

# Wen Chao

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17  
papers

1,081  
citations

13  
h-index

17  
g-index

17  
ext. papers

1,253  
ext. citations

9.2  
avg. IF

4.72  
L-index

#	Paper	IF	Citations
17	Atmospheric chemistry. Direct kinetic measurement of the reaction of the simplest Criegee intermediate with water vapor. <i>Science</i> , <b>2015</b> , 347, 751-4	33.3	218
16	Kinetics of a Criegee intermediate that would survive high humidity and may oxidize atmospheric SO <sub>2</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 10857-62	11.5	180
15	Competition between H <sub>2</sub> O and (H <sub>2</sub> O) <sub>2</sub> reactions with CH <sub>2</sub> OO/CH <sub>3</sub> CHOO. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 4557-68	3.6	110
14	The UV absorption spectrum of the simplest Criegee intermediate CH <sub>2</sub> OO. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 10438-43	3.6	106
13	Strong Negative Temperature Dependence of the Simplest Criegee Intermediate CH <sub>2</sub> OO Reaction with Water Dimer. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 2708-13	6.4	105
12	Structure-dependent reactivity of Criegee intermediates studied with spectroscopic methods. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 7483-7497	58.5	99
11	Unimolecular Decomposition Rate of the Criegee Intermediate (CH <sub>3</sub> ) <sub>2</sub> COO Measured Directly with UV Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 4789-98	2.8	65
10	Temperature dependence of the reaction of anti-CHCHOO with water vapor. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 28189-28197	3.6	46
9	Direct kinetic measurements and theoretical predictions of an isoprene-derived Criegee intermediate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 9733-9740	11.5	33
8	Products of Criegee intermediate reactions with NO: experimental measurements and tropospheric implications. <i>Faraday Discussions</i> , <b>2017</b> , 200, 313-330	3.6	27
7	Temperature-Dependent Rate Coefficients for the Reaction of CHOO with Hydrogen Sulfide. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 938-945	2.8	25
6	High resolution quantum cascade laser spectroscopy of the simplest Criegee intermediate, CHOO, between 1273 cm and 1290 cm. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 244302	3.9	19
5	Temperature and isotope effects in the reaction of CHCHOO with methanol. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 13633-13640	3.6	13
4	Effects of water vapor on the reaction of CHOO with NH. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 22589-22597	3.6	11
3	Hydrogen-Bonding Mediated Reactions of Criegee Intermediates in the Gas Phase: Competition between Bimolecular and Termolecular Reactions and the Catalytic Role of Water. <i>Journal of Physical Chemistry A</i> , <b>2019</b> , 123, 8336-8348	2.8	9
2	Synergy of Water and Ammonia Hydrogen Bonding in a Gas-Phase Reaction. <i>Journal of Physical Chemistry A</i> , <b>2019</b> , 123, 1337-1342	2.8	9
1	The role of the iodine-atom adduct in the synthesis and kinetics of methyl vinyl ketone oxide-a resonance-stabilized Criegee intermediate. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 13603-13612	3.6	6

