David T Allen

List of Publications by Year
in descending order

305 papers	4,880 citations	109137 35 h-index	123241 61 g-index
308 all docs	308 docs citations	308 times ranked	4453 citing authors

#	Article	IF	Citations
1	Assessment of methane emissions from the U.S. oil and gas supply chain. Science, 2018, 361, 186-188.	6.0	519
2	Measurements of methane emissions at natural gas production sites in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17768-17773.	3.3	455
3	Direct evidence for chlorine-enhanced urban ozone formation in Houston, Texas. Atmospheric Environment, 2003, 37, 1393-1400.	1.9	134
4	Methane Emissions from Process Equipment at Natural Gas Production Sites in the United States: Pneumatic Controllers. Environmental Science & Technology, 2015, 49, 633-640.	4.6	123
5	Super-emitters in natural gas infrastructure are caused by abnormal process conditions. Nature Communications, 2017, 8, 14012.	5.8	118
6	Analysis of motor vehicle emissions in a Houston tunnel during the Texas Air Quality Study 2000. Atmospheric Environment, 2004, 38, 3363-3372.	1.9	116
7	Air pollutant emissions associated with forest, grassland, and agricultural burning in Texas. Atmospheric Environment, 2002, 36, 3779-3792.	1.9	109
8	Hydrocarbon emissions from industrial release events in the Houston-Galveston area and their impact on ozone formation. Atmospheric Environment, 2005, 39, 3785-3798.	1.9	97
9	Anthropogenic Sources of Chlorine and Ozone Formation in Urban Atmospheres. Environmental Science & Technology, 2000, 34, 4470-4473.	4.6	90
10	Methane Emissions from Process Equipment at Natural Gas Production Sites in the United States: Liquid Unloadings. Environmental Science & Technology, 2015, 49, 641-648.	4.6	86
11	Measuring Corporate Environmental Performance: The ICI Environmental Burden System. Journal of Industrial Ecology, 1997, 1, 117-127.	2.8	76
12	Daily, Seasonal, and Spatial Trends in PM2.5Mass and Composition in Southeast Texas Special Issue ofAerosol Science and Technologyon Findings from the Fine Particulate Matter Supersites Program. Aerosol Science and Technology, 2004, 38, 14-26.	1.5	76
13	Measurement and analysis of atmospheric concentrations of isoprene and its reaction products in central Texas. Atmospheric Environment, 2001, 35, 1001-1013.	1.9	75
14	Preparing future engineers for challenges of the 21st century: Sustainable engineering. Journal of Cleaner Production, 2010, 18, 698-701.	4.6	75
15	Emissions from oil and gas operations in the United States and their air quality implications. Journal of the Air and Waste Management Association, 2016, 66, 549-575.	0.9	66
16	Methane emissions from natural gas production and use: reconciling bottom-up and top-down measurements. Current Opinion in Chemical Engineering, 2014, 5, 78-83.	3.8	65
17	Sustainability in Engineering Education and Research at U.S. Universities. Environmental Science & Technology, 2009, 43, 5558-5564.	4.6	63
18	Assessment of the effects of straw burning bans in China: Emissions, air quality, and health impacts. Science of the Total Environment, 2021, 789, 147935.	3.9	63

#	ARTICLE	IF	CITATIONS
19	Fine particulate matter source attribution for Southeast Texas using14C/13C ratios. Journal of Geophysical Research, 2002, 107, ACH 3-1.	3.3	60
20	Sensitivity of urban ozone formation to chlorine emission estimates. Atmospheric Environment, 2002, 36, 4991-5003.	1.9	60
21	Green engineering: Environmentally conscious design of chemical processes and products. AICHE Journal, 2001, 47, 1906-1910.	1.8	59
22	Sustainable engineering education in the United States. Sustainability Science, 2009, 4, 7-15.	2.5	58
23	Modeling the impacts of emission events on ozone formation in Houston, Texas. Atmospheric Environment, 2006, 40, 5329-5341.	1.9	52
24	Catalytic Hydroprocessing of Chlorinated Olefins. Industrial & Engineering Chemistry Research, 1997, 36, 3019-3026.	1.8	51
25	Regional Air Quality Impacts of Increased Natural Gas Production and Use in Texas. Environmental Science & Technology, 2013, 47, 3521-3527.	4.6	50
26	Industrial Flare Performance at Low Flow Conditions. 1. Study Overview. Industrial & Engineering Chemistry Research, 2012, 51, 12559-12568.	1.8	46
27	Development of a chlorine mechanism for use in the carbon bond IV chemistry model. Journal of Geophysical Research, 2003, 108, .	3.3	45
28	Modeling ozone formation from industrial emission events in Houston, Texas. Atmospheric Environment, 2008, 42, 7641-7650.	1.9	45
29	Regional Ozone Impacts of Increased Natural Gas Use in the Texas Power Sector and Development in the Eagle Ford Shale. Environmental Science & Technology, 2015, 49, 3966-3973.	4.6	43
30	Seasonal and spatial trends in primary and secondary organic carbon concentrations in southeast Texas. Atmospheric Environment, 2004, 38, 3225-3239.	1.9	42
31	The effect of variability in industrial emissions on ozone formation in Houston, Texas. Atmospheric Environment, 2007, 41, 9580-9593.	1.9	42
32	A land use database and examples of biogenic isoprene emission estimates for the state of Texas, USA. Atmospheric Environment, 2001, 35, 6465-6477.	1.9	41
33	Direct measurement of volatile organic compound emissions from industrial flares using real-time online techniques: Proton Transfer Reaction Mass Spectrometry and Tunable Infrared Laser Differential Absorption Spectroscopy. Industrial & Engineering Chemistry Research, 2012, 51, 12674-12684.	1.8	40
34	Atmospheric Hydrocarbon Emissions and Concentrations in the Barnett Shale Natural Gas Production Region. Environmental Science & Technology, 2014, 48, 5314-5321.	4.6	40
35	Atmospheric Emissions and Air Quality Impacts from Natural Gas Production and Use. Annual Review of Chemical and Biomolecular Engineering, 2014, 5, 55-75.	3.3	39
36	Estimates of Anthropogenic Secondary Organic Aerosol Formation in Houston, Texas Special Issue ofAerosol Science and Technologyon Findings from the Fine Particulate Matter Supersites Program. Aerosol Science and Technology, 2004, 38, 156-166.	1.5	38

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37	Industrial Flare Performance at Low Flow Conditions. 2. Steam- and Air-Assisted Flares. Industrial & Engineering Chemistry Research, 2012, 51, 12569-12576.	1.8	38
38	FTIR Analysis of Aerosol Formed in the Photooxidation of 1,3,5-Trimethylbenzene. Aerosol Science and Technology, 1997, 26, 516-526.	1.5	34
39	Predicting secondary organic aerosol formation rates in southeast Texas. Journal of Geophysical Research, 2005, 110, .	3.3	34
40	Impact of Natural Gas and Natural Gas Liquids Supplies on the United States Chemical Manufacturing Industry: Production Cost Effects and Identification of Bottleneck Intermediates. ACS Sustainable Chemistry and Engineering, 2015, 3, 451-459.	3.2	34
41	Advancing the Use of Sustainability Metrics in <i>ACS Sustainable Chemistry & Engineering</i>. ACS Sustainable Chemistry and Engineering, 2018, 6, 1-1.	3.2	34
42	Shaping Effective Practices for Incorporating Sustainability Assessment in Manuscripts Submitted to <i>ACS Sustainable Chemistry & Engineering</i>: Catalysis and Catalytic Processes. ACS Sustainable Chemistry and Engineering, 2021, 9, 4936-4940.	3.2	34
43	The Impacts of Urbanization on Emissions and Air Quality: Comparison of Four Visions of Austin, Texas. Environmental Science & Technology, 2008, 42, 7294-7300.	4.6	31
44	Twenty-Five Years of Green Chemistry and Green Engineering: The End of the Beginning. ACS Sustainable Chemistry and Engineering, 2016, 4, 5820-5820.	3.2	30
45	Variability in Spatially and Temporally Resolved Emissions and Hydrocarbon Source Fingerprints for Oil and Gas Sources in Shale Gas Production Regions. Environmental Science & Technology, 2017, 51, 12016-12026.	4.6	30
46	Allocating Methane Emissions to Natural Gas and Oil Production from Shale Formations. ACS Sustainable Chemistry and Engineering, 2015, 3, 492-498.	3.2	29
47	Fine Particulate Matter Emissions Inventories: Comparisons of Emissions Estimates with Observations from Recent Field Programs. Journal of the Air and Waste Management Association, 2008, 58, 320-343.	0.9	28
48	Transport of Atmospheric Fine Particulate Matter: Part 2â€”Findings from Recent Field Programs on the Intraurban Variability in Fine Particulate Matter. Journal of the Air and Waste Management Association, 2008, 58, 196-215.	0.9	27
49	Attributing Atmospheric Methane to Anthropogenic Emission Sources. Accounts of Chemical Research, 2016, 49, 1344-1350.	7.6	27
50	Sesquiterpene Emissions and Secondary Organic Aerosol Formation Potentials for Southeast Texas Special Issue ofAerosol Science and Technologyon Findings from the Fine Particulate Matter Supersites Program. Aerosol Science and Technology, 2004, 38, 167-181.	1.5	26
51	Size Distributions of Organic Functional Groups in Ambient Aerosol Collected in Houston, Texas Special Issue ofAerosol Science and Technologyon Findings from the Fine Particulate Matter Supersites Program. Aerosol Science and Technology, 2004, 38, 82-91.	1.5	25
52	Reductions in ozone concentrations due to controls on variability in industrial flare emissions in Houston, Texas. Atmospheric Environment, 2008, 42, 4198-4211.	1.9	24
53	Methane Emissions from Gathering Compressor Stations in the U.S.. Environmental Science & Technology, 2020, 54, 7552-7561.	4.6	24
54	Expectations for Manuscripts Contributing to the Field of Solvents in <i>ACS Sustainable Chemistry & Engineering</i>. ACS Sustainable Chemistry and Engineering, 2020, 8, 14627-14629.	3.2	23

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55	LNG Supply Chains: A Supplier-Specific Life-Cycle Assessment for Improved Emission Accounting. ACS Sustainable Chemistry and Engineering, 2021, 9, 10857-10867.	3.2	23
56	Biogenic hydrocarbon emission estimates for North Central Texas. Atmospheric Environment, 2000, 34, 3419-3435.	1.9	22
57	Chlorine chemistry in urban atmospheres: Aerosol formation associated with anthropogenic chlorine emissions in southeast Texas. Atmospheric Environment, 2006, 40, 512-523.	1.9	22
58	Quantifying regional, seasonal and interannual contributions of environmental factors on isoprene and monoterpene emissions estimates over eastern Texas. Atmospheric Environment, 2015, 106, 120-128.	1.9	22
59	Minimize Flaring through Integration with Fuel Gas Networks. Industrial & Engineering Chemistry Research, 2012, 51, 12630-12641.	1.8	21
60	Spatial and Temporal Impacts on Water Consumption in Texas from Shale Gas Development and Use. ACS Sustainable Chemistry and Engineering, 2014, 2, 2028-2035.	3.2	20
61	Use of Light Alkane Fingerprints in Attributing Emissions from Oil and Gas Production. Environmental Science & Technology, 2019, 53, 5483-5492.	4.6	20
62	Projecting the Temporal Evolution of Methane Emissions from Oil and Gas Production Sites. Environmental Science & Technology, 2020, 54, 14172-14181.	4.6	20
63	Use of Short Duration Measurements to Estimate Methane Emissions at Oil and Gas Production Sites. Environmental Science and Technology Letters, 2021, 8, 463-467.	3.9	20
64	Sustainable engineering: From myth to mechanism. Environmental Quality Management, 2007, 17, 17-26.	1.0	19
65	Improvement of the Chemical Mass Balance model for apportioningâ€"sources of non-methane hydrocarbons using composite aged source profiles. Atmospheric Environment, 2008, 42, 1319-1337.	1.9	19
66	Carbon dioxide, methane and black carbon emissions from upstream oil and gas flaring in the United States. Current Opinion in Chemical Engineering, 2016, 13, 119-123.	3.8	19
67	Dynamic Management of NO_{<i>x</i>} and SO₂ Emissions in the Texas and Mid-Atlantic Electric Power Systems and Implications for Air Quality. Environmental Science & Technology, 2016, 50, 1611-1619.	4.6	19
68	Effects of temperature and land use on predictions of biogenic emissions in Eastern Texas, USA. Atmospheric Environment, 2002, 36, 3321-3337.	1.9	18
69	Comparisons of modeled and observed isoprene concentrations in southeast Texas. Atmospheric Environment, 2008, 42, 1922-1940.	1.9	18
70	Transport of Atmospheric Fine Particulate Matter: Part 1â€"Findings from Recent Field Programs on the Extent of Regional Transport within North America. Journal of the Air and Waste Management Association, 2008, 58, 254-264.	0.9	18
71	Sustainability in chemical engineering education: Identifying a core body of knowledge. AICHE Journal, 2012, 58, 2296-2302.	1.8	18
72	Formation Mechanisms of Iodineâ€"Ammonia Clusters in Polluted Coastal Areas Unveiled by Thermodynamics and Kinetic Simulations. Environmental Science & Technology, 2020, 54, 9235-9242.	4.6	18

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73	Green Chemistry: A Framework for a Sustainable Future. Organic Process Research and Development, 2021, 25, 1455-1459.	1.3	18
74	Comparison of Lagrangian Process Analysis tools for Eulerian air quality models. Atmospheric Environment, 2011, 45, 5200-5211.	1.9	17
75	Application of a Lagrangian Process Analysis tool to characterize ozone formation in Southeast Texas. Atmospheric Environment, 2008, 42, 5743-5759.	1.9	16
76	Using market-based dispatching with environmental price signals to reduce emissions and water use at power plants in the Texas grid. Environmental Research Letters, 2011, 6, 044018.	2.2	16
77	Application of the Carbon Balance Method to Flare Emissions Characteristics. Industrial & Engineering Chemistry Research, 2012, 51, 12577-12585.	1.8	16
78	Impact of Flare Destruction Efficiency and Products of Incomplete Combustion on Ozone Formation in Houston, Texas. Industrial & Engineering Chemistry Research, 2012, 51, 12663-12673.	1.8	16
79	Shaping Effective Practices for Incorporating Sustainability Assessment in Manuscripts Submitted to <i>ACS Sustainable Chemistry & Engineering</i>: An Initiative by the Editors. ACS Sustainable Chemistry and Engineering, 2021, 9, 3977-3978.	3.2	16
80	Heterogeneous Formation of HONO Catalyzed by CO₂. Environmental Science & Technology, 2021, 55, 12215-12222.	4.6	16
81	A Methane Emission Estimation Tool (MEET) for predictions of emissions from upstream oil and gas well sites with fine scale temporal and spatial resolution: Model structure and applications. Science of the Total Environment, 2022, 829, 154277.	3.9	16
82	Sustainable engineering: a model for engineering education in the twenty-first century?. Clean Technologies and Environmental Policy, 2006, 8, 70-71.	2.1	15
83	Teaching Sustainable Engineering. Journal of Industrial Ecology, 2008, 11, 8-10.	2.8	15
84	Aggregation and Allocation of Greenhouse Gas Emissions in Oil and Gas Production: Implications for Life-Cycle Greenhouse Gas Burdens. ACS Sustainable Chemistry and Engineering, 2019, 7, 17065-17073.	3.2	15
85	Consistent Metrics Needed for Quantifying Methane Emissions from Upstream Oil and Gas Operations. Environmental Science and Technology Letters, 2021, 8, 345-349.	3.9	15
86	Trace Gases and Particulate Matter Emissions from Wildfires and Agricultural Burning in Northeastern Mexico during the 2000 Fire Season. Journal of the Air and Waste Management Association, 2005, 55, 1797-1808.	0.9	14
87	Green Engineering Education in Chemical Engineering Curricula: A Quarter Century of Progress and Prospects for Future Transformations. ACS Sustainable Chemistry and Engineering, 2016, 4, 5850-5854.	3.2	14
88	Expectations for Manuscripts on Catalysis in <i>ACS Sustainable Chemistry & Engineering</i>. ACS Sustainable Chemistry and Engineering, 2020, 8, 4995-4996.	3.2	14
89	Ethanol from Sugarcane and the Brazilian Biomass-Based Energy and Chemicals Sector. ACS Sustainable Chemistry and Engineering, 2021, 9, 4293-4295.	3.2	14
90	Photochemical Modeling of Emissions Trading of Highly Reactive Volatile Organic Compounds in Houston, Texas. 1. Reactivity Based Trading and Potential for Ozone Hot Spot Formation. Environmental Science & Technology, 2007, 41, 2095-2102.	4.6	13

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91	Multiday Measurements of Pneumatic Controller Emissions Reveal the Frequency of Abnormal Emissions Behavior at Natural Gas Gathering Stations. Environmental Science and Technology Letters, 2019, 6, 348-352.	3.9	13
92	Confronting Racism in Chemistry Journals. ACS Applied Materials & Interfaces, 2020, 12, 28925-28927.	4.0	13
93	Comparing Greenhouse Gas Impacts from Domestic Coal and Imported Natural Gas Electricity Generation in China. ACS Sustainable Chemistry and Engineering, 2021, 9, 8759-8769.	3.2	13
94	Minimizing Chlorine Use: Assessing the Trade-offs Between Cost and Chlorine Reduction in Chemical Manufacturing. Journal of Industrial Ecology, 1997, 1, 111-134.	2.8	12
95	Catalytic hydrodechlorination of 1,3-dichloropropene. Chemical Engineering Science, 1999, 54, 3627-3634.	1.9	12
96	An environmental chamber investigation of chlorine-enhanced ozone formation in Houston, Texas. Journal of Geophysical Research, 2003, 108, .	3.3	12
97	Green Chemistry: A Framework for a Sustainable Future. Environmental Science & Technology, 2021, 55, 8459-8463.	4.6	12
98	Câ€“C bond fission pathways of chloroalkenyl alkoxy radicals. Journal of Chemical Physics, 2003, 118, 1794-1801.	1.2	10
99	Response to Comment on â€œMethane Emissions from Process Equipment at Natural Gas Production Sites in the United States: Pneumatic Controllersâ€• Environmental Science & Technology, 2015, 49, 3983-3984.	4.6	10
100	Impact of New Manufacturing Technologies on the Petrochemical Industry in the United States: A Methane-to-Aromatics Case Study. Industrial & Engineering Chemistry Research, 2016, 55, 5366-5372.	1.8	10
101	The impact of power plant emission variability and fuel switching on the air quality of Kuwait. Science of the Total Environment, 2019, 672, 593-603.	3.9	10
102	Anthropogenic emissions of atomic chlorine precursors in the Yangtze River Delta region, China. Science of the Total Environment, 2021, 771, 144644.	3.9	10
103	Impacts of Emission Variability and Flare Combustion Efficiency on Ozone Formation in the Houstonâ€“Galvestonâ€“Brazoria Area. Industrial & Engineering Chemistry Research, 2012, 51, 12593-12599.	1.8	9
104	Combining innovative science and policy to improve air quality in cities with refining and chemicals manufacturing: The case study of Houston, Texas, USA. Frontiers of Chemical Science and Engineering, 2017, 11, 293-304.	2.3	9
105	ACS Virtual Issue on Multicomponent Systems: Absorption, Adsorption, and Diffusion. Journal of Chemical & Engineering Data, 2018, 63, 3651-3651.	1.0	9
106	Expectations for Papers on Sustainable Materials in <i>ACS Sustainable Chemistry & Engineering</i>. ACS Sustainable Chemistry and Engineering, 2020, 8, 1703-1704.	3.2	9
107	Modeling of surface reactions on carbonaceous atmospheric particles during a wood smoke episode in Houston, Texas. Atmospheric Environment, 2006, 40, 524-537.	1.9	8
108	An Overview of the Gulf Coast Aerosol Research and Characterization Study: The Houston Fine Particulate Matter Supersite. Journal of the Air and Waste Management Association, 2006, 56, 456-466.	0.9	8

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109	Four Years of ACS Sustainable Chemistry & Engineering: Reflections and New Developments. ACS Sustainable Chemistry and Engineering, 2017, 5, 1-2.	3.2	8
110	Field Trial of Methane Emission Quantification Technologies. , 2020, , .		8
111	Product Value Modeling for a Natural Gas Liquid to Liquid Transportation Fuel Process. Industrial & Engineering Chemistry Research, 2020, 59, 3109-3119.	1.8	8
112	Global Warming Breakeven Times for Infrastructure Construction Emissions Are Underestimated. ACS Sustainable Chemistry and Engineering, 2022, 10, 1753-1758.	3.2	8
113	Photochemical Modeling of Emissions Trading of Highly Reactive Volatile Organic Compounds in Houston, Texas. 2. Incorporation of Chlorine Emissions. Environmental Science & Technology, 2007, 41, 2103-2107.	4.6	7
114	Temporal Variability in Flaring Emissions in the Houstonâ€"Galveston Area. Industrial & Engineering Chemistry Research, 2012, 51, 12653-12662.	1.8	7
115	Network Modeling of the U.S. Petrochemical Industry under Raw Material and Hurricane Harvey Disruptions. Industrial & Engineering Chemistry Research, 2019, 58, 12801-12815.	1.8	7
116	An emission inventory for Cl2 and HOCl in Shanghai, 2017. Atmospheric Environment, 2020, 223, 117220.	1.9	7
117	Green Chemistry: A Framework for a Sustainable Future. Environmental Science and Technology Letters, 2021, 8, 487-491.	3.9	7
118	Green Chemistry: A Framework for a Sustainable Future. ACS Omega, 2021, 6, 16254-16258.	1.6	7
119	Modeling air emissions from complex facilities at detailed temporal and spatial resolution: The Methane Emission Estimation Tool (MEET). Science of the Total Environment, 2022, 824, 153653.	3.9	7
120	Mapping Greenhouse Gas Emissions of the U.S. Chemical Manufacturing Industry: The Effect of Feedstock Sourcing and Upstream Emissions Allocation. ACS Sustainable Chemistry and Engineering, 2022, 10, 5932-5938.	3.2	7
121	Comparison of regional and global land cover products and the implications for biogenic emission modeling. Journal of the Air and Waste Management Association, 2015, 65, 1194-1205.	0.9	6
122	ACS Virtual Issue on Deep Eutectic Solvents. Journal of Chemical & Engineering Data, 2017, 62, 1927-1928.	1.0	6
123	Heterogeneous production of Cl₂ from particulate chloride: Effects of composition and relative humidity. AIChE Journal, 2018, 64, 3151-3158.	1.8	6
124	The Evolution of ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 1-1.	3.2	6
125	A Searchable Database for Prediction of Emission Compositions from Upstream Oil and Gas Sources. Environmental Science & Technology, 2021, 55, 3210-3218.	4.6	6
126	Green Chemistry: A Framework for a Sustainable Future. Organic Letters, 2021, 23, 4935-4939.	2.4	6

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127	Comparison of Attributional and Consequential Life-Cycle Assessments in Chemical Manufacturing. , 2017, , 339-347.		5
128	<i>ACS Sustainable Chemistry & Engineering</i> Virtual Special Issue on Promoting the Development and Use of Quantitative Sustainabilty Metrics. ACS Sustainable Chemistry and Engineering, 2018, 6, 4422-4422.	3.2	5
129	Why Wasnâ€™t My <i>ACS Sustainable Chemistry & Engineering</i> Manuscript Sent Out for Review?. ACS Sustainable Chemistry and Engineering, 2019, 7, 1-2.	3.2	5
130	Update to Our Reader, Reviewer, and Author Communitiesâ€"April 2020. ACS Applied Materials & Interfaces, 2020, 12, 20147-20148.	4.0	5
131	Expectations for Manuscripts with Nanoscience and Nanotechnology Elements in <i>ACS Sustainable Chemistry & Engineering</i>. ACS Sustainable Chemistry and Engineering, 2020, 8, 7751-7752.	3.2	5
132	Confronting Racism in Chemistry Journals. Nano Letters, 2020, 20, 4715-4717.	4.5	5
133	ACS Sustainable Chemistry & Engineering Invites Contributions to a Virtual Special Issue on The Circular Economy of Plastics. ACS Sustainable Chemistry and Engineering, 2021, 9, 1425-1426.	3.2	5
134	Opportunities for Chemical Manufacturing Using Natural Gas Feedstocks in the San Juan Basin. Industrial & Engineering Chemistry Research, 2016, 55, 8480-8489.	1.8	4
135	Confronting Racism in Chemistry Journals. Organic Letters, 2020, 22, 4919-4921.	2.4	4
136	Expectations for Papers on Photochemistry, Photoelectrochemistry, and Electrochemistry for Energy Conversion and Storage in <i>ACS Sustainable Chemistry & Engineering</i>. ACS Sustainable Chemistry and Engineering, 2020, 8, 3038-3039.	3.2	4
137	Projecting the Temporal Evolution of Methane Emissions from Oil and Gas Production Basins. Environmental Science & Technology, 2021, 55, 2811-2819.	4.6	4
138	Expectations for Manuscripts Contributing to the Field on Management of Synthetic Chemicals in <i>ACS Sustainable Chemistry & Engineering</i>. ACS Sustainable Chemistry and Engineering, 2021, 9, 3376-3378.	3.2	4
139	Green Chemistry: A Framework for a Sustainable Future. Organometallics, 2021, 40, 1801-1805.	1.1	4
140	Green Chemistry: A Framework for a Sustainable Future. Journal of Organic Chemistry, 2021, 86, 8551-8555.	1.7	4
141	Systems Analysis of Natural Gas Liquid Resources for Chemical Manufacturing: Strategic Utilization of Ethane. Industrial & Engineering Chemistry Research, 2021, 60, 12377-12389.	1.8	4
142	Organic acid-ammonia ion-induced nucleation pathways unveiled by quantum chemical calculation and kinetics modeling: A case study of 3-methyl-1,2,3-butanetricarboxylic acid. Chemosphere, 2021, 284, 131354.	4.2	4
143	Greenhouse Gas Emissions of Transportation Fuels from Shale Gas-Derived Natural Gas Liquids. Procedia CIRP, 2019, 80, 346-351.	1.0	3
144	National Academies Report Defines a Research Agenda for Chemical, Biochemical and Mineralization Approaches to Gaseous Carbon Waste Utilization. ACS Sustainable Chemistry and Engineering, 2019, 7, 3702-3709.	3.2	3

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145	Update to Our Reader, Reviewer, and Author Communitiesâ€"April 2020. Journal of the American Chemical Society, 2020, 142, 8059-8060.	6.6	3
146	Lab to Market: Where the Rubber Meets the Road for Sustainable Chemical Technologies. ACS Sustainable Chemistry and Engineering, 2021, 9, 2987-2989.	3.2	3
147	Green Chemistry: A Framework for a Sustainable Future. Industrial & Engineering Chemistry Research, 2021, 60, 8964-8968.	1.8	3
148	Geospatial Network Approach for Assessing Economic Potential of Ethylene-to-Fuel Technology in the Marcellus Shale Region. Industrial & Engineering Chemistry Research, 2021, 60, 14801-14814.	1.8	3
149	An Updated Anthropogenic Emission Inventory of Reactive Chlorine Precursors in China. ACS Earth and Space Chemistry, 2022, 6, 1846-1857.	1.2	3
150	An Industrial Ecology: Material Flows and Engineering Design. , 2005, , 283-300.		2
151	Update to Our Reader, Reviewer, and Author Communitiesâ€"April 2020. ACS Nano, 2020, 14, 5151-5152.	7.3	2
152	Expectations for Manuscripts in ACS Sustainable Chemistry & Engineering: Scope Summary and Call for Creativity. ACS Sustainable Chemistry and Engineering, 2020, 8, 16046-16047.	3.2	2
153	Expectations for Manuscripts on Biomass Feedstocks and Processing in <i>ACS Sustainable Chemistry & Engineering</i>. ACS Sustainable Chemistry and Engineering, 2020, 8, 11031-11032.	3.2	2
154	Confronting Racism in Chemistry Journals. ACS Nano, 2020, 14, 7675-7677.	7.3	2
155	Confronting Racism in Chemistry Journals. Chemical Reviews, 2020, 120, 5795-5797.	23.0	2
156	Expectations for Manuscripts on Industrial Ecology in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 9599-9600.	3.2	2
157	<i>ACS Sustainable Chemistry & Engineering</i> Welcomes Expanded Editorial Boards with New Initiatives. ACS Sustainable Chemistry and Engineering, 2021, 9, 1-2.	3.2	2
158	ACS Sustainable Chemistry & Engineering Welcomes Manuscripts on Advanced E-Waste Recycling. ACS Sustainable Chemistry and Engineering, 2021, 9, 3624-3625.	3.2	2
159	Green Chemistry: A Framework for a Sustainable Future. ACS Sustainable Chemistry and Engineering, 2021, 9, 8336-8340.	3.2	2
160	Assessing the impact of episodic flare emissions on ozone formation in the Houston-Galveston-Brazoria area of Texas. Science of the Total Environment, 2022, 828, 154276.	3.9	2
161	Greenhouse Gas Emissions from LNG Infrastructure Construction: Implications for Short-Term Climate Impacts. ACS Sustainable Chemistry and Engineering, 2022, 10, 8539-8548.	3.2	2
162	Estimates of the air quality benefits of using natural gas in industrial and transportation applications in Lima, Peru. Clean Technologies and Environmental Policy, 2009, 11, 409-423.	2.1	1

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163	Emissions from oil and gas operations in the United States and their air quality implications. Journal of the Air and Waste Management Association, 2016, 66, 1165-1170.	0.9	1
164	Luque, Yan, You: 2018 Winners of the <i>ACS Sustainable Chemistry & Engineering</i> Lectureship Awards. ACS Sustainable Chemistry and Engineering, 2017, 5, 7450-7450.	3.2	1
165	Uses for expanded production of natural gas liquids: chemicals or power?. Wiley Interdisciplinary Reviews: Energy and Environment, 2018, 7, e258.	1.9	1
166	Update to Our Reader, Reviewer, and Author Communitiesâ€"April 2020. ACS Energy Letters, 2020, 5, 1610-1611.	8.8	1
167	Update to Our Reader, Reviewer, and Author Communitiesâ€"April 2020. Environmental Science and Technology Letters, 2020, 7, 280-281.	3.9	1
168	Update to Our Reader, Reviewer, and Author Communitiesâ€"April 2020. Journal of Chemical Education, 2020, 97, 1217-1218.	1.1	1
169	Confronting Racism in Chemistry Journals. Journal of Physical Chemistry Letters, 2020, 11, 5279-5281.	2.1	1
170	Confronting Racism in Chemistry Journals. ACS Central Science, 2020, 6, 1012-1014.	5.3	1
171	Confronting Racism in Chemistry Journals. Journal of the American Society for Mass Spectrometry, 2020, 31, 1321-1323.	1.2	1
172	Constant Renewal: An Open Call for <i>ACS Sustainable Chemistry & Engineering</i> Editorial Advisory Board and Early Career Board Members. ACS Sustainable Chemistry and Engineering, 2020, 8, 12731-12732.	3.2	1
173	Huang, Luterbacher, and Mauter: Winners of the 2021 <i>ACS Sustainable Chemistry & Engineering</i> Lectureship Awards. ACS Sustainable Chemistry and Engineering, 2020, 8, 17607-17607.	3.2	1
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