Ying-Hsuan Lin

List of Publications by Year
in descending order

62 papers	4,278 citations	136950 32 h-index	118850 62 g-index
67 all docs	67 docs citations	67 times ranked	3804 citing authors

#	Article	IF	Citations
1	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
2	Sources, Composition and Absorption Ã…ngstrÃ¶m Exponent of Light-absorbing Organic Components in Aerosol Extracts from the Los Angeles Basin. Environmental Science & Technology, 2013, 47, 3685-3693.	10.0	344
3	Epoxide as a precursor to secondary organic aerosol formation from isoprene photooxidation in the presence of nitrogen oxides. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6718-6723.	7.1	266
4	Organic aerosol composition and sources in Pasadena, California, during the 2010 CalNex campaign. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9233-9257.	3.3	231
5	Epoxide Pathways Improve Model Predictions of Isoprene Markers and Reveal Key Role of Acidity in Aerosol Formation. Environmental Science & Technology, 2013, 47, 11056-11064.	10.0	222
6	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
7	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
8	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
9	Investigating the influences of SO₂ and NH₃ levels on isoprene-derived secondary organic aerosol formation using conditional sampling approaches. Atmospheric Chemistry and Physics, 2013, 13, 8457-8470.	4.9	151
10	Evidence for an Unrecognized Secondary Anthropogenic Source of Organosulfates and Sulfonates: Gas-Phase Oxidation of Polycyclic Aromatic Hydrocarbons in the Presence of Sulfate Aerosol. Environmental Science & Technology, 2015, 49, 6654-6664.	10.0	151
11	Light-Absorbing Oligomer Formation in Secondary Organic Aerosol from Reactive Uptake of Isoprene Epoxydiols. Environmental Science & Technology, 2014, 48, 12012-12021.	10.0	143
12	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 OxidantÂand Aerosol Study. Atmospheric Chemistry and Physics, 2016, 16, 4897-4914.	4.9	105
13	Chemical characterization of organosulfates in secondary organic aerosol derived from the photooxidation of alkanes. Atmospheric Chemistry and Physics, 2016, 16, 11001-11018.	4.9	102
14	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
15	Heterogeneous Reactions of Isoprene-Derived Epoxides: Reaction Probabilities and Molar Secondary Organic Aerosol Yield Estimates. Environmental Science and Technology Letters, 2015, 2, 38-42.	8.7	89
16	Assessing the oxidative potential of isoprene-derived epoxides and secondary organic aerosol. Atmospheric Environment, 2016, 130, 211-218.	4.1	86
17	Diurnal cycle of fossil and nonfossil carbon using radiocarbon analyses during CalNex. Journal of Geophysical Research D: Atmospheres, 2014, 119, 6818-6835.	3.3	82
18	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

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19	Microbial Cleavage of Câ€“F Bonds in Two C₆ Per- and Polyfluorinated Compounds via Reductive Defluorination. Environmental Science & Technology, 2020, 54, 14393-14402.	10.0	73
20	Aromatic organosulfates in atmospheric aerosols: Synthesis, characterization, and abundance. Atmospheric Environment, 2014, 94, 366-373.	4.1	71
21	Detailed chemical characterization of unresolved complex mixtures in atmospheric organics: Insights into emission sources, atmospheric processing, and secondary organic aerosol formation. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6783-6796.	3.3	69
22	Ion mobility spectrometryâ€“mass spectrometry (IMSâ€“MS) for on- and offline analysis of atmospheric gas and aerosol species. Atmospheric Measurement Techniques, 2016, 9, 3245-3262.	3.1	64
23	Isoprene-Derived Secondary Organic Aerosol Induces the Expression of Oxidative Stress Response Genes in Human Lung Cells. Environmental Science and Technology Letters, 2016, 3, 250-254.	8.7	60
24	Brown Carbon Formation from Nighttime Chemistry of Unsaturated Heterocyclic Volatile Organic Compounds. Environmental Science and Technology Letters, 2019, 6, 184-190.	8.7	60
25	Secondary organic aerosol formation from methacrolein photooxidation: roles of NOx level, relative humidity and aerosol acidity. Environmental Chemistry, 2012, 9, 247.	1.5	58
26	Use of Dithiothreitol Assay to Evaluate the Oxidative Potential of Atmospheric Aerosols. Atmosphere, 2019, 10, 571.	2.3	55
27	Gene Expression Profiling in Human Lung Cells Exposed to Isoprene-Derived Secondary Organic Aerosol. Environmental Science & Technology, 2017, 51, 8166-8175.	10.0	53
28	Biogenic, urban, and wildfire influences on the molecular composition of dissolved organic compounds in cloud water. Atmospheric Chemistry and Physics, 2017, 17, 15167-15180.	4.9	49
29	Gas and aerosol carbon in California: comparison of measurements and model predictions in Pasadena and Bakersfield. Atmospheric Chemistry and Physics, 2015, 15, 5243-5258.	4.9	48
30	Constraining condensed-phase formation kinetics of secondary organic aerosol components from isoprene epoxydiols. Atmospheric Chemistry and Physics, 2016, 16, 1245-1254.	4.9	46
31	Secondary Organic Aerosol Formation via 2-Methyl-3-buten-2-ol Photooxidation: Evidence of Acid-Catalyzed Reactive Uptake of Epoxides. Environmental Science and Technology Letters, 2014, 1, 242-247.	8.7	42
32	Gaseous VOCs rapidly modify particulate matter and its biological effects â€“ Part 1: Simple VOCs and model PM. Atmospheric Chemistry and Physics, 2012, 12, 12277-12292.	4.9	37
33	Effect of secondary organic aerosol from isoprene-derived hydroxyhydroperoxides on the expression of oxidative stress response genes in human bronchial epithelial cells. Environmental Sciences: Processes and Impacts, 2018, 20, 332-339.	3.5	28
34	Chemical and Toxicological Characterization of Vaping Emission Products from Commonly Used Vape Juice Diluents. Chemical Research in Toxicology, 2020, 33, 2157-2163.	3.3	28
35	Traffic-Related Particulate Matter and Cardiometabolic Syndrome: A Review. Atmosphere, 2018, 9, 336.	2.3	27
36	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. Atmospheric Chemistry and Physics, 2016, 16, 14079-14090.	4.9	26

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37	The effects of Î±-pinene versus toluene-derived secondary organic aerosol exposure on the expression of markers associated with vascular disease. Inhalation Toxicology, 2013, 25, 309-324.	1.6	24
38	Isoprene-Derived Secondary Organic Aerosol Induces the Expression of MicroRNAs Associated with Inflammatory/Oxidative Stress Response in Lung Cells. Chemical Research in Toxicology, 2020, 33, 381-387.	3.3	22
39	Compositional Evolution of Secondary Organic Aerosol as Temperature and Relative Humidity Cycle in Atmospherically Relevant Ranges. ACS Earth and Space Chemistry, 2019, 3, 2549-2558.	2.7	21
40	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. Fuel, 2022, 323, 124283.	6.4	21
41	Toxicological responses in human airway epithelial cells (BEAS-2B) exposed to particulate matter emissions from gasoline fuels with varying aromatic and ethanol levels. Science of the Total Environment, 2020, 706, 135732.	8.0	20
42	Characterization of electrophilicity and oxidative potential of atmospheric carbonyls. Environmental Sciences: Processes and Impacts, 2019, 21, 856-866.	3.5	17
43	Gaseous VOCs rapidly modify particulate matter and its biological effects â€“ Part 2: Complex urban VOCs and model PM. Atmospheric Chemistry and Physics, 2012, 12, 12293-12312.	4.9	15
44	Time-Dependent Density Functional Theory Investigation of the UVâ€“Vis Spectra of Organonitrogen Chromophores in Brown Carbon. ACS Earth and Space Chemistry, 2020, 4, 311-320.	2.7	15
45	Temperature Dependence of Aqueous-Phase Decomposition of Î±-Hydroxyalkyl-Hydroperoxides. Journal of Physical Chemistry A, 2020, 124, 10288-10295.	2.5	15
46	Estimation of the dose of electronic cigarette chemicals deposited in human airways through passive vaping. Journal of Exposure Science and Environmental Epidemiology, 2021, 31, 1008-1016.	3.9	15
47	Exposure to Dimethyl Selenide (DMSe)-Derived Secondary Organic Aerosol Alters Transcriptomic Profiles in Human Airway Epithelial Cells. Environmental Science & Technology, 2019, 53, 14660-14669.	10.0	13
48	Formation of Redox-Active Duroquinone from Vaping of Vitamin E Acetate Contributes to Oxidative Lung Injury. Chemical Research in Toxicology, 2022, 35, 254-264.	3.3	12
49	Structural Characterization of Lactone-Containing MW 212 Organosulfates Originating from Isoprene Oxidation in Ambient Fine Aerosol. Environmental Science & Technology, 2020, 54, 1415-1424.	10.0	11
50	Role of functional groups in reaction kinetics of dithiothreitol with secondary organic aerosols. Environmental Pollution, 2020, 263, 114402.	7.5	11
51	Synthesis and Electrochemical Properties of Aluminum Hexafluorophosphate. Journal of Physical Chemistry Letters, 2021, 12, 5903-5908.	4.6	11
52	Solvent effects on chemical composition and optical properties of extracted secondary brown carbon constituents. Aerosol Science and Technology, 2022, 56, 917-930.	3.1	11
53	Carbonyl Composition and Electrophilicity in Vaping Emissions of Flavored and Unflavored E-Liquids. Toxics, 2021, 9, 345.	3.7	9
54	Contribution of Aerosol Sources to Health Impacts. Atmosphere, 2021, 12, 730.	2.3	8

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55	Modelling of secondary organic aerosol formation from isoprene photooxidation chamber studies using different approaches. Environmental Chemistry, 2013, 10, 194.	1.5	7
56	On the origin of water-soluble organic tracer compounds in fine aerosols in two cities: the case of Los Angeles and Barcelona. Environmental Science and Pollution Research, 2014, 21, 11649-11660.	5.3	7
57	Application of chemical vapor generation systems to deliver constant gas concentrations for in vitro exposure to volatile organic compounds. Environmental Sciences: Processes and Impacts, 2014, 16, 2703-2710.	3.5	5
58	Bioassay-guided purification of sesquiterpenoids from the fruiting bodies of Fomitopsis pinicola and their anti-inflammatory activity. RSC Advances, 2019, 9, 34184-34195.	3.6	5
59	Integrative Analysis of lncRNAâ€“mRNA Coexpression in Human Lung Epithelial Cells Exposed to Dimethyl Selenide-Derived Secondary Organic Aerosols. Chemical Research in Toxicology, 2021, 34, 892-900.	3.3	5
60	Temperature dependence of emission product distribution from vaping of vitamin E acetate. PLoS ONE, 2022, 17, e0265365.	2.5	5
61	Chemical Structure Regulates the Formation of Secondary Organic Aerosol and Brown Carbon in Nitrate Radical Oxidation of Pyrroles and Methylpyrroles. Environmental Science & Technology, 2022, 56, 7761-7770.	10.0	4
62	Decomposition mechanism of Î±-alkoxyalkyl-hydroperoxides in the liquid phase: temperature dependent kinetics and theoretical calculations. Environmental Science Atmospheres, 2022, 2, 241-251.	2.4	3