

Ying-Hsuan Lin

List of Publications by Year in descending order

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62
papers

4,278
citations

136950

32
h-index

118850

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67
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67
docs citations

67
times ranked

3804
citing authors

#	ARTICLE	IF	CITATIONS
1	Decomposition mechanism of α -alkoxyalkyl-hydroperoxides in the liquid phase: temperature dependent kinetics and theoretical calculations. <i>Environmental Science Atmospheres</i> , 2022, 2, 241-251.	2.4	3
2	Formation of Redox-Active Duroquinone from Vaping of Vitamin E Acetate Contributes to Oxidative Lung Injury. <i>Chemical Research in Toxicology</i> , 2022, 35, 254-264.	3.3	12
3	Temperature dependence of emission product distribution from vaping of vitamin E acetate. <i>PLoS ONE</i> , 2022, 17, e0265365.	2.5	5
4	Effects of hydrogenated vegetable oil (HVO) and HVO/biodiesel blends on the physicochemical and toxicological properties of emissions from an off-road heavy-duty diesel engine. <i>Fuel</i> , 2022, 323, 124283.	6.4	21
5	Chemical Structure Regulates the Formation of Secondary Organic Aerosol and Brown Carbon in Nitrate Radical Oxidation of Pyrroles and Methylpyrroles. <i>Environmental Science & Technology</i> , 2022, 56, 7761-7770.	10.0	4
6	Solvent effects on chemical composition and optical properties of extracted secondary brown carbon constituents. <i>Aerosol Science and Technology</i> , 2022, 56, 917-930.	3.1	11
7	Integrative Analysis of lncRNA-mRNA Coexpression in Human Lung Epithelial Cells Exposed to Dimethyl Selenide-Derived Secondary Organic Aerosols. <i>Chemical Research in Toxicology</i> , 2021, 34, 892-900.	3.3	5
8	Synthesis and Electrochemical Properties of Aluminum Hexafluorophosphate. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5903-5908.	4.6	11
9	Contribution of Aerosol Sources to Health Impacts. <i>Atmosphere</i> , 2021, 12, 730.	2.3	8
10	Estimation of the dose of electronic cigarette chemicals deposited in human airways through passive vaping. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, 31, 1008-1016.	3.9	15
11	Carbonyl Composition and Electrophilicity in Vaping Emissions of Flavored and Unflavored E-Liquids. <i>Toxics</i> , 2021, 9, 345.	3.7	9
12	Isoprene-Derived Secondary Organic Aerosol Induces the Expression of MicroRNAs Associated with Inflammatory/Oxidative Stress Response in Lung Cells. <i>Chemical Research in Toxicology</i> , 2020, 33, 381-387.	3.3	22
13	Toxicological responses in human airway epithelial cells (BEAS-2B) exposed to particulate matter emissions from gasoline fuels with varying aromatic and ethanol levels. <i>Science of the Total Environment</i> , 2020, 706, 135732.	8.0	20
14	Time-Dependent Density Functional Theory Investigation of the UV-Vis Spectra of Organonitrogen Chromophores in Brown Carbon. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 311-320.	2.7	15
15	Microbial Cleavage of C-F Bonds in Two C ₆ Per- and Polyfluorinated Compounds via Reductive Defluorination. <i>Environmental Science & Technology</i> , 2020, 54, 14393-14402.	10.0	73
16	Temperature Dependence of Aqueous-Phase Decomposition of α -Hydroxyalkyl-Hydroperoxides. <i>Journal of Physical Chemistry A</i> , 2020, 124, 10288-10295.	2.5	15
17	Chemical and Toxicological Characterization of Vaping Emission Products from Commonly Used Vape Juice Diluents. <i>Chemical Research in Toxicology</i> , 2020, 33, 2157-2163.	3.3	28
18	Structural Characterization of Lactone-Containing MW 212 Organosulfates Originating from Isoprene Oxidation in Ambient Fine Aerosol. <i>Environmental Science & Technology</i> , 2020, 54, 1415-1424.	10.0	11

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19	Role of functional groups in reaction kinetics of dithiothreitol with secondary organic aerosols. <i>Environmental Pollution</i> , 2020, 263, 114402.	7.5	11
20	Compositional Evolution of Secondary Organic Aerosol as Temperature and Relative Humidity Cycle in Atmospherically Relevant Ranges. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2549-2558.	2.7	21
21	Use of Dithiothreitol Assay to Evaluate the Oxidative Potential of Atmospheric Aerosols. <i>Atmosphere</i> , 2019, 10, 571.	2.3	55
22	Brown Carbon Formation from Nighttime Chemistry of Unsaturated Heterocyclic Volatile Organic Compounds. <i>Environmental Science and Technology Letters</i> , 2019, 6, 184-190.	8.7	60
23	Characterization of electrophilicity and oxidative potential of atmospheric carbonyls. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 856-866.	3.5	17
24	Exposure to Dimethyl Selenide (DMSe)-Derived Secondary Organic Aerosol Alters Transcriptomic Profiles in Human Airway Epithelial Cells. <i>Environmental Science & Technology</i> , 2019, 53, 14660-14669.	10.0	13
25	Bioassay-guided purification of sesquiterpenoids from the fruiting bodies of <i>Fomitopsis pinicola</i> and their anti-inflammatory activity. <i>RSC Advances</i> , 2019, 9, 34184-34195.	3.6	5
26	Effect of secondary organic aerosol from isoprene-derived hydroxyhydroperoxides on the expression of oxidative stress response genes in human bronchial epithelial cells. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 332-339.	3.5	28
27	Traffic-Related Particulate Matter and Cardiometabolic Syndrome: A Review. <i>Atmosphere</i> , 2018, 9, 336.	2.3	27
28	Gene Expression Profiling in Human Lung Cells Exposed to Isoprene-Derived Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2017, 51, 8166-8175.	10.0	53
29	Biogenic, urban, and wildfire influences on the molecular composition of dissolved organic compounds in cloud water. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 15167-15180.	4.9	49
30	Ion mobility spectrometry–mass spectrometry (IMS–MS) for on- and offline analysis of atmospheric gas and aerosol species. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3245-3262.	3.1	64
31	In vitro exposure to isoprene-derived secondary organic aerosol by direct deposition and its effects on <i>COX-2</i> and <i>IL-8</i> gene expression. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14079-14090.	4.9	26
32	Assessing the impact of anthropogenic pollution on isoprene-derived secondary organic aerosol formation in $PM_{2.5}$ collected from the Birmingham, Alabama, ground site during the 2013 Southern Oxidant and Aerosol Study. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4897-4914.	4.9	105
33	Chemical characterization of organosulfates in secondary organic aerosol derived from the photooxidation of alkanes. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11001-11018.	4.9	102
34	Constraining condensed-phase formation kinetics of secondary organic aerosol components from isoprene epoxydiols. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1245-1254.	4.9	46
35	Isoprene-Derived Secondary Organic Aerosol Induces the Expression of Oxidative Stress Response Genes in Human Lung Cells. <i>Environmental Science and Technology Letters</i> , 2016, 3, 250-254.	8.7	60
36	Assessing the oxidative potential of isoprene-derived epoxides and secondary organic aerosol. <i>Atmospheric Environment</i> , 2016, 130, 211-218.	4.1	86

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37	Gas and aerosol carbon in California: comparison of measurements and model predictions in Pasadena and Bakersfield. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5243-5258.	4.9	48
38	Heterogeneous Reactions of Isoprene-Derived Epoxides: Reaction Probabilities and Molar Secondary Organic Aerosol Yield Estimates. <i>Environmental Science and Technology Letters</i> , 2015, 2, 38-42.	8.7	89
39	Evidence for an Unrecognized Secondary Anthropogenic Source of Organosulfates and Sulfonates: Gas-Phase Oxidation of Polycyclic Aromatic Hydrocarbons in the Presence of Sulfate Aerosol. <i>Environmental Science & Technology</i> , 2015, 49, 6654-6664.	10.0	151
40	Application of chemical vapor generation systems to deliver constant gas concentrations for <i>in vitro</i> exposure to volatile organic compounds. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 2703-2710.	3.5	5
41	Light-Absorbing Oligomer Formation in Secondary Organic Aerosol from Reactive Uptake of Isoprene Epoxydiols. <i>Environmental Science & Technology</i> , 2014, 48, 12012-12021.	10.0	143
42	On the origin of water-soluble organic tracer compounds in fine aerosols in two cities: the case of Los Angeles and Barcelona. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11649-11660.	5.3	7
43	Diurnal cycle of fossil and nonfossil carbon using radiocarbon analyses during CalNex. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6818-6835.	3.3	82
44	Secondary Organic Aerosol Formation via 2-Methyl-3-buten-2-ol Photooxidation: Evidence of Acid-Catalyzed Reactive Uptake of Epoxides. <i>Environmental Science and Technology Letters</i> , 2014, 1, 242-247.	8.7	42
45	Aromatic organosulfates in atmospheric aerosols: Synthesis, characterization, and abundance. <i>Atmospheric Environment</i> , 2014, 94, 366-373.	4.1	71
46	Epoxide Pathways Improve Model Predictions of Isoprene Markers and Reveal Key Role of Acidity in Aerosol Formation. <i>Environmental Science & Technology</i> , 2013, 47, 11056-11064.	10.0	222
47	Sources, Composition and Absorption Å...ngstrÅm Exponent of Light-absorbing Organic Components in Aerosol Extracts from the Los Angeles Basin. <i>Environmental Science & Technology</i> , 2013, 47, 3685-3693.	10.0	344
48	The effects of Î±-pinene versus toluene-derived secondary organic aerosol exposure on the expression of markers associated with vascular disease. <i>Inhalation Toxicology</i> , 2013, 25, 309-324.	1.6	24
49	Epoxide as a precursor to secondary organic aerosol formation from isoprene photooxidation in the presence of nitrogen oxides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6718-6723.	7.1	266
50	Detailed chemical characterization of unresolved complex mixtures in atmospheric organics: Insights into emission sources, atmospheric processing, and secondary organic aerosol formation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6783-6796.	3.3	69
51	Investigating the influences of SO ₂ and NH ₃ levels on isoprene-derived secondary organic aerosol formation using conditional sampling approaches. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 8457-8470.	4.9	151
52	Organic aerosol composition and sources in Pasadena, California, during the 2010 CalNex campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9233-9257.	3.3	231
53	Modelling of secondary organic aerosol formation from isoprene photooxidation chamber studies using different approaches. <i>Environmental Chemistry</i> , 2013, 10, 194.	1.5	7
54	Gaseous VOCs rapidly modify particulate matter and its biological effects – Part 1: Simple VOCs and model PM. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 12277-12292.	4.9	37

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55	Technical Note: Synthesis of isoprene atmospheric oxidation products: isomeric epoxydiols and the rearrangement products <i>cis</i>- and <i>trans</i>-3-methyl-3,4-dihydroxytetrahydrofuran. Atmospheric Chemistry and Physics, 2012, 12, 8529-8535.	4.9	81
56	Gaseous VOCs rapidly modify particulate matter and its biological effects – Part 2: Complex urban VOCs and model PM. Atmospheric Chemistry and Physics, 2012, 12, 12293-12312.	4.9	15
57	Secondary organic aerosol formation from methacrolein photooxidation: roles of NO _x level, relative humidity and aerosol acidity. Environmental Chemistry, 2012, 9, 247.	1.5	58
58	Isoprene Epoxydiols as Precursors to Secondary Organic Aerosol Formation: Acid-Catalyzed Reactive Uptake Studies with Authentic Compounds. Environmental Science & Technology, 2012, 46, 250-258.	10.0	363
59	Light-absorbing soluble organic aerosol in Los Angeles and Atlanta: A contrast in secondary organic aerosol. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	190
60	Effect of relative humidity on SOA formation from isoprene/NO photooxidation: enhancement of 2-methylglyceric acid and its corresponding oligoesters under dry conditions. Atmospheric Chemistry and Physics, 2011, 11, 6411-6424.	4.9	201
61	Analysis of steroid estrogens in water using liquid chromatography/tandem mass spectrometry with chemical derivatizations. Rapid Communications in Mass Spectrometry, 2007, 21, 1973-1983.	1.5	94
62	Determining estrogenic steroids in Taipei waters and removal in drinking water treatment using high-flow solid-phase extraction and liquid chromatography/tandem mass spectrometry. Science of the Total Environment, 2007, 378, 352-365.	8.0	160