Julie B Zimmerman

List of Publications by Year
in descending order

311 papers	11,137 citations	31976 53 h-index	33894 99 g-index
320 all docs	320 docs citations	320 times ranked	13838 citing authors

#	Article	IF	Citations
1	Peer Reviewed: Design Through the 12 Principles of Green Engineering. Environmental Science & Technology, 2003, 37, 94A-101A.	10.0	992
2	Designing for a green chemistry future. Science, 2020, 367, 397-400.	12.6	645
3	The Green ChemisTREE: 20 years after taking root with the 12 principles. Green Chemistry, 2018, 20, 1929-1961.	9.0	499
4	Combinatorial Life Cycle Assessment to Inform Process Design of Industrial Production of Algal Biodiesel. Environmental Science & Technology, 2011, 45, 7060-7067.	10.0	318
5	Derivation and synthesis of renewable surfactants. Chemical Society Reviews, 2012, 41, 1499-1518.	38.1	237
6	Peer Reviewed: Applying the Principles of Green Engineering to Cradle-to-Cradle Design. Environmental Science & Technology, 2003, 37, 434A-441A.	10.0	224
7	Toward Understanding the Efficacy and Mechanism of <i>Opuntia</i> spp. as a Natural Coagulant for Potential Application in Water Treatment. Environmental Science & Technology, 2008, 42, 4274-4279.	10.0	222
8	Algae as a source of renewable chemicals: opportunities and challenges. Green Chemistry, 2011, 13, 1399.	9.0	201
9	Designing nanomaterials to maximize performance and minimize undesirable implications guided by the Principles of Green Chemistry. Chemical Society Reviews, 2015, 44, 5758-5777.	38.1	183
10	Nitrogen supply is an important driver of sustainable microalgae biofuel production. Trends in Biotechnology, 2013, 31, 134-138.	9.3	178
11	Global Stressors on Water Quality and Quantity. Environmental Science & Technology, 2008, 42, 4247-4254.	10.0	168
12	Green Chemistry and Green Engineering: A Framework for Sustainable Technology Development. Annual Review of Environment and Resources, 2011, 36, 271-293.	13.4	166
13	Challenges in Developing Biohydrogen as a Sustainable Energy Source: Implications for a Research Agenda. Environmental Science & Technology, 2010, 44, 2243-2254.	10.0	161
14	Fate of Sucralose through Environmental and Water Treatment Processes and Impact on Plant Indicator Species. Environmental Science & Technology, 2011, 45, 1363-1369.	10.0	158
15	Toward Green Nano. Journal of Industrial Ecology, 2008, 12, 316-328.	5.5	145
16	Construction Matters: Comparing Environmental Impacts of Building Modular and Conventional Homes in the United States. Journal of Industrial Ecology, 2012, 16, 243-253.	5.5	140
17	Novel, bio-based, photoactive arsenic sorbent: TiO2-impregnated chitosan bead. Water Research, 2010, 44, 5722-5729.	11.3	139
18	Formation of flavorantâ€“propylene Glycol Adducts With Novel Toxicological Properties in Chemically Unstable E-Cigarette Liquids. Nicotine and Tobacco Research, 2019, 21, 1248-1258.	2.6	139

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19	Biodiesel production: the potential of algal lipids extracted with supercritical carbon dioxide. Green Chemistry, 2011, 13, 1422.	9.0	131
20	Estimates of solid waste disposal rates and reduction targets for landfill gas emissions. Nature Climate Change, 2016, 6, 162-165.	18.8	129
21	Enhanced arsenic removal using mixed metal oxide impregnated chitosan beads. Water Research, 2012, 46, 4427-4434.	11.3	127
22	The Green Print: Advancement of Environmental Sustainability in Healthcare. Resources, Conservation and Recycling, 2020, 161, 104882.	10.8	121
23	Consequential Environmental and Economic Life Cycle Assessment of Green and Gray Stormwater Infrastructures for Combined Sewer Systems. Environmental Science & Technology, 2013, 47, 11189-11198.	10.0	120
24	Impact of Surface Functionalization on Bacterial Cytotoxicity of Single-Walled Carbon Nanotubes. Environmental Science & Technology, 2012, 46, 6297-6305.	10.0	119
25	Adsorption of selenite and selenate by nanocrystalline aluminum oxide, neat and impregnated in chitosan beads. Water Research, 2014, 50, 373-381.	11.3	119
26	Guiding the design space for nanotechnology to advance sustainable crop production. Nature Nanotechnology, 2020, 15, 801-810.	31.5	119
27	Low risk posed by engineered and incidental nanoparticles in drinking water. Nature Nanotechnology, 2018, 13, 661-669.	31.5	118
28	Exploring the Mechanisms of Selectivity for Environmentally Significant Oxo-Anion Removal during Water Treatment: A Review of Common Competing Oxo-Anions and Tools for Quantifying Selective Adsorption. Environmental Science & Technology, 2020, 54, 9769-9790.	10.0	117
29	Ammonia inhibition in oleaginous microalgae. Algal Research, 2016, 19, 123-127.	4.6	115
30	Toward substitution with no regrets. Science, 2015, 347, 1198-1199.	12.6	107
31	Flexibility and intensity of global water use. Nature Sustainability, 2019, 2, 515-523.	23.7	106
32	Preferential technological and life cycle environmental performance of chitosan flocculation for harvesting of the green algae Neochloris oleoabundans. Bioresource Technology, 2012, 121, 445-449.	9.6	103
33	Application of membrane dewatering for algal biofuel. Algal Research, 2015, 11, 1-12.	4.6	103
34	Overcoming implementation barriers for nanotechnology in drinking water treatment. Environmental Science: Nano, 2016, 3, 1241-1253.	4.3	101
35	Assessment of predictive models for estimating the acute aquatic toxicity of organic chemicals. Green Chemistry, 2016, 18, 4432-4445.	9.0	99
36	Shape-Dependent Surface Reactivity and Antimicrobial Activity of Nano-Cupric Oxide. Environmental Science & Technology, 2016, 50, 3975-3984.	10.0	96

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37	Energyâ€"Water Nexus Analysis of Enhanced Water Supply Scenarios: A Regional Comparison of Tampa Bay, Florida, and San Diego, California. Environmental Science & Technology, 2014, 48, 5883-5891.	10.0	94
38	Green chemistry and green engineering in China: drivers, policies and barriers to innovation. Journal of Cleaner Production, 2012, 32, 193-203.	9.3	92
39	Sooting tendencies of diesel fuels, jet fuels, and their surrogates in diffusion flames. Fuel, 2017, 197, 445-458.	6.4	90
40	The periodic table of the elements of green and sustainable chemistry. Green Chemistry, 2019, 21, 6545-6566.	9.0	90
41	A framework for sustainable nanomaterial selection and design based on performance, hazard, and economic considerations. Nature Nanotechnology, 2018, 13, 708-714.	31.5	89
42	The United Nations sustainability goals: How can sustainable chemistry contribute?. Current Opinion in Green and Sustainable Chemistry, 2018, 13, 150-153.	5.9	87
43	Cradle-to-Gate Greenhouse Gas Emissions for Twenty Anesthetic Active Pharmaceutical Ingredients Based on Process Scale-Up and Process Design Calculations. ACS Sustainable Chemistry and Engineering, 2019, 7, 6580-6591.	6.7	86
44	Hybrid Analysis of Blue Water Consumption and Water Scarcity Implications at the Global, National, and Basin Levels in an Increasingly Globalized World. Environmental Science & Technology, 2016, 50, 5143-5153.	10.0	84
45	Evaluating microalgal integrated biorefinery schemes: Empirical controlled growth studies and life cycle assessment. Bioresource Technology, 2014, 151, 19-27.	9.6	81
46	Identifying and designing chemicals with minimal acute aquatic toxicity. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6289-6294.	7.1	75
47	Measuring the Embodied Energy in Drinking Water Supply Systems: A Case Study in The Great Lakes Region. Environmental Science & Technology, 2010, 44, 9516-9521.	10.0	72
48	Partitioning of Ethoxylated Nonionic Surfactants in Water/NAPL Systems:Â Effects of Surfactant and NAPL Properties. Environmental Science & Technology, 2000, 34, 1583-1588.	10.0	71
49	Optimization of capacity and kinetics for a novel bio-based arsenic sorbent, TiO2-impregnated chitosan bead. Water Research, 2011, 45, 5745-5754.	11.3	69
50	Towards rational molecular design: derivation of property guidelines for reduced acute aquatic toxicity. Green Chemistry, 2011, 13, 2373.	9.0	66
51	A Strategy for Material Supply Chain Sustainability: Enabling a Circular Economy in the Electronics Industry through Green Engineering. ACS Sustainable Chemistry and Engineering, 2016, 4, 5879-5888.	6.7	65
52	Comparison of Life Cycle Emissions and Energy Consumption for Environmentally Adapted Metalworking Fluid Systems. Environmental Science & Technology, 2008, 42, 8534-8540.	10.0	59
53	Towards a selective adsorbent for arsenate and selenite in the presence of phosphate: Assessment of adsorption efficiency, mechanism, and binary separation factors of the chitosan-copper complex. Water Research, 2016, 88, 889-896.	11.3	58
54	Barriers to the Implementation of Green Chemistry in the United States. Environmental Science & Technology, 2012, 46, 10892-10899.	10.0	56

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55	More than Target 6.3: A Systems Approach to Rethinking Sustainable Development Goals in a Resource-Scarce World. Engineering, 2016, 2, 481-489.	6.7	56
56	Tunable Molybdenum Disulfide-Enabled Fiber Mats for High-Efficiency Removal of Mercury from Water. ACS Applied Materials & Interfaces, 2020, 12, 18446-18456.	8.0	55
57	The role of counter ions in nano-hematite synthesis: Implications for surface area and selenium adsorption capacity. Journal of Hazardous Materials, 2016, 310, 117-124.	12.4	54
58	Economic and Environmental Assessment of Office Building Rainwater Harvesting Systems in Various U.S. Cities. Environmental Science & Technology, 2015, 49, 1768-1778.	10.0	53
59	Towards rational molecular design for reduced chronic aquatic toxicity. Green Chemistry, 2012, 14, 1001.	9.0	52
60	Partitioning of Ethoxylated Nonionic Surfactants into Nonaqueous-Phase Organic Liquids:Â Influence on Solubilization Behavior. Environmental Science & Technology, 1999, 33, 169-176.	10.0	49
61	Planning for climate change: The need for mechanistic systems-based approaches to study climate change impacts on diarrheal diseases. Science of the Total Environment, 2016, 548-549, 82-90.	8.0	49
62	Meta-analysis and Harmonization of Life Cycle Assessment Studies for Algae Biofuels. Environmental Science & Technology, 2017, 51, 9419-9432.	10.0	49
63	Comparative behavioral toxicology with two common larval fish models: Exploring relationships among modes of action and locomotor responses. Science of the Total Environment, 2018, 640-641, 1587-1600.	8.0	49
64	Controlling metal oxide nanoparticle size and shape with supercritical fluid synthesis. Green Chemistry, 2019, 21, 3769-3781.	9.0	49
65	Life Cycle Impacts and Benefits of a Carbon Nanotube-Enabled Chemical Gas Sensor. Environmental Science & Technology, 2014, 48, 11360-11368.	10.0	48
66	Multifunctional photoactive and selective adsorbent for arsenite and arsenate: Evaluation of nano titanium dioxide-enabled chitosan cross-linked with copper. Journal of Hazardous Materials, 2018, 358, 145-154.	12.4	47
67	Ionic cross-linked polyvinyl alcohol tunes vitrification and cold-crystallization of sugar alcohol for long-term thermal energy storage. Green Chemistry, 2020, 22, 5447-5462.	9.0	47
68	Design of Hard Water Stable Emulsifier Systems for Petroleum- and Bio-based Semi-synthetic Metalworking Fluids. Environmental Science & Technology, 2003, 37, 5278-5288.	10.0	46
69	Design Through the 12 Principles of Green Engineering. IEEE Engineering Management Review, 2007, 35, 16-16.	1.3	45
70	Tailored mesoporous biochar sorbents from pinecone biomass for the adsorption of natural organic matter from lake water. Journal of Molecular Liquids, 2019, 291, 111248.	4.9	45
71	Toward Tailored Functional Design of Multi-Walled Carbon Nanotubes (MWNTs): Electrochemical and Antimicrobial Activity Enhancement via Oxidation and Selective Reduction. Environmental Science & Technology, 2014, 48, 5938-5945.	10.0	44
72	Life Cycle Payback Estimates of Nanosilver Enabled Textiles under Different Silver Loading, Release, And Laundering Scenarios Informed by Literature Review. Environmental Science & Technology, 2015, 49, 7529-7542.	10.0	44

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73	Selective adsorption of arsenic over phosphate by transition metal cross-linked chitosan. Chemical Engineering Journal, 2021, 412, 128582.	12.7	44
74	Enzymatic and acid hydrolysis of Tetraselmis suecica for polysaccharide characterization. Bioresource Technology, 2014, 173, 415-421.	9.6	42
75	Chemical Adducts of Reactive Flavor Aldehydes Formed in E-Cigarette Liquids Are Cytotoxic and Inhibit Mitochondrial Function in Respiratory Epithelial Cells. Nicotine and Tobacco Research, 2020, 22, S25-S34.	2.6	42
76	Toward Informed Design of Nanomaterials: A Mechanistic Analysis of Structureâ€“Propertyâ€“Function Relationships for Faceted Nanoscale Metal Oxides. ACS Nano, 2020, 14, 16472-16501.	14.6	41
77	Removal of arsenic with reduced graphene oxide-TiO2-enabled nanofibrous mats. Chemical Engineering Journal, 2019, 375, 122040.	12.7	40
78	Preferential adsorption of selenium oxyanions onto {1â€¯1â€¯0} and {0â€¯1â€¯2} nano-hematite facets. Journal of Colloid and Interface Science, 2019, 537, 465-474.	9.4	40
79	Coordinating modeling and experimental research of engineered nanomaterials to improve life cycle assessment studies. Environmental Science: Nano, 2015, 2, 669-682.	4.3	39
80	The Molecular Basis of Sustainability. CheM, 2016, 1, 10-12.	11.7	39
81	Flavorantâ€“Solvent Reaction Products and Menthol in JUUL E-Cigarettes and Aerosol. American Journal of Preventive Medicine, 2019, 57, 425-427.	3.0	39
82	Spatial Assessment of Net Mercury Emissions from the Use of Fluorescent Bulbs. Environmental Science & Technology, 2008, 42, 8564-8570.	10.0	38
83	Linear and cyclic C-glycosides as surfactants. Green Chemistry, 2011, 13, 321-325.	9.0	38
84	Freshwater Vulnerability beyond Local Water Stress: Heterogeneous Effects of Water-Electricity Nexus Across the Continental United States. Environmental Science & Technology, 2017, 51, 9899-9910.	10.0	38
85	Hard templating ultrathin polycrystalline hematite nanosheets: effect of nano-dimension on CO₂ to CO conversion via the reverse water-gas shift reaction. Nanoscale, 2017, 9, 12984-12995.	5.6	36
86	Current Status and Future Challenges in Molecular Design for Reduced Hazard. ACS Sustainable Chemistry and Engineering, 2016, 4, 5900-5906.	6.7	35
87	Superparamagnetic MOF@GO Ni and Co based hybrid nanocomposites as efficient water pollutant adsorbents. Science of the Total Environment, 2020, 738, 139213.	8.0	35
88	(Virtual) Water Flows Uphill toward Money. Environmental Science & Technology, 2016, 50, 12320-12330.	10.0	34
89	Differences in flavourant levels and synthetic coolant use between USA, EU and Canadian Juul products. Tobacco Control, 2021, 30, 453-455.	3.2	34
90	Selectively biorefining astaxanthin and triacylglycerol co-products from microalgae with supercritical carbon dioxide extraction. Bioresource Technology, 2018, 269, 81-88.	9.6	33

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91	The safer chemical design game. Gamification of green chemistry and safer chemical design concepts for high school and undergraduate students. Green Chemistry Letters and Reviews, 2018, 11, 103-110.	4.7	32
92	Toward Realizing Multifunctionality: Photoactive and Selective Adsorbents for the Removal of Inorganics in Water Treatment. Accounts of Chemical Research, 2019, 52, 1206-1214.	15.6	32
93	Teaching Atom Economy and E-Factor Concepts through a Green Laboratory Experiment: Aerobic Oxidative Cleavage of meso-Hydrobenzoin to Benzaldehyde Using a Heterogeneous Catalyst. Journal of Chemical Education, 2019, 96, 761-765.	2.3	31
94	Synthetic Cooling Agents in US-marketed E-cigarette Refill Liquids and Popular Disposable E-cigarettes: Chemical Analysis and Risk Assessment. Nicotine and Tobacco Research, 2022, 24, 1037-1046.	2.6	31
95	Accelerated Solvent Extraction of Lignin from Aleurites moluccana (Candlenut) Nutshells. Journal of Agricultural and Food Chemistry, 2010, 58, 10045-10048.	5.2	30
96	High-Intensity Sweeteners in Alternative Tobacco Products. Nicotine and Tobacco Research, 2016, 18, 2169-2173.	2.6	30
97	Electrocatalysis for Chemical and Fuel Production: Investigating Climate Change Mitigation Potential and Economic Feasibility. Environmental Science & Technology, 2021, 55, 3240-3249.	10.0	30
98	Toward molecular design for hazard reductionâ€"fundamental relationships between chemical properties and toxicity. Tetrahedron, 2010, 66, 1031-1039.	1.9	28
99	A system dynamics approach for urban water reuse planning: a case study from the Great Lakes region. Stochastic Environmental Research and Risk Assessment, 2013, 27, 675-691.	4.0	27
100	A review of immobilization techniques to improve the stability and bioactivity of lysozyme. Green Chemistry Letters and Reviews, 2021, 14, 302-338.	4.7	27
101	Toward the Design of Less Hazardous Chemicals: Exploring Comparative Oxidative Stress in Two Common Animal Models. Chemical Research in Toxicology, 2017, 30, 893-904.	3.3	26
102	Life cycle considerations of nano-enabled agrochemicals: are today's tools up to the task?. Environmental Science: Nano, 2018, 5, 1057-1069.	4.3	26
103	Integrating Developed and Developing World Knowledge into Global Discussions and Strategies for Sustainability. 1. Science and Technology. Environmental Science & Technology, 2007, 41, 3415-3421.	10.0	25
104	Toward safer multi-walled carbon nanotube design: Establishing a statistical model that relates surface charge and embryonic zebrafish mortality. Nanotoxicology, 2015, 10, 1-10.	3.0	25
105	Phase equilibria of triolein to biodiesel reactor systems. Fluid Phase Equilibria, 2016, 409, 171-192.	2.5	25
106	Realizing Comparable Oxidative and Cytotoxic Potential of Single- and Multiwalled Carbon Nanotubes through Annealing. Environmental Science & Technology, 2013, 47, 130726133045005.	10.0	24
107	Harmonized algal biofuel life cycle assessment studies enable direct process train comparison. Applied Energy, 2018, 224, 494-509.	10.1	24
108	Effect of System Conditions for Biodiesel Production via Transesterification Using Carbon Dioxideâ€"Methanol Mixtures in the Presence of a Heterogeneous Catalyst. ACS Sustainable Chemistry and Engineering, 2014, 2, 387-395.	6.7	23

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109	Establishing structure-property-hazard relationships for multi-walled carbon nanotubes: The role of aggregation, surface charge, and oxidative stress on embryonic zebrafish mortality. Carbon, 2019, 155, 587-600.	10.3	23
110	Copper Recycling Flow Model for the United States Economy: Impact of Scrap Quality on Potential Energy Benefit. Environmental Science & Technology, 2021, 55, 5485-5495.	10.0	22
111	Sustainability and Commerce Trends. Journal of Industrial Ecology, 2011, 15, 821-824.	5.5	21
112	Reducing aquatic hazards of industrial chemicals: Probabilistic assessment of sustainable molecular design guidelines. Environmental Toxicology and Chemistry, 2014, 33, 1894-1902.	4.3	21
113	Influence of Ion Accumulation on the Emulsion Stability and Performance of Semi-Synthetic Metalworking Fluids. Environmental Science & Technology, 2004, 38, 2482-2490.	10.0	20
114	The effect of sucralose on flavor sweetness in electronic cigarettes varies between delivery devices. PLoS ONE, 2017, 12, e0185334.	2.5	20
115	Nano-structural effects on Hematite (Î±-Fe2O3) nanoparticle radiofrequency heating. Nano Convergence, 2021, 8, 8.	12.1	20
116	A Free Energy Approach to the Prediction of Olefin and Epoxide Mutagenicity and Carcinogenicity. Chemical Research in Toxicology, 2012, 25, 2780-2787.	3.3	18
117	Highly Conductive Single-Walled Carbon Nanotube Thin Film Preparation by Direct Alignment on Substrates from Water Dispersions. Langmuir, 2015, 31, 1155-1163.	3.5	18
118	Green Chemistry: A Framework for a Sustainable Future. Organic Process Research and Development, 2021, 25, 1455-1459.	2.7	18
119	Toward designing safer chemicals. Science, 2015, 347, 215-215.	12.6	17
120	Role of CO₂ in Mass Transfer, Reaction Kinetics, and Interphase Partitioning for the Transesterification of Triolein in an Expanded Methanol System with Heterogeneous Acid Catalyst. ACS Sustainable Chemistry and Engineering, 2015, 3, 2669-2677.	6.7	17
121	Timeâ€dependent life cycle assessment of microalgal biorefinery coâ€products. Biofuels, Bioproducts and Biorefining, 2016, 10, 409-421.	3.7	17
122	The Molecular Design Research Network. Toxicological Sciences, 2018, 161, 241-248.	3.1	17
123	Integrating Developed and Developing World Knowledge into Global Discussions and Strategies for Sustainability. 2. Economics and Governance. Environmental Science & Technology, 2007, 41, 3422-3430.	10.0	16
124	Towards resolution of antibacterial mechanisms in metal and metal oxide nanomaterials: a meta-analysis of the influence of study design on mechanistic conclusions. Environmental Science: Nano, 2021, 8, 37-66.	4.3	16
125	Systems Approach to Climate, Water, and Diarrhea in Hubli-Dharwad, India. Environmental Science & Technology, 2016, 50, 13042-13051.	10.0	15
126	Simultaneous Extraction, Fractionation, and Enrichment of Microalgal Triacylglyerides by Exploiting the Tunability of Neat Supercritical Carbon Dioxide. ACS Sustainable Chemistry and Engineering, 2016, 4, 6222-6230.	6.7	14

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127	Presence of High-Intensity Sweeteners in Popular Cigarillos of Varying Flavor Profiles. JAMA - Journal of the American Medical Association, 2018, 320, 1380.	7.4	13
128	Doing nano-enabled water treatment right: sustainability considerations from design and research through development and implementation. Environmental Science: Nano, 2020, 7, 3255-3278.	4.3	13
129	Confronting Racism in Chemistry Journals. ACS Applied Materials & Interfaces, 2020, 12, 28925-28927.	8.0	13
130	Green Chemistry as a Leadership Opportunity for Toxicology: We Must Take the Wheel. Toxicological Sciences, 2014, 141, 4-5.	3.1	12
131	<scp>CO₂</scp> process intensification of algae oil extraction to biodiesel. AICHE Journal, 2021, 67, .	3.6	12
132	Green Chemistry: A Framework for a Sustainable Future. Environmental Science & Technology, 2021, 55, 8459-8463.	10.0	12
133	Enhanced dispersion and electronic performance of single-walled carbon nanotube thin films without surfactant: A comprehensive study of various treatment processes. Carbon, 2015, 93, 1008-1020.	10.3	11
134	Safer by Design. Green Chemistry, 2016, 18, 4324-4324.	9.0	11
135	Probabilistic diagram for designing chemicals with reduced potency to incur cytotoxicity. Green Chemistry, 2016, 18, 4461-4467.	9.0	11
136	A Proactive Approach to Toxic Chemicals: Moving Green Chemistry Beyond Alternatives in the â€œSafe Chemicals Act of 2010â€• Environmental Science & Technology, 2010, 44, 6022-6023.	10.0	10
137	Why Was My Paper Rejected without Review?. Environmental Science & Technology, 2020, 54, 11641-11644.	10.0	10
138	Performance and Sustainability Tradeoffs of Oxidized Carbon Nanotubes as a Cathodic Material in Lithiumâ€Oxygen Batteries. ChemSusChem, 2021, 14, 898-908.	6.8	10
139	The Value-Adding Connections Between the Management of Ecoinnovation and the Principles of Green Chemistry and Green Engineering. , 2018, , 981-998.		8
140	CRISPR-Generated Nrf2a Loss- and Gain-of-Function Mutants Facilitate Mechanistic Analysis of Chemical Oxidative Stress-Mediated Toxicity in Zebrafish. Chemical Research in Toxicology, 2020, 33, 426-435.	3.3	8
141	Toward Less Hazardous Industrial Compounds: Coupling Quantum Mechanical Computations, Biomarker Responses, and Behavioral Profiles To Identify Bioactivity of SN2 Electrophiles in Alternative Vertebrate Models. Chemical Research in Toxicology, 2020, 33, 367-380.	3.3	8
142	Quantification of Flavorants and Nicotine in Waterpipe Tobacco and Mainstream Smoke and Comparison to E-cigarette Aerosol. Nicotine and Tobacco Research, 2021, 23, 600-604.	2.6	8
143	Coupled molecular design diagrams to guide safer chemical design with reduced likelihood of perturbing the NRF2-ARE antioxidant pathway and inducing cytotoxicity. Green Chemistry, 2016, 18, 6387-6394.	9.0	7
144	Greener Methodology: An Aldol Condensation of an Unprotected C-Glycoside with Solid Base Catalysts. ACS Sustainable Chemistry and Engineering, 2018, 6, 7810-7817.	6.7	7

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145	Supercritical CO2 Transesterification of Triolein to Methyl-Oleate in a Batch Reactor: Experimental and Simulation Results. Processes, 2019, 7, 16.	2.8	7
146	Making Waves. Environmental Science & Technology, 2020, 54, 6449-6450.	10.0	7
147	Moving from Protection to Prosperity: Evolving the U.S. Environmental Protection Agency for the next 50 years. Environmental Science & Technology, 2021, 55, 2779-2789.	10.0	7
148	Green Chemistry: A Framework for a Sustainable Future. Environmental Science and Technology Letters, 2021, 8, 487-491.	8.7	7
149	Green Chemistry: A Framework for a Sustainable Future. ACS Omega, 2021, 6, 16254-16258.	3.5	7
150	Magnetically recoverable carbon-coated iron carbide with arsenic adsorptive removal properties. SN Applied Sciences, 2020, 2, 1.	2.9	6
151	Evolving Today to Best Serve Tomorrow. Environmental Science & Technology, 2020, 54, 5923-5924.	10.0	6
152	Green Chemistry: A Framework for a Sustainable Future. Organic Letters, 2021, 23, 4935-4939.	4.6	6
153	Carbon Dioxide Mediated Transesterification of Mixed Triacylglyceride Substrates. Energy & Fuels, 2018, 32, 9624-9632.	5.1	5
154	Exploration of a Novel, Enamine-Solid-Base Catalyzed Aldol Condensation with C-Glycosidic Pyranoses and Furanoses. ACS Sustainable Chemistry and Engineering, 2018, 6, 11196-11199.	6.7	5
155	Update to Our Reader, Reviewer, and Author Communitiesâ€"April 2020. ACS Applied Materials & Interfaces, 2020, 12, 20147-20148.	8.0	5
156	Forward Together. Environmental Science & Technology, 2020, 54, 4697-4697.	10.0	5
157	Confronting Racism in Chemistry Journals. Nano Letters, 2020, 20, 4715-4717.	9.1	5
158	Applying green chemistry to raw material selection and product formulation at The EstÃ©e Lauder Companies. Green Chemistry, 2022, 24, 2397-2408.	9.0	5
159	What to Expect When Expecting in Lab: A Review of Unique Risks and Resources for Pregnant Researchers in the Chemical Laboratory. Chemical Research in Toxicology, 2022, 35, 163-198.	3.3	5
160	Mono- and poly-unsaturated triacylglycerol fractionation from Chlorella sp. using supercritical carbon dioxide. Algal Research, 2019, 43, 101644.	4.6	4
161	Confronting Racism in Chemistry Journals. Organic Letters, 2020, 22, 4919-4921.	4.6	4
162	Green Chemistry: A Framework for a Sustainable Future. Organometallics, 2021, 40, 1801-1805.	2.3	4

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163	Green Chemistry: A Framework for a Sustainable Future. Journal of Organic Chemistry, 2021, 86, 8551-8555.	3.2	4
164	Chapter 10 When is waste not a waste?. Sustainability Science and Engineering, 2006, 1, 201-221.	0.6	3
165	Process Intensification of Algae Oil Extraction to Biodiesel. Computer Aided Chemical Engineering, 2018, 44, 1699-1704.	0.5	3
166	Update to Our Reader, Reviewer, and Author Communitiesâ€"April 2020. Journal of the American Chemical Society, 2020, 142, 8059-8060.	13.7	3
167	Green Chemistry: A Framework for a Sustainable Future. Industrial & Engineering Chemistry Research, 2021, 60, 8964-8968.	3.7	3
168	Utilizing the broad electromagnetic spectrum and unique nanoscale properties for chemical-free water treatment. Current Opinion in Chemical Engineering, 2021, 33, 100709.	7.8	3
169	Creating cascading non-linear solutions for the UN sustainable development goals through green chemistry. CheM, 2021, 7, 2825-2828.	11.7	3
170	Dataset for natural organic matter treatment by tailored biochars. Data in Brief, 2019, 25, 104353.	1.0	2
171	Update to Our Reader, Reviewer, and Author Communitiesâ€"April 2020. ACS Nano, 2020, 14, 5151-5152.	14.6	2
172	Confronting Racism in Chemistry Journals. ACS Nano, 2020, 14, 7675-7677.	14.6	2
173	Confronting Racism in Chemistry Journals. Chemical Reviews, 2020, 120, 5795-5797.	47.7	2
174	Remembering Jim Morgan and Our True North. Environmental Science & Technology, 2021, 55, 2709-2710.	10.0	2
175	The 2021 Outstanding Achievements in Environmental Science & Technology Award: The Asiaâ€"Pacific Region. Environmental Science and Technology Letters, 2021, 8, 1-2.	8.7	2
176	Green Chemistry: A Framework for a Sustainable Future. ACS Sustainable Chemistry and Engineering, 2021, 9, 8336-8340.	6.7	2
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