Asier Longarte

List of Publications by Year
in descending order

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52	1,305	430754	360920
papers	citations	18 h-index	35 g-index

52	52	52	1010
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Conformational Dynamics in a Dipeptide After Single-Mode Vibrational Excitation. Science, 2002, 296, 2369-2373.	6.0	182
2	The infrared and ultraviolet spectra of single conformations of methyl-capped dipeptides: N-acetyl tryptophan amide and N-acetyl tryptophan methyl amide. Journal of Chemical Physics, 2002, 117, 10688-10702.	1.2	122
3	Electronic and Infrared Spectroscopy of Anthranilic Acid in a Supersonic Jet. Journal of Physical Chemistry A, 2003, 107, 4032-4040.	1.1	93
4	Hydride stretch infrared spectra in the excited electronic states of indole and its derivatives: Direct evidence for the [sup 1]Ï€Ïƒ* [sup â^—] state. Journal of Chemical Physics, 2003, 118, 2696.	1.2	90
5	The dynamics of conformational isomerization in flexible biomolecules. I. Hole-filling spectroscopy of N-acetyl tryptophan methyl amide and N-acetyl tryptophan amide. Journal of Chemical Physics, 2004, 120, 133-147.	1.2	84
6	Ultrafast dynamics of aniline in the 294-234 nm excitation range: The role of the Ï€Ïƒ* state. Journal of Chemical Physics, 2011, 135, 054308.	1.2	54
7	Singlet Fission Mediated Photophysics of BODIPY Dimers. Journal of Physical Chemistry Letters, 2018, 9, 641-646.	2.1	42
8	Femtosecond evolution of the pyrrole molecule excited in the near part of its UV spectrum. Journal of Chemical Physics, 2012, 137, 064317.	1.2	39
9	Spectroscopic Consequences of Localized Electronic Excitation in Anthranilic Acid Dimer. Journal of Physical Chemistry A, 2004, 108, 4599-4609.	1.1	38
10	Infrared-induced conformational isomerization and vibrational relaxation dynamics in melatonin and 5-methoxy-N-acetyl tryptophan methyl amide. Journal of Chemical Physics, 2004, 120, 9033-9046.	1.2	35
11	Ultrafast Photophysics of the Isolated Indole Molecule. Journal of Physical Chemistry A, 2012, 116, 2698-2703.	1.1	35
12	IR/UV and UV/UV double-resonance study of guaiacol and eugenol dimers. Journal of Chemical Physics, 2005, 122, 164304.	1.2	32
13	Structural and Vibrational Assignment of p-Methoxyphenethylamine Conformers. Journal of Physical Chemistry A, 2000, 104, 4364-4373.	1.1	30
14	Isomer structures and vibrational assignment of the methyl-p-aminobenzoate(H2O)1 complex. Journal of Chemical Physics, 2000, 112, 3170-3180.	1.2	22
15	Revisiting the relaxation dynamics of isolated pyrrole. Journal of Chemical Physics, 2014, 141, 014303.	1.2	21
16	Ion Kinetic Energy Distributions and Mechanisms of Pulsed Laser Ablation on Al. Journal of Physical Chemistry C, 2008, 112, 16556-16560.	1.5	20
17	Mass-Resolved Infrared Spectroscopy of Complexes without Chromophore by Nonresonant Femtosecond Ionization Detection. Journal of Physical Chemistry A, 2012, 116, 6798-6803.	1.1	19
18	S0, S1, and Ion I0 Binding Energies of the p-Methoxyphenethylamine(H2O)1-4 Complexes. Journal of Physical Chemistry A, 2001, 105, 961-968.	1.1	18

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19	Photophysical characterization of new and efficient synthetic sunscreens. Physical Chemistry Chemical Physics, 2019, 21, 11376-11384.	1.3	18
20	Ultrafast Nonradiative Relaxation Channels of Tryptophan. Journal of Physical Chemistry Letters, 2013, 4, 1928-1932.	2.1	17
21	Experimental and theoretical study of the structures and binding energies of eugenol (H[sub 2]O)[sub n], n=0â€“2. Journal of Chemical Physics, 2004, 121, 209.	1.2	15
22	IR mass-resolved spectroscopy of complexes without chromophore: CyclohexanolÂ·(H2O)n, n = 1â€“3 and cyclohexanol dimer. Journal of Chemical Physics, 2013, 139, 174312.	1.2	15
23	On the ultrashort lifetime of electronically excited thiophenol. Chemical Physics Letters, 2016, 661, 206-209.	1.2	15
24	Photophysics of 1-Aminonaphthalene: A Theoretical and Time-Resolved Experimental Study. Journal of Physical Chemistry A, 2009, 113, 13509-13518.	1.1	14
25	Ultrafast Evolution of Imidazole after Electronic Excitation. Journal of Physical Chemistry A, 2012, 116, 10752-10758.	1.1	14
26	Triplet Mediated Câ€“N Dissociation versus Internal Conversion in Electronically Excited N-Methylpyrrole. Journal of Physical Chemistry Letters, 2016, 7, 1231-1237.	2.1	14
27	Structure and ground and first electronic excited state vibrational modes of the ethyl-p-aminobenzoate conformers. Chemical Physics, 2000, 260, 83-93.	0.9	13
28	Influence of dispersive forces on the final shape of a reverse micelle. Physical Chemistry Chemical Physics, 2015, 17, 2241-2245.	1.3	13
29	A theoretical and experimental study of the ethyl-p-aminobenzoate (H2O)n (n=1â€“4) complexes. Journal of Chemical Physics, 2000, 113, 8531-8540.	1.2	12
30	A time resolved study of S1/S2 electronic coupling in naphthalene. Chemical Physics Letters, 2009, 468, 134-137.	1.2	12
31	Relaxation Dynamics of Naphthalene and 1-Aminonaphthalene in Superexcited States. Journal of Physical Chemistry A, 2009, 113, 952-958.	1.1	12
32	Influence of solvation on the indole photophysics: Ultrafast dynamics of indoleâ€“water clusters. Chemical Physics Letters, 2012, 530, 25-30.	1.2	12
33	Binding energy and structure of the ground, first electronic and ion states of p-methoxyphenethylamine(H2O)1 isomers: a combined experimental and theoretical study. Chemical Physics, 2001, 271, 55-69.	0.9	11
34	Influence of the aliphatic chain on the (hydrogen-bonded) p-aminobenzonitrile complexes with methanol and ethanol. Journal of Chemical Physics, 2003, 119, 9513-9522.	1.2	11
35	Experimental determination of phenol (CH3F)1 complex binding energies in the S0, S1, and I0 states and comparison with ab initio calculations. Journal of Chemical Physics, 2001, 115, 270-276.	1.2	10
36	Coherent Excitation and Relaxation of the Coupled S₁/S₂ Electronic States of Naphthalene. ChemPhysChem, 2010, 11, 3420-3423.	1.0	10

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37	Tracking the Relaxation of 2,5-Dimethylpyrrole by Femtosecond Time-Resolved Photoelectron and Photoion Detection. Journal of Physical Chemistry A, 2015, 119, 3355-3365.	1.1	10
38	Femtosecond Excited State Dynamics of Size Selected Neutral Molecular Clusters. Journal of Physical Chemistry Letters, 2016, 7, 2797-2802.	2.1	10
39	ZEKE-PFI Spectroscopy of Benzocaine. Journal of Physical Chemistry A, 2006, 110, 6010-6015.	1.1	9
40	Structure and identification of the amino-p-phenethylamine conformers. Physical Chemistry Chemical Physics, 2002, 4, 3297-3304.	1.3	8
41	Dynamics of Pyrroles Excited to the 3s/Ï€Ïƒ* State. Journal of Physical Chemistry A, 2019, 123, 8982-8993.	1.1	7
42	Revisiting the Spectroscopy of Water Dimer in Jets. Journal of Physical Chemistry Letters, 2021, 12, 1316-1320.	2.1	7
43	Viewpoint Regarding â€œSinglet Fission Mediated Photophysics of BODIPY Dimersâ€. Journal of Physical Chemistry Letters, 2021, 12, 7439-7441.	2.1	7
44	Laser mass-resolved spectroscopy and theoretical study of methyl-p-aminobenzoate(H2O)n (n=2,3,4) complexes. Journal of Chemical Physics, 2000, 113, 5804-5811.	1.2	6
45	Experimental and theoretical study of methyl-p-aminobenzoate/ammonia complexes. II. MAB(NH3)2â€“4. Journal of Chemical Physics, 2000, 113, 8549-8555.	1.2	5
46	Excited state dynamics of aniline homoclusters. Physical Chemistry Chemical Physics, 2019, 21, 3098-3105.	1.3	5
47	Time-dependent fundamental processes following ns pulsed laser absorption by metallic targets. Chemical Physics Letters, 2010, 486, 60-64.	1.2	4
48	Femtosecond time-resolved photophysics and photodissociation dynamics of 1-iodonaphthalene. Physical Chemistry Chemical Physics, 2010, 12, 7988.	1.3	4
49	Ultrafast dynamics of the ns (n = 3,4) and 3d Rydberg states of O2. Physical Chemistry Chemical Physics, 2013, 15, 4914.	1.3	3
50	An nÏ€* gated decay mediates excited-state lifetimes of isolated azaindoles. Physical Chemistry Chemical Physics, 2020, 22, 18639-18645.	1.3	3
51	A Computational Study of the Structures of thep-Methoxyphenethylamine(H2O)2-4Complexes. Journal of Physical Chemistry A, 2001, 105, 11524-11530.	1.1	2
52	A REMPI and ZEKE-PFI study of 4-amino-3-ethylbenzonitrile. Chemical Physics Letters, 2006, 425, 35-39.	1.2	1