

László Nemes

List of Publications by Year in descending order

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19
papers

428
citations

840776

11
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

447
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas-phase infrared emission spectra of C ₆₀ and C ₇₀ . Temperature-dependent studies. Chemical Physics Letters, 1994, 218, 295-303.	2.6	59
2	Variational quantum mechanical and active database approaches to the rotational-vibrational spectroscopy of ketene, H ₂ CCO. Journal of Chemical Physics, 2011, 135, 094307.	3.0	57
3	Photochemical interferences for laser-induced incandescence of flame-generated soot. Proceedings of the Combustion Institute, 2009, 32, 963-970.	3.9	45
4	Measurement and analysis of atomic and diatomic carbon spectra from laser ablation of graphite. Applied Optics, 2003, 42, 6192.	2.1	36
5	The ground state constants of ketene. Journal of Molecular Spectroscopy, 1992, 156, 501-503.	1.2	35
6	Electronic states of ketene. Journal of Chemical Physics, 1996, 105, 1034-1045.	3.0	35
7	Spontaneous emission from C ₂ (d ³ g) and C ₃ (A ¹ u) during laser irradiation of soot particles. Molecular Physics, 2010, 108, 1013-1025.	1.7	34
8	Time averaged emission spectra of Nd:YAG laser induced carbon plasmas. Journal of Molecular Structure, 2004, 695-696, 211-218.	3.6	28
9	Spontaneous emission from the C ₃ radical in carbon plasma. Applied Optics, 2007, 46, 4032.	2.1	28
10	Laser-induced carbon plasma emission spectroscopic measurements on solid targets and in gas-phase optical breakdown. Applied Optics, 2005, 44, 3661.	2.1	22
11	Observation of the $\hat{1}/2_6 + \hat{1}/2_9$ Band of Ketene via Resonant Coriolis Interaction with $\hat{1}/2_8$. Journal of Molecular Spectroscopy, 1999, 198, 376-380.	1.2	11
12	In situ chemical analysis of geology samples by a rapid simultaneous ultraviolet/visible/near-infrared (UVN) + longwave-infrared laser induced breakdown spectroscopy detection system at standoff distance. Optics Express, 2019, 27, 19596.	3.4	11
13	Spectroscopy of Carbon Containing Diatomic Molecules. , 2011, , 113-165.		8
14	Mid infrared emission spectroscopy of carbon plasma. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 170, 145-149.	3.9	6
15	The numbers of anharmonic potential constants of the fullerenes and. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 5043-5048.	1.5	4
16	Computed low-temperature infrared band contours of C ₇₀ . Journal of Molecular Structure, 1997, 436-437, 25-34.	3.6	4
17	The CH stretching first overtone triad of ketene. Journal of Molecular Spectroscopy, 2003, 219, 335-341.	1.2	3
18	Anharmonicity in the Vibrational Spectra of C ₆₀ and its Implications in Laboratory Spectroscopy and Astrophysics. , 2001, , 301-316.		1

#	ARTICLE	IF	CITATIONS
19	Carbon Vapor and Carbon Plasma Infrared Emission. Journal of Astrophysics & Aerospace Technology, 2017, 05, .	0.1	1