

Constantine Kosmidis

List of Publications by Year in descending order

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52
papers

888
citations

394421

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477307

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53
docs citations

53
times ranked

787
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the influence of experimental parameters on the interaction of asymmetric $\langle b \rangle$ fields with water isotopologues. Journal of Chemical Physics, 2021, 154, 244306.	3.0	3
2	Enhanced H ₂ ⁺ and D ₂ ⁺ production from water isotopologues: Dependence on laser's wavelength. Chemical Physics Letters, 2020, 756, 137835.	2.6	2
3	Vibrationally mediated photodissociation of water dications. , 2020, , .		0
4	Identification of water fragmentation channels utilizing phase shifts under 1/2 fs laser field irradiation. , 2020, , .		0
5	Controlling intramolecular hydrogen migration by asymmetric laser fields: the water case. Physical Chemistry Chemical Physics, 2019, 21, 11259-11265.	2.8	9
6	Ultrafast laser pulse chirp effects on laser-generated nanoacoustic strains in Silicon. Ultrasonics, 2018, 86, 14-19.	3.9	8
7	Tailored Aggregate-Free Au Nanoparticle Decorations with Sharp Plasmonic Peaks on a U-Type Optical Fiber Sensor by Nanosecond Laser Irradiation. Plasmonics, 2017, 12, 535-543.	3.4	5
8	A microporous Mg ²⁺ MOF with cation exchange properties in a single-crystal-to-single-crystal fashion. Inorganic Chemistry Frontiers, 2017, 4, 530-536.	6.0	19
9	Experimental implementation of a strong two-color asymmetric laser field in the mid-infrared. Laser Physics Letters, 2016, 13, 055301.	1.4	2
10	On the Dynamics of Xylene Isomers Excited in the Vacuum-Ultraviolet (VUV) Region. ChemPhysChem, 2016, 17, 2415-2423.	2.1	6
11	Elucidating the two and three-body fragmentation channels on isotopically labeled nitrous oxide by a two-color asymmetric laser field. Chemical Physics Letters, 2016, 651, 97-102.	2.6	4
12	Phase dependence of OD ⁺ , HOD ⁺ , and H ₃ ⁺ ions released from the deuterated dication of methanol under 1/2 laser field irradiation. International Journal of Mass Spectrometry, 2015, 380, 34-39.	1.5	15
13	Probing the dynamics of highly excited toluene on the fs timescale. Physical Chemistry Chemical Physics, 2015, 17, 31727-31734.	2.8	7
14	Interaction of toluene with two-color asymmetric laser fields: Controlling the directional emission of molecular hydrogen fragments. Journal of Chemical Physics, 2014, 141, 104319.	3.0	20
15	Hydrogen migration in methanol studied under asymmetric fs laser irradiation. Chemical Physics Letters, 2014, 604, 27-32.	2.6	25
16	Single crystal coordinating solvent exchange as a general method for the enhancement of the photoluminescence properties of lanthanide MOFs. Journal of Materials Chemistry A, 2014, 2, 5258.	10.3	50
17	Selective ionization/dissociation of oriented N ₂ O molecules by asymmetric fs laser field. Journal of Chemical Physics, 2013, 139, 104313.	3.0	19
18	Multi-electron dissociative ionization of clusters under picosecond and femtosecond laser irradiation: the case of alkyl-halide clusters. Physical Chemistry Chemical Physics, 2012, 14, 12147.	2.8	15

#	ARTICLE	IF	CITATIONS
19	Formation of Molecular Halide Ions from Alkyl-Halide Clusters Irradiated by ps and fs Laser Pulses. <i>Journal of Physical Chemistry A</i> , 2011, 115, 4186-4194.	2.5	8
20	Multielectron dissociative ionization of CH ₃ I clusters under moderate intensity ps laser irradiation. <i>International Journal of Mass Spectrometry</i> , 2010, 290, 133-141.	1.5	23
21	Angular distribution anisotropy of fragments ejected from methyl iodide clusters: Dependence on fs laser intensity. <i>Chemical Physics Letters</i> , 2010, 499, 31-35.	2.6	8
22	On the deposition mechanisms and the formation of glassy Cu-Zr thin films. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	26
23	Structure and electronic properties of conducting, ternary Ti _x Ta _{1-x} N films. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	48
24	The ejection anisotropy in the Coulomb explosion of some alkyl halide molecules under strong ps laser fields. <i>Chemical Physics Letters</i> , 2009, 467, 281-286.	2.6	1
25	Alignment of Ethyl Halide Molecules (C ₂ H ₅ X, X= I, Br, Cl) Induced by Strong ps Laser Irradiation. <i>Journal of Physical Chemistry A</i> , 2008, 112, 4754-4764.	2.5	5
26	Optical properties, structural parameters, and bonding of highly textured rocksalt tantalum nitride films. <i>Journal of Applied Physics</i> , 2008, 104, 124907.	2.5	31
27	Optimized pulsed laser deposition by wavelength and static electric field control: The case of tetrahedral amorphous carbon films. <i>Journal of Applied Physics</i> , 2007, 101, 124903.	2.5	28
28	Comparative Study of Multielectron Ionization of Alkyl Halides Induced by Picosecond Laser Irradiation. <i>Journal of Physical Chemistry A</i> , 2007, 111, 2839-2851.	2.5	7
29	Dynamic alignment of CH ₃ I by strong picosecond laser pulses. <i>Chemical Physics Letters</i> , 2005, 401, 115-121.	2.6	20
30	Interaction Mechanism of Some Alkyl Iodides with Femtosecond Laser Pulses. <i>Journal of Physical Chemistry A</i> , 2005, 109, 1279-1285.	2.5	18
31	Multielectron dissociative ionization of CH ₃ I under strong picosecond laser irradiation. <i>International Journal of Mass Spectrometry</i> , 2003, 225, 249-259.	1.5	37
32	On the Multielectron Dissociative Ionization of Some Cyclic Aromatic Molecules Induced by Strong Laser Fields. <i>Journal of Physical Chemistry A</i> , 2001, 105, 529-536.	2.5	32
33	Analysis of polycyclic aromatic hydrocarbons (PAHs) using nanosecond laser desorption/femtosecond ionization laser mass spectrometry (FLMS). <i>AIP Conference Proceedings</i> , 2001, , .	0.4	0
34	Ultrafast laser time-of-flight mass analysis of laser-desorbed atoms and molecules. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	0
35	Angular distributions of fragment ions arising from tetrahedral CH ₃ I and isomer identification using intense laser fields. <i>Laser and Particle Beams</i> , 2001, 19, 187-193.	1.0	1
36	Ultrafast laser analysis of nitro-PAHs using laser desorption/femtosecond ionization mass spectrometry. <i>Laser and Particle Beams</i> , 2001, 19, 205-208.	1.0	6

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37	Unusual fragmentation patterns from the dissociation of some small molecules. Laser and Particle Beams, 2000, 18, 417-432.	1.0	5
38	The angular distributions of fragment ions from labelled and unlabelled N ₂ O in intense laser fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, 3779-3794.	1.5	18
39	An investigation of the angular distributions of fragment ions arising from the linear CS ₂ and CO ₂ molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, 5557-5574.	1.5	36
40	Searching for the conformers of n-butylbenzene. International Journal of Quantum Chemistry, 1999, 72, 341-345.	2.0	2
41	The onset of Coulomb explosions in polyatomic molecules. , 1999, 13, 1366-1373.		15
42	Multiply Charged Ions from Aromatic Molecules Following Irradiation in Intense Laser Fields. Journal of Physical Chemistry A, 1999, 103, 2952-2963.	2.5	59
43	Time-of-flight mass spectrometry of aromatic molecules subjected to high intensity laser beams. Rapid Communications in Mass Spectrometry, 1998, 12, 813-820.	1.5	47
44	Dissociative ionization and angular distributions of CS ₂ and its ions. , 1998, , .		2
45	Multiphoton ionization/dissociation of cyclopentanone at the lower Rydberg states. , 1998, , .		0
46	Time-of-flight mass spectrometry of aromatic molecules subjected to high intensity laser beams. Rapid Communications in Mass Spectrometry, 1998, 12, 813-820.	1.5	1
47	The Photo-Dissociative Pathways of Nitromethane Using Femtosecond Laser Pulses at 375 nm. AIP Conference Proceedings, 1997, , .	0.4	1
48	Multiphoton Ionization and Dissociation of Nitromethane Using Femtosecond Laser Pulses at 375 and 750 nm. Journal of Physical Chemistry A, 1997, 101, 817-823.	2.5	63
49	On the Fragmentation of Nitrobenzene and Nitrotoluenes Induced by a Femtosecond Laser at 375 nm. Journal of Physical Chemistry A, 1997, 101, 2264-2270.	2.5	95
50	A tandem reflectron time-of-flight mass spectrometer for the investigation of laser photofragmentation of molecular ions. Rapid Communications in Mass Spectrometry, 1995, 9, 761-766.	1.5	5
51	Multiphoton ionization and dissociation of nitrotoluene isomers by UV laser light. Rapid Communications in Mass Spectrometry, 1994, 8, 607-614.	1.5	29
52	Preresonance Raman spectra of methylpyridines. Journal of Raman Spectroscopy, 1990, 21, 737-741.	2.5	2