2018 , 212, 383-397	3.6	1
28	Femtosecond dynamics of the 2-methylallyl radical: A computational and experimental study. <i>Journal of Chemical Physics</i> , 2017 , 147, 013902	3.9	9
27	Dynamics of Isolated 1,8-Naphthalimide and N-Methyl-1,8-naphthalimide: An Experimental and Computational Study. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 2089-95	2.8	17
26	Vibrationally resolved optical spectra and ultrafast electronic relaxation dynamics of diamantane. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 8701-9	3.6	5
25	Laser-induced fluorescence of free diamondoid molecules. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 4739-49	3.6	15
24	Time-Resolved Study of 1,8-Naphthalic Anhydride and 1,4,5,8-Naphthalene-tetracarboxylic Dianhydride. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 6006-16	2.8	8
23	Photodissociation dynamics of propargylene, HCCCH. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 6294-302	3.6	11
22	Size and shape dependent photoluminescence and excited state decay rates of diamondoids. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 3070-6	3.6	27
21	Tuning Structural and Optical Properties of Thiolate-Protected Silver Clusters by Formation of a Silver Core with Confined Electrons. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 14824-14831	3.8	32
20	Nonlinear absorption dynamics using field-induced surface hopping: zinc porphyrin in water. <i>ChemPhysChem</i> , 2013 , 14, 1377-86	3.2	14
19	Electronic coherence within the semiclassical field-induced surface hopping method: strong field quantum control in K2. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 8299-306	3.6	26

18	Laser pulse trains for controlling excited state dynamics of adenine in water. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 4687-94	3.6	22
17	Synthesis and Spectroscopic Characterization of Diphenylargentate, [(C6H5)2Ag](.). <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1197-201	6.4	15
16	Photodynamics of free and solvated tyrosine. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 8762-70	3.4	17
15	Switching from molecular to bulklike dynamics in electronic relaxation of a small gold cluster. <i>Physical Review A</i> , 2012 , 85,	2.6	17
14	Theoretical Methods for Nonadiabatic Dynamics in the Fly in Complex Systems and its Control by Laser Fields. <i>Progress in Theoretical Chemistry and Physics</i> , 2012 , 299-325	0.6	
13	Multistate Nonadiabatic Dynamics in the Fly in Complex Systems and Its Control by Laser Fields. <i>Advanced Series in Physical Chemistry</i> , 2011 , 497-568		7
12	Gas-Phase Synthesis and Vibronic Action Spectroscopy of Ag2H+. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 548-552	6.4	19
11	Field-induced surface hopping method for probing transition state nonadiabatic dynamics of Ag3. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 8690-6	3.6	27
10	Structural and photochemical properties of organosilver reactive intermediates MeAg2(+) and PhAg2(+). <i>Journal of Physical Chemistry A</i> , 2011 , 115, 9120-7	2.8	23
9	Time-resolved femtosecond photoelectron spectroscopy by field-induced surface hopping. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 3755-65	2.8	51
8	How shaped light discriminates nearly identical biochromophores. <i>Physical Review Letters</i> , 2010 , 105, 073003	7.4	54
7	Tailoring Functionality of Clusters and Their Complexes with Biomolecules by Size, Structures, and Lasers. <i>Science and Technology of Atomic, Molecular, Condensed Matter and Biological Systems</i> , 2010 , 1, 485-516		
6	Laser-field-induced surface-hopping method for the simulation and control of ultrafast photodynamics. <i>Physical Review A</i> , 2009 , 79,	2.6	90
5	Mechanical Activation of AlF3: Changes in Structure and Reactivity. <i>Chemistry of Materials</i> , 2008 , 20, 5406-5413	9.6	19
4	Absorption properties of cationic silver cluster-tryptophan complexes: A model for photoabsorption and photoemission enhancement in nanoparticle-biomolecule systems. <i>Chemical Physics</i> , 2008 , 343, 372-380	2.3	13
3	Optical absorption of isolated silver cluster-tryptophan: A joint experimental and theoretical study. <i>European Physical Journal D</i> , 2007 , 43, 275-278	1.3	6
2	Photoabsorption and photofragmentation of isolated cationic silver cluster-tryptophan hybrid systems. <i>Journal of Chemical Physics</i> , 2007 , 127, 134301	3.9	30
1	Spectroscopy of isolated, mass-selected tryptophan-Ag3 complexes: a model for photoabsorption enhancement in nanoparticle-biomolecule hybrid systems. <i>Journal of Chemical Physics</i> , 2006 , 125, 164328-9	3.9	34

