

Jinjun Liu

List of Publications by Year in descending order

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times ranked

463
citing authors

#	ARTICLE	IF	CITATIONS
1	A combined experimental and computational study on the transition of the calcium isopropoxide radical as a candidate for direct laser cooling. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 8749-8762.	2.8	2
2	Laser-Induced Fluorescence Spectroscopy of Large Secondary Alkoxy Radicals: Part I. Spectral Overviews and Vibronic Analysis. <i>Journal of Physical Chemistry A</i> , 2021, 125, 1391-1401.	2.5	4
3	Electronic spectroscopy of the $A^1\tilde{f}2A\hat{\epsilon}^2\hat{\epsilon}^2/A^2\tilde{f}2A\hat{\epsilon}^2\hat{\epsilon}^2\tilde{X}\tilde{f}2A\hat{\epsilon}^2$ transitions of jet-cooled calcium ethoxide radicals: Vibronic structure of alkaline earth monoalkoxide radicals of C_{2v} symmetry. <i>Journal of Chemical Physics</i> , 2021, 155, 024301.	3.0	4
4	Laser-Induced Fluorescence Spectroscopy of Large Secondary Alkoxy Radicals: Part II. Rotational and Fine Structure. <i>Journal of Physical Chemistry A</i> , 2021, 125, 1402-1412.	2.5	3
5	Electroactive Interface for Enabling Spectroelectrochemical Investigations in Evanescent-Wave Cavity-Ring-Down Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 11288-11296.	6.5	5
6	Rotational and fine structure of open-shell molecules in nearly degenerate electronic states. II. Interpretation of experimentally determined interstate coupling parameters of alkoxy radicals. <i>Journal of Chemical Physics</i> , 2020, 153, 174306.	3.0	4
7	Aligning an optical cavity: with reference to cavity ring-down spectroscopy. <i>Applied Optics</i> , 2020, 59, 9464.	1.8	7
8	Laser-induced fluorescence and dispersed-fluorescence spectroscopy of the $\tilde{A}^2E\hat{\epsilon}^2\tilde{X}\tilde{f}2A1$ transition of jet-cooled calcium methoxide (CaOCH ₃) radicals. <i>Journal of Chemical Physics</i> , 2019, 151, 134303.	3.0	18
9	Laser-Induced Fluorescence and Dispersed Fluorescence Spectroscopy of Jet-Cooled Isopentoxo Radicals. <i>Journal of Physical Chemistry A</i> , 2019, 123, 8441-8447.	2.5	3
10	Organopolymer with dual chromophores and fast charge-transfer properties for sustainable photocatalysis. <i>Nature Communications</i> , 2019, 10, 1837.	12.8	22
11	Room-Temperature Cavity Ring-Down Spectroscopy of Methylallyl Peroxy Radicals. <i>Journal of Physical Chemistry A</i> , 2019, 123, 3510-3517.	2.5	4
12	Revealing Long-Range Substituent Effects in the Laser-Induced Fluorescence and Dispersed Fluorescence Spectra of Jet-Cooled CH _x F _{3-x} CH ₂ O (x = 1, 2, 3) Radicals. <i>Journal of Physical Chemistry A</i> , 2019, 123, 10947-10960.	2.5	3
13	ANALYZING THE ROTATIONAL AND SPIN STRUCTURE OF THE TWO LOWEST ELECTRONIC STATES OF ASYMMETRICALLY SUBSTITUTED ALKOXY RADICALS. , 2019, , .		1
14	Rotational and fine structure of open-shell molecules in nearly degenerate electronic states. <i>Journal of Chemical Physics</i> , 2018, 148, 124112.	3.0	11
15	Direct Observation of Tetrahydrofuryl and Tetrahydropyryl Peroxy Radicals via Cavity Ring-Down Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4475-4480.	4.6	6
16	Candidates for direct laser cooling of diatomic molecules with the simplest $\tilde{X}^1\Sigma^+$ ground state. <i>Journal of Chemical Physics</i> , 2018, 148, 124112.	2.8	18
17	Ultrafast Exciton Dynamics in Shape-Controlled Methylammonium Lead Bromide Perovskite Nanostructures: Effect of Quantum Confinement on Charge Carrier Recombination. <i>Journal of Physical Chemistry C</i> , 2017, 121, 28556-28565.	3.1	19
18	Dispersed-fluorescence spectroscopy of jet-cooled calcium ethoxide radical (CaOC ₂ H ₅). <i>Journal of Molecular Spectroscopy</i> , 2016, 330, 142-146.	1.2	10

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19	Dispersed Fluorescence Spectroscopy of Jet-Cooled Isobutoxy and 2-Methyl-1-butoxy Radicals. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6761-6767.	2.5	4
20	Ultrafast charge carrier relaxation and charge transfer processes in CdS/CdTe thin films. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 16760-16766.	2.8	10
21	Molecule-like CdSe Nanoclusters Passivated with Strongly Interacting Ligands: Energy Level Alignment and Photoinduced Ultrafast Charge Transfer Processes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2813-2821.	3.1	19
22	Dispersed Fluorescence Spectroscopy of Jet-Cooled 2-, 3-, and 4-Methylcyclohexoxy Radicals. <i>Journal of Physical Chemistry A</i> , 2015, 119, 6257-6268.	2.5	7
23	Laser-Induced Fluorescence Spectroscopy of Jet-Cooled <i>t</i> -Butoxy. <i>Journal of Physical Chemistry A</i> , 2015, 119, 11804-11812.	2.5	9
24	A DGFETD Port Formulation for Photoconductive Antenna Analysis. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015, 14, 386-389.	4.0	3
25	Jet-Cooled Laser-Induced Fluorescence Spectroscopy of Isopropoxy Radical: Vibronic Analysis of \tilde{A}^1 and \tilde{A}^2 Band Systems. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11852-11870.	2.5	15
26	Jet-Cooled Laser-Induced Fluorescence Spectroscopy of Cyclohexoxy: Rotational and Fine Structure of Molecules in Nearly Degenerate Electronic States. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11871-11890.	2.5	17
27	Charge transfer in rare earth oxide hybrid solar cells. <i>Chemical Physics Letters</i> , 2014, 592, 155-159.	2.6	6
28	Spectroscopic Investigation of Photoinduced Charge-Transfer Processes in FTO/TiO ₂ /N719 Photoanodes with and without Covalent Attachment through Silane-Based Linkers. <i>Journal of Physical Chemistry A</i> , 2013, 117, 13513-13523.	2.5	30
29	Rotationally resolved \tilde{A}^1 electronic spectra of the isopropoxy radical: A comparative study. <i>Journal of Chemical Physics</i> , 2013, 139, 094308.	3.0	20
30	The spectroscopic characterization of the methoxy radical. III. Rotationally resolved \tilde{A}^1 electronic and \tilde{X}^2 submillimeter wave spectra of partially deuterated CH ₂ DO and CHD ₂ O radicals. <i>Journal of Chemical Physics</i> , 2011, 135, 094310.	3.0	21
31	The spectroscopic characterization of the methoxy radical. II. Rotationally resolved \tilde{A}^1 electronic and \tilde{X}^2 microwave spectra of the perdeuteromethoxy radical CD ₃ O. <i>Journal of Chemical Physics</i> , 2009, 130, 074303.	3.0	32
32	The spectroscopic characterization of the methoxy radical. I. Rotationally resolved \tilde{A}^1 electronic spectra of CH ₃ O. <i>Journal of Chemical Physics</i> , 2009, 130, 074302.	3.0	41
33	High resolution spectra and conformational analysis of 2-butoxy radical. <i>Journal of Chemical Physics</i> , 2006, 125, 094316.	3.0	14
34	Jet-cooled laser spectroscopy of the cyclohexoxy radical. <i>Journal of Chemical Physics</i> , 2004, 120, 10579-10593.	3.0	26
35	The rotationally resolved electronic spectra of several conformers of 1-hexoxy and 1-heptoxy. <i>Canadian Journal of Chemistry</i> , 2004, 82, 854-866.	1.1	20