

Julie B Zimmerman

List of Publications by Year in descending order

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311
papers

11,137
citations

36691

53
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38517

99
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320
all docs

320
docs citations

320
times ranked

15527
citing authors

#	ARTICLE	IF	CITATIONS
1	Peer Reviewed: Design Through the 12 Principles of Green Engineering. <i>Environmental Science & Technology</i> , 2003, 37, 94A-101A.	4.6	992
2	Designing for a green chemistry future. <i>Science</i> , 2020, 367, 397-400.	6.0	645
3	The Green ChemisTREE: 20 years after taking root with the 12 principles. <i>Green Chemistry</i> , 2018, 20, 1929-1961.	4.6	499
4	Combinatorial Life Cycle Assessment to Inform Process Design of Industrial Production of Algal Biodiesel. <i>Environmental Science & Technology</i> , 2011, 45, 7060-7067.	4.6	318
5	Derivation and synthesis of renewable surfactants. <i>Chemical Society Reviews</i> , 2012, 41, 1499-1518.	18.7	237
6	Peer Reviewed: Applying the Principles of Green Engineering to Cradle-to-Cradle Design. <i>Environmental Science & Technology</i> , 2003, 37, 434A-441A.	4.6	224
7	Toward Understanding the Efficacy and Mechanism of <i>Opuntia</i> spp. as a Natural Coagulant for Potential Application in Water Treatment. <i>Environmental Science & Technology</i> , 2008, 42, 4274-4279.	4.6	222
8	Algae as a source of renewable chemicals: opportunities and challenges. <i>Green Chemistry</i> , 2011, 13, 1399.	4.6	201
9	Designing nanomaterials to maximize performance and minimize undesirable implications guided by the Principles of Green Chemistry. <i>Chemical Society Reviews</i> , 2015, 44, 5758-5777.	18.7	183
10	Nitrogen supply is an important driver of sustainable microalgae biofuel production. <i>Trends in Biotechnology</i> , 2013, 31, 134-138.	4.9	178
11	Global Stressors on Water Quality and Quantity. <i>Environmental Science & Technology</i> , 2008, 42, 4247-4254.	4.6	168
12	Green Chemistry and Green Engineering: A Framework for Sustainable Technology Development. <i>Annual Review of Environment and Resources</i> , 2011, 36, 271-293.	5.6	166
13	Challenges in Developing Biohydrogen as a Sustainable Energy Source: Implications for a Research Agenda. <i>Environmental Science & Technology</i> , 2010, 44, 2243-2254.	4.6	161
14	Fate of Sucralose through Environmental and Water Treatment Processes and Impact on Plant Indicator Species. <i>Environmental Science & Technology</i> , 2011, 45, 1363-1369.	4.6	158
15	Toward Green Nano. <i>Journal of Industrial Ecology</i> , 2008, 12, 316-328.	2.8	145
16	Construction Matters: Comparing Environmental Impacts of Building Modular and Conventional Homes in the United States. <i>Journal of Industrial Ecology</i> , 2012, 16, 243-253.	2.8	140
17	Novel, bio-based, photoactive arsenic sorbent: TiO ₂ -impregnated chitosan bead. <i>Water Research</i> , 2010, 44, 5722-5729.	5.3	139
18	Formation of flavorantâ€“propylene Glycol Adducts With Novel Toxicological Properties in Chemically Unstable E-Cigarette Liquids. <i>Nicotine and Tobacco Research</i> , 2019, 21, 1248-1258.	1.4	139

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19	Biodiesel production: the potential of algal lipids extracted with supercritical carbon dioxide. <i>Green Chemistry</i> , 2011, 13, 1422.	4.6	131
20	Estimates of solid waste disposal rates and reduction targets for landfill gas emissions. <i>Nature Climate Change</i> , 2016, 6, 162-165.	8.1	129
21	Enhanced arsenic removal using mixed metal oxide impregnated chitosan beads. <i>Water Research</i> , 2012, 46, 4427-4434.	5.3	127
22	The Green Print: Advancement of Environmental Sustainability in Healthcare. <i>Resources, Conservation and Recycling</i> , 2020, 161, 104882.	5.3	121
23	Consequential Environmental and Economic Life Cycle Assessment of Green and Gray Stormwater Infrastructures for Combined Sewer Systems. <i>Environmental Science & Technology</i> , 2013, 47, 11189-11198.	4.6	120
24	Impact of Surface Functionalization on Bacterial Cytotoxicity of Single-Walled Carbon Nanotubes. <i>Environmental Science & Technology</i> , 2012, 46, 6297-6305.	4.6	119
25	Adsorption of selenite and selenate by nanocrystalline aluminum oxide, neat and impregnated in chitosan beads. <i>Water Research</i> , 2014, 50, 373-381.	5.3	119
26	Guiding the design space for nanotechnology to advance sustainable crop production. <i>Nature Nanotechnology</i> , 2020, 15, 801-810.	15.6	119
27	Low risk posed by engineered and incidental nanoparticles in drinking water. <i>Nature Nanotechnology</i> , 2018, 13, 661-669.	15.6	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. <i>Environmental Science & Technology</i> , 2020, 54, 9769-9790.	4.6	117
29	Ammonia inhibition in oleaginous microalgae. <i>Algal Research</i> , 2016, 19, 123-127.	2.4	115
30	Toward substitution with no regrets. <i>Science</i> , 2015, 347, 1198-1199.	6.0	107
31	Flexibility and intensity of global water use. <i>Nature Sustainability</i> , 2019, 2, 515-523.	11.5	106
32	Preferential technological and life cycle environmental performance of chitosan flocculation for harvesting of the green algae <i>Neochloris oleoabundans</i> . <i>Bioresource Technology</i> , 2012, 121, 445-449.	4.8	103
33	Application of membrane dewatering for algal biofuel. <i>Algal Research</i> , 2015, 11, 1-12.	2.4	103
34	Overcoming implementation barriers for nanotechnology in drinking water treatment. <i>Environmental Science: Nano</i> , 2016, 3, 1241-1253.	2.2	101
35	Assessment of predictive models for estimating the acute aquatic toxicity of organic chemicals. <i>Green Chemistry</i> , 2016, 18, 4432-4445.	4.6	99
36	Shape-Dependent Surface Reactivity and Antimicrobial Activity of Nano-Cupric Oxide. <i>Environmental Science & Technology</i> , 2016, 50, 3975-3984.	4.6	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. <i>Environmental Science & Technology</i> , 2014, 48, 5883-5891.	4.6	94
38	Green chemistry and green engineering in China: drivers, policies and barriers to innovation. <i>Journal of Cleaner Production</i> , 2012, 32, 193-203.	4.6	92
39	Sooting tendencies of diesel fuels, jet fuels, and their surrogates in diffusion flames. <i>Fuel</i> , 2017, 197, 445-458.	3.4	90
40	The periodic table of the elements of green and sustainable chemistry. <i>Green Chemistry</i> , 2019, 21, 6545-6566.	4.6	90
41	A framework for sustainable nanomaterial selection and design based on performance, hazard, and economic considerations. <i>Nature Nanotechnology</i> , 2018, 13, 708-714.	15.6	89
42	The United Nations sustainability goals: How can sustainable chemistry contribute?. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018, 13, 150-153.	3.2	87
43	Cradle-to-Gate Greenhouse Gas Emissions for Twenty Anesthetic Active Pharmaceutical Ingredients Based on Process Scale-Up and Process Design Calculations. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6580-6591.	3.2	86
44	Hybrid Analysis of Blue Water Consumption and Water Scarcity Implications at the Global, National, and Basin Levels in an Increasingly Globalized World. <i>Environmental Science & Technology</i> , 2016, 50, 5143-5153.	4.6	84
45	Evaluating microalgal integrated biorefinery schemes: Empirical controlled growth studies and life cycle assessment. <i>Bioresource Technology</i> , 2014, 151, 19-27.	4.8	81
46	Identifying and designing chemicals with minimal acute aquatic toxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6289-6294.	3.3	75
47	Measuring the Embodied Energy in Drinking Water Supply Systems: A Case Study in The Great Lakes Region. <i>Environmental Science & Technology</i> , 2010, 44, 9516-9521.	4.6	72
48	Partitioning of Ethoxylated Nonionic Surfactants in Water/NAPL Systems:â€“Effects of Surfactant and NAPL Properties. <i>Environmental Science & Technology</i> , 2000, 34, 1583-1588.	4.6	71
49	Optimization of capacity and kinetics for a novel bio-based arsenic sorbent, TiO ₂ -impregnated chitosan bead. <i>Water Research</i> , 2011, 45, 5745-5754.	5.3	69
50	Towards rational molecular design: derivation of property guidelines for reduced acute aquatic toxicity. <i>Green Chemistry</i> , 2011, 13, 2373.	4.6	66
51	A Strategy for Material Supply Chain Sustainability: Enabling a Circular Economy in the Electronics Industry through Green Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5879-5888.	3.2	65
52	Comparison of Life Cycle Emissions and Energy Consumption for Environmentally Adapted Metalworking Fluid Systems. <i>Environmental Science & Technology</i> , 2008, 42, 8534-8540.	4.6	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. <i>Water Research</i> , 2016, 88, 889-896.	5.3	58
54	Barriers to the Implementation of Green Chemistry in the United States. <i>Environmental Science & Technology</i> , 2012, 46, 10892-10899.	4.6	56

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55	More than Target 6.3: A Systems Approach to Rethinking Sustainable Development Goals in a Resource-Scarce World. <i>Engineering</i> , 2016, 2, 481-489.	3.2	56
56	Tunable Molybdenum Disulfide-Enabled Fiber Mats for High-Efficiency Removal of Mercury from Water. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 18446-18456.	4.0	55
57	The role of counter ions in nano-hematite synthesis: Implications for surface area and selenium adsorption capacity. <i>Journal of Hazardous Materials</i> , 2016, 310, 117-124.	6.5	54
58	Economic and Environmental Assessment of Office Building Rainwater Harvesting Systems in Various U.S. Cities. <i>Environmental Science & Technology</i> , 2015, 49, 1768-1778.	4.6	53
59	Towards rational molecular design for reduced chronic aquatic toxicity. <i>Green Chemistry</i> , 2012, 14, 1001.	4.6	52
60	Partitioning of Ethoxylated Nonionic Surfactants into Nonaqueous-Phase Organic Liquids: Influence on Solubilization Behavior. <i>Environmental Science & Technology</i> , 1999, 33, 169-176.	4.6	49
61	Planning for climate change: The need for mechanistic systems-based approaches to study climate change impacts on diarrheal diseases. <i>Science of the Total Environment</i> , 2016, 548-549, 82-90.	3.9	49
62	Meta-analysis and Harmonization of Life Cycle Assessment Studies for Algae Biofuels. <i>Environmental Science & Technology</i> , 2017, 51, 9419-9432.	4.6	49
63	Comparative behavioral toxicology with two common larval fish models: Exploring relationships among modes of action and locomotor responses. <i>Science of the Total Environment</i> , 2018, 640-641, 1587-1600.	3.9	49
64	Controlling metal oxide nanoparticle size and shape with supercritical fluid synthesis. <i>Green Chemistry</i> , 2019, 21, 3769-3781.	4.6	49
65	Life Cycle Impacts and Benefits of a Carbon Nanotube-Enabled Chemical Gas Sensor. <i>Environmental Science & Technology</i> , 2014, 48, 11360-11368.	4.6	48
66	Multifunctional photoactive and selective adsorbent for arsenite and arsenate: Evaluation of nano titanium dioxide-enabled chitosan cross-linked with copper. <i>Journal of Hazardous Materials</i> , 2018, 358, 145-154.	6.5	47
67	Ionic cross-linked polyvinyl alcohol tunes vitrification and cold-crystallization of sugar alcohol for long-term thermal energy storage. <i>Green Chemistry</i> , 2020, 22, 5447-5462.	4.6	47
68	Design of Hard Water Stable Emulsifier Systems for Petroleum- and Bio-based Semi-synthetic Metalworking Fluids. <i>Environmental Science & Technology</i> , 2003, 37, 5278-5288.	4.6	46
69	Design Through the 12 Principles of Green Engineering. <i>IEEE Engineering Management Review</i> , 2007, 35, 16-16.	1.0	45
70	Tailored mesoporous biochar sorbents from pinecone biomass for the adsorption of natural organic matter from lake water. <i>Journal of Molecular Liquids</i> , 2019, 291, 111248.	2.3	45
71	Toward Tailored Functional Design of Multi-Walled Carbon Nanotubes (MWNTs): Electrochemical and Antimicrobial Activity Enhancement via Oxidation and Selective Reduction. <i>Environmental Science & Technology</i> , 2014, 48, 5938-5945.	4.6	44
72	Life Cycle Payback Estimates of Nanosilver Enabled Textiles under Different Silver Loading, Release, And Laundering Scenarios Informed by Literature Review. <i>Environmental Science & Technology</i> , 2015, 49, 7529-7542.	4.6	44

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73	Selective adsorption of arsenic over phosphate by transition metal cross-linked chitosan. <i>Chemical Engineering Journal</i> , 2021, 412, 128582.	6.6	44
74	Enzymatic and acid hydrolysis of <i>Tetraselmis suecica</i> for polysaccharide characterization. <i>Bioresource Technology</i> , 2014, 173, 415-421.	4.8	42
75	Chemical Adducts of Reactive Flavor Aldehydes Formed in E-Cigarette Liquids Are Cytotoxic and Inhibit Mitochondrial Function in Respiratory Epithelial Cells. <i>Nicotine and Tobacco Research</i> , 2020, 22, S25-S34.	1.4	42
76	Toward Informed Design of Nanomaterials: A Mechanistic Analysis of Structure–Property–Function Relationships for Faceted Nanoscale Metal Oxides. <i>ACS Nano</i> , 2020, 14, 16472-16501.	7.3	41
77	Removal of arsenic with reduced graphene oxide-TiO ₂ -enabled nanofibrous mats. <i>Chemical Engineering Journal</i> , 2019, 375, 122040.	6.6	40
78	Preferential adsorption of selenium oxyanions onto {110} and {012} nano-hematite facets. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 465-474.	5.0	40
79	Coordinating modeling and experimental research of engineered nanomaterials to improve life cycle assessment studies. <i>Environmental Science: Nano</i> , 2015, 2, 669-682.	2.2	39
80	The Molecular Basis of Sustainability. <i>CheM</i> , 2016, 1, 10-12.	5.8	39
81	Flavorant–Solvent Reaction Products and Menthol in JUUL E-Cigarettes and Aerosol. <i>American Journal of Preventive Medicine</i> , 2019, 57, 425-427.	1.6	39
82	Spatial Assessment of Net Mercury Emissions from the Use of Fluorescent Bulbs. <i>Environmental Science & Technology</i> , 2008, 42, 8564-8570.	4.6	38
83	Linear and cyclic C-glycosides as surfactants. <i>Green Chemistry</i> , 2011, 13, 321-325.	4.6	38
84	Freshwater Vulnerability beyond Local Water Stress: Heterogeneous Effects of Water-Electricity Nexus Across the Continental United States. <i>Environmental Science & Technology</i> , 2017, 51, 9899-9910.	4.6	38
85	Hard templating ultrathin polycrystalline hematite nanosheets: effect of nano-dimension on CO ₂ to CO conversion via the reverse water-gas shift reaction. <i>Nanoscale</i> , 2017, 9, 12984-12995.	2.8	36
86	Current Status and Future Challenges in Molecular Design for Reduced Hazard. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5900-5906.	3.2	35
87	Superparamagnetic MOF@GO Ni and Co based hybrid nanocomposites as efficient water pollutant adsorbents. <i>Science of the Total Environment</i> , 2020, 738, 139213.	3.9	35
88	(Virtual) Water Flows Uphill toward Money. <i>Environmental Science & Technology</i> , 2016, 50, 12320-12330.	4.6	34
89	Differences in flavourant levels and synthetic coolant use between USA, EU and Canadian Juul products. <i>Tobacco Control</i> , 2021, 30, 453-455.	1.8	34
90	Selectively biorefining astaxanthin and triacylglycerol co-products from microalgae with supercritical carbon dioxide extraction. <i>Bioresource Technology</i> , 2018, 269, 81-88.	4.8	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. <i>Green Chemistry Letters and Reviews</i> , 2018, 11, 103-110.	2.1	32
92	Toward Realizing Multifunctionality: Photoactive and Selective Adsorbents for the Removal of Inorganics in Water Treatment. <i>Accounts of Chemical Research</i> , 2019, 52, 1206-1214.	7.6	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. <i>Journal of Chemical Education</i> , 2019, 96, 761-765.	1.1	31
94	Synthetic Cooling Agents in US-marketed E-cigarette Refill Liquids and Popular Disposable E-cigarettes: Chemical Analysis and Risk Assessment. <i>Nicotine and Tobacco Research</i> , 2022, 24, 1037-1046.	1.4	31
95	Accelerated Solvent Extraction of Lignin from <i>Aleurites moluccana</i> (Candlenut) Nutshells. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 10045-10048.	2.4	30
96	High-Intensity Sweeteners in Alternative Tobacco Products. <i>Nicotine and Tobacco Research</i> , 2016, 18, 2169-2173.	1.4	30
97	Electrocatalysis for Chemical and Fuel Production: Investigating Climate Change Mitigation Potential and Economic Feasibility. <i>Environmental Science & Technology</i> , 2021, 55, 3240-3249.	4.6	30
98	Toward molecular design for hazard reduction—fundamental relationships between chemical properties and toxicity. <i>Tetrahedron</i> , 2010, 66, 1031-1039.	1.0	28
99	A system dynamics approach for urban water reuse planning: a case study from the Great Lakes region. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013, 27, 675-691.	1.9	27
100	A review of immobilization techniques to improve the stability and bioactivity of lysozyme. <i>Green Chemistry Letters and Reviews</i> , 2021, 14, 302-338.	2.1	27
101	Toward the Design of Less Hazardous Chemicals: Exploring Comparative Oxidative Stress in Two Common Animal Models. <i>Chemical Research in Toxicology</i> , 2017, 30, 893-904.	1.7	26
102	Life cycle considerations of nano-enabled agrochemicals: are today's tools up to the task?. <i>Environmental Science: Nano</i> , 2018, 5, 1057-1069.	2.2	26
103	Integrating Developed and Developing World Knowledge into Global Discussions and Strategies for Sustainability. 1. Science and Technology. <i>Environmental Science & Technology</i> , 2007, 41, 3415-3421.	4.6	25
104	Toward safer multi-walled carbon nanotube design: Establishing a statistical model that relates surface charge and embryonic zebrafish mortality. <i>Nanotoxicology</i> , 2015, 10, 1-10.	1.6	25
105	Phase equilibria of triolein to biodiesel reactor systems. <i>Fluid Phase Equilibria</i> , 2016, 409, 171-192.	1.4	25
106	Realizing Comparable Oxidative and Cytotoxic Potential of Single- and Multiwalled Carbon Nanotubes through Annealing. <i>Environmental Science & Technology</i> , 2013, 47, 130726133045005.	4.6	24
107	Harmonized algal biofuel life cycle assessment studies enable direct process train comparison. <i>Applied Energy</i> , 2018, 224, 494-509.	5.1	24
108	Effect of System Conditions for Biodiesel Production via Transesterification Using Carbon Dioxide—Methanol Mixtures in the Presence of a Heterogeneous Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 387-395.	3.2	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. <i>Carbon</i> , 2019, 155, 587-600.	5.4	23
110	Copper Recycling Flow Model for the United States Economy: Impact of Scrap Quality on Potential Energy Benefit. <i>Environmental Science & Technology</i> , 2021, 55, 5485-5495.	4.6	22
111	Sustainability and Commerce Trends. <i>Journal of Industrial Ecology</i> , 2011, 15, 821-824.	2.8	21
112	Reducing aquatic hazards of industrial chemicals: Probabilistic assessment of sustainable molecular design guidelines. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1894-1902.	2.2	21
113	Influence of Ion Accumulation on the Emulsion Stability and Performance of Semi-Synthetic Metalworking Fluids. <i>Environmental Science & Technology</i> , 2004, 38, 2482-2490.	4.6	20
114	The effect of sucralose on flavor sweetness in electronic cigarettes varies between delivery devices. <i>PLoS ONE</i> , 2017, 12, e0185334.	1.1	20
115	Nano-structural effects on Hematite (α -Fe ₂ O ₃) nanoparticle radiofrequency heating. <i>Nano Convergence</i> , 2021, 8, 8.	6.3	20
116	A Free Energy Approach to the Prediction of Olefin and Epoxide Mutagenicity and Carcinogenicity. <i>Chemical Research in Toxicology</i> , 2012, 25, 2780-2787.	1.7	18
117	Highly Conductive Single-Walled Carbon Nanotube Thin Film Preparation by Direct Alignment on Substrates from Water Dispersions. <i>Langmuir</i> , 2015, 31, 1155-1163.	1.6	18
118	Green Chemistry: A Framework for a Sustainable Future. <i>Organic Process Research and Development</i> , 2021, 25, 1455-1459.	1.3	18
119	Toward designing safer chemicals. <i>Science</i> , 2015, 347, 215-215.	6.0	17
120	Role of CO ₂ in Mass Transfer, Reaction Kinetics, and Interphase Partitioning for the Transesterification of Triolein in an Expanded Methanol System with Heterogeneous Acid Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2669-2677.	3.2	17
121	Time-dependent life cycle assessment of microalgal biorefinery co-products. <i>Biofuels, Bioproducts and Biorefining</i> , 2016, 10, 409-421.	1.9	17
122	The Molecular Design Research Network. <i>Toxicological Sciences</i> , 2018, 161, 241-248.	1.4	17
123	Integrating Developed and Developing World Knowledge into Global Discussions and Strategies for Sustainability. 2. Economics and Governance. <i>Environmental Science & Technology</i> , 2007, 41, 3422-3430.	4.6	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. <i>Environmental Science: Nano</i> , 2021, 8, 37-66.	2.2	16
125	Systems Approach to Climate, Water, and Diarrhea in Hubli-Dharwad, India. <i>Environmental Science & Technology</i> , 2016, 50, 13042-13051.	4.6	15
126	Simultaneous Extraction, Fractionation, and Enrichment of Microalgal Triacylglycerides by Exploiting the Tunability of Neat Supercritical Carbon Dioxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6222-6230.	3.2	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.	3.8	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.	2.2	13
129	Confronting Racism in Chemistry Journals. ACS Applied Materials & Interfaces, 2020, 12, 28925-28927.	4.0	13
130	Green Chemistry as a Leadership Opportunity for Toxicology: We Must Take the Wheel. Toxicological Sciences, 2014, 141, 4-5.	1.4	12
131	CO_2 process intensification of algae oil extraction to biodiesel. AIChE Journal, 2021, 67, .	1.8	12
132	Green Chemistry: A Framework for a Sustainable Future. Environmental Science & Technology, 2021, 55, 8459-8463.	4.6	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.	5.4	11
134	Safer by Design. Green Chemistry, 2016, 18, 4324-4324.	4.6	11
135	Probabilistic diagram for designing chemicals with reduced potency to incur cytotoxicity. Green Chemistry, 2016, 18, 4461-4467.	4.6	11
136	A Proactive Approach to Toxic Chemicals: Moving Green Chemistry Beyond Alternatives in the "Safe Chemicals Act of 2010". Environmental Science & Technology, 2010, 44, 6022-6023.	4.6	10
137	Why Was My Paper Rejected without Review?. Environmental Science & Technology, 2020, 54, 11641-11644.	4.6	10
138	Performance and Sustainability Tradeoffs of Oxidized Carbon Nanotubes as a Cathodic Material in Lithium-Oxygen Batteries. ChemSusChem, 2021, 14, 898-908.	3.6	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.	1.7	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.	1.7	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.	1.4	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.	4.6	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.	3.2	7

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145	Supercritical CO ₂ Transesterification of Triolein to Methyl-Oleate in a Batch Reactor: Experimental and Simulation Results. <i>Processes</i> , 2019, 7, 16.	1.3	7
146	Making Waves. <i>Environmental Science & Technology</i> , 2020, 54, 6449-6450.	4.6	7
147	Moving from Protection to Prosperity: Evolving the U.S. Environmental Protection Agency for the next 50 years. <i>Environmental Science & Technology</i> , 2021, 55, 2779-2789.	4.6	7
148	Green Chemistry: A Framework for a Sustainable Future. <i>Environmental Science and Technology Letters</i> , 2021, 8, 487-491.	3.9	7
149	Green Chemistry: A Framework for a Sustainable Future. <i>ACS Omega</i> , 2021, 6, 16254-16258.	1.6	7
150	Magnetically recoverable carbon-coated iron carbide with arsenic adsorptive removal properties. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	6
151	Evolving Today to Best Serve Tomorrow. <i>Environmental Science & Technology</i> , 2020, 54, 5923-5924.	4.6	6
152	Green Chemistry: A Framework for a Sustainable Future. <i>Organic Letters</i> , 2021, 23, 4935-4939.	2.4	6
153	Carbon Dioxide Mediated Transesterification of Mixed Triacylglyceride Substrates. <i>Energy & Fuels</i> , 2018, 32, 9624-9632.	2.5	5
154	Exploration of a Novel, Enamine-Solid-Base Catalyzed Aldol Condensation with C-Glycosidic Pyranoses and Furanoses. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11196-11199.	3.2	5
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