

# Constantine Kosmidis

## List of Publications by Year in descending order

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52  
papers

888  
citations

394421

19  
h-index

477307

29  
g-index

53  
all docs

53  
docs citations

53  
times ranked

787  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Fragmentation of Nitrobenzene and Nitrotoluenes Induced by a Femtosecond Laser at 375 nm. <i>Journal of Physical Chemistry A</i> , 1997, 101, 2264-2270.	2.5	95
2	Multiphoton Ionization and Dissociation of Nitromethane Using Femtosecond Laser Pulses at 375 and 750 nm. <i>Journal of Physical Chemistry A</i> , 1997, 101, 817-823.	2.5	63
3	Multiply Charged Ions from Aromatic Molecules Following Irradiation in Intense Laser Fields. <i>Journal of Physical Chemistry A</i> , 1999, 103, 2952-2963.	2.5	59
4	Single crystal coordinating solvent exchange as a general method for the enhancement of the photoluminescence properties of lanthanide MOFs. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5258.	10.3	50
5	Structure and electronic properties of conducting, ternary $Ti_xTa_{1-x}N$ films. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	48
6	Time-of-flight mass spectrometry of aromatic molecules subjected to high intensity laser beams. <i>Rapid Communications in Mass Spectrometry</i> , 1998, 12, 813-820.	1.5	47
7	Multielectron dissociative ionization of CH <sub>3</sub> I under strong picosecond laser irradiation. <i>International Journal of Mass Spectrometry</i> , 2003, 225, 249-259.	1.5	37
8	An investigation of the angular distributions of fragment ions arising from the linear CS <sub>2</sub> and CO <sub>2</sub> molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, 5557-5574.	1.5	36
9	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
10	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
11	Multiphoton ionization and dissociation of nitrotoluene isomers by UV laser light. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 607-614.	1.5	29
12	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
13	On the deposition mechanisms and the formation of glassy Cu-Zr thin films. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	26
14	Hydrogen migration in methanol studied under asymmetric fs laser irradiation. <i>Chemical Physics Letters</i> , 2014, 604, 27-32.	2.6	25
15	Multielectron dissociative ionization of CH <sub>3</sub> I clusters under moderate intensity ps laser irradiation. <i>International Journal of Mass Spectrometry</i> , 2010, 290, 133-141.	1.5	23
16	Dynamic alignment of CH <sub>3</sub> I by strong picosecond laser pulses. <i>Chemical Physics Letters</i> , 2005, 401, 115-121.	2.6	20
17	Interaction of toluene with two-color asymmetric laser fields: Controlling the directional emission of molecular hydrogen fragments. <i>Journal of Chemical Physics</i> , 2014, 141, 104319.	3.0	20
18	Selective ionization/dissociation of oriented N <sub>2</sub> O molecules by asymmetric fs laser field. <i>Journal of Chemical Physics</i> , 2013, 139, 104313.	3.0	19

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19	A microporous Mg <sup>2+</sup> MOF with cation exchange properties in a single-crystal-to-single-crystal fashion. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 530-536.	6.0	19
20	The angular distributions of fragment ions from labelled and unlabelled N <sub>2</sub> O in intense laser fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, 3779-3794.	1.5	18
21	Interaction Mechanism of Some Alkyl Iodides with Femtosecond Laser Pulses. <i>Journal of Physical Chemistry A</i> , 2005, 109, 1279-1285.	2.5	18
22	The onset of Coulomb explosions in polyatomic molecules. , 1999, 13, 1366-1373.		15
23	Multi-electron dissociative ionization of clusters under picosecond and femtosecond laser irradiation: the case of alkyl-halide clusters. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 12147.	2.8	15
24	Phase dependence of OD <sup>+</sup> , HOD <sup>+</sup> , and H <sub>3</sub> <sup>+</sup> ions released from the deuterated dication of methanol under 100/200 laser field irradiation. <i>International Journal of Mass Spectrometry</i> , 2015, 380, 34-39.	1.5	15
25	Controlling intramolecular hydrogen migration by asymmetric laser fields: the water case. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 11259-11265.	2.8	9
26	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
27	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
28	Ultrafast laser pulse chirp effects on laser-generated nanoacoustic strains in Silicon. <i>Ultrasonics</i> , 2018, 86, 14-19.	3.9	8
29	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
30	Probing the dynamics of highly excited toluene on the fs timescale. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 31727-31734.	2.8	7
31	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
32	On the Dynamics of Xylene Isomers Excited in the Vacuum-Ultraviolet (VUV) Region. <i>ChemPhysChem</i> , 2016, 17, 2415-2423.	2.1	6
33	A tandem reflectron time-of-flight mass spectrometer for the investigation of laser photofragmentation of molecular ions. <i>Rapid Communications in Mass Spectrometry</i> , 1995, 9, 761-766.	1.5	5
34	Unusual fragmentation patterns from the dissociation of some small molecules. <i>Laser and Particle Beams</i> , 2000, 18, 417-432.	1.0	5
35	Alignment of Ethyl Halide Molecules (C <sub>2</sub> H <sub>5</sub> 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
36	Tailored Aggregate-Free Au Nanoparticle Decorations with Sharp Plasmonic Peaks on a U-Type Optical Fiber Sensor by Nanosecond Laser Irradiation. <i>Plasmonics</i> , 2017, 12, 535-543.	3.4	5

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37	Elucidating the two and three-body fragmentation channels on isotopically labeled nitrous oxide by a two-color asymmetric laser field. <i>Chemical Physics Letters</i> , 2016, 651, 97-102.	2.6	4
38	Exploring the influence of experimental parameters on the interaction of asymmetric $<b>I_{00}</b>/2<b>I_{00}</b>$ fields with water isotopologues. <i>Journal of Chemical Physics</i> , 2021, 154, 244306.	3.0	3
39	Preresonance Raman spectra of methylpyridines. <i>Journal of Raman Spectroscopy</i> , 1990, 21, 737-741.	2.5	2
40	Dissociative ionization and angular distributions of CS <sub>2</sub> and its ions. , 1998, , .		2
41	Searching for the conformers of n-butylbenzene. <i>International Journal of Quantum Chemistry</i> , 1999, 72, 341-345.	2.0	2
42	Experimental implementation of a strong two-color asymmetric laser field in the mid-infrared. <i>Laser Physics Letters</i> , 2016, 13, 055301.	1.4	2
43	Enhanced H <sub>2</sub> <sup>+</sup> and D <sub>2</sub> <sup>+</sup> production from water isotopologues: Dependence on laser's wavelength. <i>Chemical Physics Letters</i> , 2020, 756, 137835.	2.6	2
44	The Photo-Dissociative Pathways of Nitromethane Using Femtosecond Laser Pulses at 375 nm. <i>AIP Conference Proceedings</i> , 1997, , .	0.4	1
45	Angular distributions of fragment ions arising from tetrahedral CH <sub>3</sub> I and isomer identification using intense laser fields. <i>Laser and Particle Beams</i> , 2001, 19, 187-193.	1.0	1
46	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
47	Time-of-flight mass spectrometry of aromatic molecules subjected to high intensity laser beams. <i>Rapid Communications in Mass Spectrometry</i> , 1998, 12, 813-820.	1.5	1
48	Multiphoton ionization/dissociation of cyclopentanone at the lower Rydberg states. , 1998, , .		0
49	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
50	Ultrafast laser time-of-flight mass analysis of laser-desorbed atoms and molecules. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	0
51	Vibrationally mediated photodissociation of water dications. , 2020, , .		0
52	Identification of water fragmentation channels utilizing phase shifts under $I_{00}/2I_{00}$ fs laser field irradiation. , 2020, , .		0