

H Floyd Davis

List of Publications by Year in descending order

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24
papers

594
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687363

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times ranked

474
citing authors

#	ARTICLE	IF	CITATIONS
1	Dimethylcarbene versus Direct Propene Formation in Dimethylketene Photodissociation. Journal of Physical Chemistry A, 2021, 125, 6940-6948.	2.5	3
2	Site-Specific Carbon-Carbon Bond Fission in Photoexcited Propyl Radicals Leads to Isomer-Selective Carbene and Radical Products. Journal of Physical Chemistry Letters, 2021, 12, 11926-11930.	4.6	0
3	Direct Observation of Ethylidene (CH ₃ CH), the Elusive High-Energy Isomer of Ethylene. Journal of Physical Chemistry Letters, 2020, 11, 10476-10481.	4.6	6
4	Subpicosecond HI elimination in the 266 nm photodissociation of branched iodoalkanes. Physical Chemistry Chemical Physics, 2020, 22, 27338-27347.	2.8	3
5	High intensity vacuum ultraviolet and extreme ultraviolet production by noncollinear mixing in laser vaporized media. Review of Scientific Instruments, 2016, 87, 063106.	1.3	5
6	High-intensity coherent vacuum ultraviolet source using unfocussed commercial dye lasers. Review of Scientific Instruments, 2013, 84, 063104.	1.3	22
7	Studies of bimolecular reaction dynamics using pulsed high-intensity vacuum-ultraviolet lasers for photoionization detection. Physical Chemistry Chemical Physics, 2013, 15, 14566.	2.8	13
8	Crossed Molecular Beams Studies of Phenyl Radical Reactions with Propene and <i>trans</i> -2-Butene. Journal of Physical Chemistry A, 2013, 117, 13967-13975.	2.5	8
9	Reactions of Neutral Gas-Phase Yttrium Atoms with Two Cyclohexadiene Isomers. Journal of Physical Chemistry A, 2012, 116, 3508-3513.	2.5	5
10	Photodissociation Dynamics of Gaseous CpCo(CO) ₂ and Ligand Exchange Reactions of CpCoH ₂ with C ₃ H ₄ , C ₃ H ₆ , and NH ₃ . Journal of Physical Chemistry A, 2012, 116, 5039-5044.	2.5	2
11	A Low-Cost Quantitative Absorption Spectrophotometer. Journal of Chemical Education, 2012, 89, 1432-1435.	2.3	91
12	Improved piezoelectric actuators for use in high-speed pulsed valves. Review of Scientific Instruments, 2010, 81, 023106.	1.3	13
13	Collision Complex Lifetimes in the Reaction C ₆ H ₅ + O ₂ → C ₆ H ₅ O + O. Journal of Physical Chemistry Letters, 2010, 1, 1107-1111.	4.6	24
14	C-C versus C-H Bond Activation of Alkynes by Early Second-Row Transition Metal Atoms. Journal of Physical Chemistry A, 2008, 112, 3010-3019.	2.5	21
15	Crossed beams study of the reaction 1CH ₂ +C ₂ H ₂ →C ₃ H ₃ +H. Journal of Chemical Physics, 2004, 121, 6254-6257.	3.0	24
16	REACTIONS OF NEUTRAL TRANSITION METAL ATOMS WITH SMALL MOLECULES IN THE GAS PHASE. Advanced Series in Physical Chemistry, 2004, , 215-280.	1.5	6
17	Competition between C-C and C-H Activation in Reactions of Neutral Yttrium Atoms with Cyclopropane and Propene. Journal of Physical Chemistry A, 2003, 107, 9284-9294.	2.5	28
18	Competition between C-C and C-H Activation in Reactions of Neutral Yttrium Atoms with Four Butene Isomers. Journal of Physical Chemistry A, 2003, 107, 9295-9300.	2.5	15

#	ARTICLE	IF	CITATIONS
19	Oxygen atom Rydberg time-of-flight spectroscopy. <i>Journal of Chemical Physics</i> , 2003, 119, 251-255.	3.0	15
20	Dynamics of CO elimination from reactions of yttrium atoms with formaldehyde, acetaldehyde, and acetone. <i>Journal of Chemical Physics</i> , 2002, 117, 9258-9265.	3.0	28
21	Details of the Potential Energy Surface for the Reaction $Y + H_2CCO$: A Crossed-Beams Study. <i>Journal of Physical Chemistry A</i> , 2002, 106, 11695-11699.	2.5	14
22	Mode-Specific Energy Disposal in the Four-Atom Reaction $OH + D_2 \rightarrow HOD + D$. <i>Science</i> , 2000, 290, 958-961.	12.6	134
23	Reaction Dynamics of Zr and Nb with Ethylene. <i>Journal of Physical Chemistry A</i> , 1999, 103, 3706-3720.	2.5	66
24	Crossed beams study of C-H bond activation: $Mo(5S_2) + CH_4 \rightarrow MoCH_2 + H_2$. <i>Journal of Chemical Physics</i> , 1998, 108, 2665-2668.	3.0	48