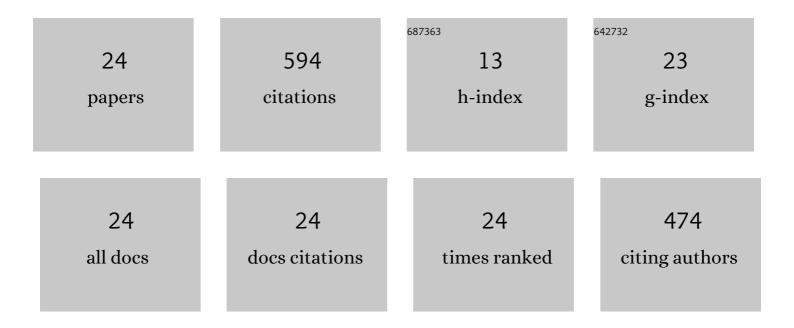
## H Floyd Davis

List of Publications by Year in descending order

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H FLOYD DAVIS

#	Article	IF	CITATIONS
1	Mode-Specific Energy Disposal in the Four-Atom Reaction OH + D2 rightarrow HOD + D. Science, 2000, 290, 958-961.	12.6	134
2	A Low-Cost Quantitative Absorption Spectrophotometer. Journal of Chemical Education, 2012, 89, 1432-1435.	2.3	91
3	Reaction Dynamics of Zr and Nb with Ethylene. Journal of Physical Chemistry A, 1999, 103, 3706-3720.	2.5	66
4	Crossed beams study of C-H bond activation: Mo(5S2)+CH4→MoCH2+H2. Journal of Chemical Physics, 1998, 108, 2665-2668.	3.0	48
5	Dynamics of CO elimination from reactions of yttrium atoms with formaldehyde, acetaldehyde, and acetone. Journal of Chemical Physics, 2002, 117, 9258-9265.	3.0	28
6	Competition between Câ^'C and Câ^'H Activation in Reactions of Neutral Yttrium Atoms with Cyclopropane and Propene. Journal of Physical Chemistry A, 2003, 107, 9284-9294.	2.5	28
7	Crossed beams study of the reaction 1CH2+C2H2→C3H3+H. Journal of Chemical Physics, 2004, 121, 6254-6257.	3.0	24
8	Collision Complex Lifetimes in the Reaction C <sub>6</sub> H <sub>5</sub> + O <sub>2</sub> → C <sub>6</sub> H <sub>5</sub> O + O. Journal of Physical Chemistry Letters, 2010, 1, 1107-1111.	4.6	24
9	High-intensity coherent vacuum ultraviolet source using unfocussed commercial dye lasers. Review of Scientific Instruments, 2013, 84, 063104.	1.3	22
10	Câ^'C versus Câ^'H Bond Activation of Alkynes by Early Second-Row Transition Metal Atoms. Journal of Physical Chemistry A, 2008, 112, 3010-3019.	2.5	21
11	Competition between Câ^'C and Câ^'H Activation in Reactions of Neutral Yttrium Atoms with Four Butene Isomers. Journal of Physical Chemistry A, 2003, 107, 9295-9300.	2.5	15
12	Oxygen atom Rydberg time-of-flight spectroscopy. Journal of Chemical Physics, 2003, 119, 251-255.	3.0	15
13	Details of the Potential Energy Surface for the Reaction Y + H2CCO:  A Crossed-Beams Study. Journal of Physical Chemistry A, 2002, 106, 11695-11699.	2.5	14
14	Improved piezoelectric actuators for use in high-speed pulsed valves. Review of Scientific Instruments, 2010, 81, 023106.	1.3	13
15	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
16	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
17	Direct Observation of Ethylidene (CH <sub>3</sub> CH), the Elusive High-Energy Isomer of Ethylene. Journal of Physical Chemistry Letters, 2020, 11, 10476-10481.	4.6	6
18	REACTIONS OF NEUTRAL TRANSITION METAL ATOMS WITH SMALL MOLECULES IN THE GAS PHASE. Advanced Series in Physical Chemistry, 2004, , 215-280.	1.5	6

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#	Article	IF	CITATIONS
19	Reactions of Neutral Gas-Phase Yttrium Atoms with Two Cyclohexadiene Isomers. Journal of Physical Chemistry A, 2012, 116, 3508-3513.	2.5	5
20	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
21	Dimethylcarbene versus Direct Propene Formation in Dimethylketene Photodissociation. Journal of Physical Chemistry A, 2021, 125, 6940-6948.	2.5	3
22	Subpicosecond HI elimination in the 266 nm photodissociation of branched iodoalkanes. Physical Chemistry Chemical Physics, 2020, 22, 27338-27347.	2.8	3
23	Photodissociation Dynamics of Gaseous CpCo(CO)2 and Ligand Exchange Reactions of CpCoH2 with C3H4, C3H6, and NH3. Journal of Physical Chemistry A, 2012, 116, 5039-5044.	2.5	2
24	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