Paul Anastas

List of Publications by Year
in descending order

178 papers	17,964 citations	34076 52 h-index	13365 130 g-index
194 all docs	194 docs citations	194 times ranked	19295 citing authors

#	Article	IF	Citations
1	Green Chemistry: Principles and Practice. Chemical Society Reviews, 2010, 39, 301-312.	18.7	3,379
2	Origins, Current Status, and Future Challenges of Green Chemistry. Accounts of Chemical Research, 2002, 35, 686-694.	7.6	1,892
3	Peer Reviewed: Design Through the 12 Principles of Green Engineering. Environmental Science & Technology, 2003, 37, 94A-101A.	4.6	992
4	Green Chemistry: Science and Politics of Change. Science, 2002, 297, 807-810.	6.0	761
5	Designing for a green chemistry future. Science, 2020, 367, 397-400.	6.0	645
6	Innovations and Green Chemistry. Chemical Reviews, 2007, 107, 2169-2173.	23.0	616
7	Lignin transformations for high value applications: towards targeted modifications using green chemistry. Green Chemistry, 2017, 19, 4200-4233.	4.6	542
8	The Green ChemisTREE: 20 years after taking root with the 12 principles. Green Chemistry, 2018, 20, 1929-1961.	4.6	499
9	Green Chemistry and the Role of Analytical Methodology Development. Critical Reviews in Analytical Chemistry, 1999, 29, 167-175.	1.8	436
10	Synthetic pathways and processes in green chemistry. Introductory overview. Pure and Applied Chemistry, 2000, 72, 1207-1228.	0.9	430
11	Catalysis as a foundational pillar of green chemistry. Applied Catalysis A: General, 2001, 221, 3-13.	2.2	414
12	The role of catalysis in the design, development, and implementation of green chemistry. Catalysis Today, 2000, 55, 11-22.	2.2	323
13	Air pollution reduction and mortality benefit during the COVID-19 outbreak in China. Lancet Planetary Health, The, 2020, 4, e210-e212.	5.1	312
14	Depolymerization of organosolv lignin to aromatic compounds over Cu-doped porous metal oxides. Green Chemistry, 2014, 16, 191-196.	4.6	250
15	Introduction:â€‰ Green Chemistry. Chemical Reviews, 2007, 107, 2167-2168.	23.0	233
16	Peer Reviewed: Applying the Principles of Green Engineering to Cradle-to-Cradle Design. Environmental Science & Technology, 2003, 37, 434A-441A.	4.6	224
17	Life cycle assessment and green chemistry: the yin and yang of industrial ecology. Green Chemistry, 2000, 2, 289-295.	4.6	193
18	Green Chemistry: A design framework for sustainability. Energy and Environmental Science, 2009, 2, 1038.	15.6	185

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19	Designing nanomaterials to maximize performance and minimize undesirable implications guided by the Principles of Green Chemistry. Chemical Society Reviews, 2015, 44, 5758-5777.	18.7	183
20	Green Chemistry and Green Engineering: A Framework for Sustainable Technology Development. Annual Review of Environment and Resources, 2011, 36, 271-293.	5.6	166
21	One-pot reduction of 5-hydroxymethylfurfural via hydrogen transfer from supercritical methanol. Green Chemistry, 2012, 14, 2457.	4.6	164
22	Frontiers in Green Chemistry: meeting the grand challenges for sustainability in R&D and manufacturing. Journal of Cleaner Production, 2008, 16, 743-750.	4.6	148
23	Toward Green Nano. Journal of Industrial Ecology, 2008, 12, 316-328.	2.8	145
24	Formation of flavorantâ€“propylene Glycol Adducts With Novel Toxicological Properties in Chemically Unstable E-Cigarette Liquids. Nicotine and Tobacco Research, 2019, 21, 1248-1258.	1.4	139
25	A principled stance. Nature, 2001, 413, 257-257.	13.7	125
26	Science in support of the <i>Deepwater Horizon</i> response. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20212-20221.	3.3	124
27	Greener Routes to Biomass Waste Valorization: Lignin Transformation Through Electrocatalysis for Renewable Chemicals and Fuels Production. ChemSusChem, 2020, 13, 4214-4237.	3.6	123
28	The Green Print: Advancement of Environmental Sustainability in Healthcare. Resources, Conservation and Recycling, 2020, 161, 104882.	5.3	121
29	Green Chemistry: present and future. Chemical Society Reviews, 2012, 41, 1413.	18.7	115
30	Toward substitution with no regrets. Science, 2015, 347, 1198-1199.	6.0	107
31	Assessment of predictive models for estimating the acute aquatic toxicity of organic chemicals. Green Chemistry, 2016, 18, 4432-4445.	4.6	99
32	Toward a Comprehensive Molecular Design Framework for Reduced Hazard. Chemical Reviews, 2010, 110, 5845-5882.	23.0	98
33	Green chemistry: the emergence of a transformative framework. Green Chemistry Letters and Reviews, 2007, 1, 9-24.	2.1	92
34	Life cycle inventory improvement in the pharmaceutical sector: assessment of the sustainability combining PMI and LCA tools. Green Chemistry, 2015, 17, 3390-3400.	4.6	90
35	The periodic table of the elements of green and sustainable chemistry. Green Chemistry, 2019, 21, 6545-6566.	4.6	90
36	The United Nations sustainability goals: How can sustainable chemistry contribute?. Current Opinion in Green and Sustainable Chemistry, 2018, 13, 150-153.	3.2	87

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37	Depolymerization of organosolv lignin using doped porous metal oxides in supercritical methanol. Bioresource Technology, 2014, 161, 78-83.	4.8	86
38	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.	3.2	86
39	A switchable route to valuable commodity chemicals from glycerol via electrocatalytic oxidation with an earth abundant metal oxidation catalyst. Green Chemistry, 2017, 19, 1958-1968.	4.6	85
40	1,4-Dioxane as an emerging water contaminant: State of the science and evaluation of research needs. Science of the Total Environment, 2019, 690, 853-866.	3.9	85
41	Urinary Cadmium in the 1999â€“2008 U.S. National Health and Nutrition Examination Survey (NHANES). Environmental Science & Technology, 2013, 47, 1137-1147.	4.6	82
42	Silver-Catalyzed One-Pot Synthesis of Arylnaphthalene Lactones. Journal of Organic Chemistry, 2008, 73, 6932-6935.	1.7	78
43	2020 visions. Nature, 2010, 463, 26-32.	13.7	75
44	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.	3.3	75
45	Green Chemistry: An Overview. ACS Symposium Series, 1996, , 1-17.	0.5	70
46	Life-Cycle Approaches for Assessing Green Chemistry Technologies. Industrial & Engineering Chemistry Research, 2002, 41, 4498-4502.	1.8	69
47	Inspiring process innovation <i>via</i> an improved green manufacturing metric: iGAL. Green Chemistry, 2018, 20, 2206-2211.	4.6	69
48	Design for the environment and Green Chemistry: The heart and soul of industrial ecology. Journal of Cleaner Production, 1997, 5, 97-102.	4.6	66
49	Towards rational molecular design: derivation of property guidelines for reduced acute aquatic toxicity. Green Chemistry, 2011, 13, 2373.	4.6	66
50	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.	3.2	65
51	Electrochemical upgrading of depolymerized lignin: a review of model compound studies. Green Chemistry, 2021, 23, 2868-2899.	4.6	65
52	Title is missing!. Green Chemistry, 2003, 5, G29.	4.6	59
53	Barriers to the Implementation of Green Chemistry in the United States. Environmental Science & Technology, 2012, 46, 10892-10899.	4.6	56
54	Heterogeneous Sodiumâ€Manganese Oxide Catalyzed Aerobic Oxidative Cleavage of 1,2â€Diols. Angewandte Chemie - International Edition, 2017, 56, 9561-9565.	7.2	54

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55	The Transformative Innovations Needed by Green Chemistry for Sustainability. ChemSusChem, 2009, 2, 391-392.	3.6	53
56	Towards rational molecular design for reduced chronic aquatic toxicity. Green Chemistry, 2012, 14, 1001.	4.6	52
57	Highly selective hydrogenation and hydrogenolysis using a copper-doped porous metal oxide catalyst. Green Chemistry, 2016, 18, 150-156.	4.6	49
58	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.	3.9	49
59	Modification of chitosan films with environmentally benign reagents for increased water resistance. Green Chemistry Letters and Reviews, 2011, 4, 35-40.	2.1	46
60	Design Through the 12 Principles of Green Engineering. IEEE Engineering Management Review, 2007, 35, 16-16.	1.0	45
61	Plastics additives and green chemistry. Pure and Applied Chemistry, 2013, 85, 1611-1624.	0.9	42
62	Enzymatic and acid hydrolysis of Tetraselmis suecica for polysaccharide characterization. Bioresource Technology, 2014, 173, 415-421.	4.8	42
63	EcoMnOx, a Biosourced Catalyst for Selective Aerobic Oxidative Cleavage of Activated 1,2-Diols. ACS Sustainable Chemistry and Engineering, 2017, 5, 3214-3222.	3.2	41
64	The Molecular Basis of Sustainability. CheM, 2016, 1, 10-12.	5.8	39
65	Flavorantâ€"Solvent Reaction Products and Menthol in JUUL E-Cigarettes and Aerosol. American Journal of Preventive Medicine, 2019, 57, 425-427.	1.6	39
66	Spatial Assessment of Net Mercury Emissions from the Use of Fluorescent Bulbs. Environmental Science & Technology, 2008, 42, 8564-8570.	4.6	38
67	Linear and cyclic C-glycosides as surfactants. Green Chemistry, 2011, 13, 321-325.	4.6	38
68	Advancing the Next Generation of Health Risk Assessment. Environmental Health Perspectives, 2012, 120, 1499-1502.	2.8	36
69	Current Status and Future Challenges in Molecular Design for Reduced Hazard. ACS Sustainable Chemistry and Engineering, 2016, 4, 5900-5906.	3.2	35
70	â€œHappy silver anniversaryâ€ Green Chemistry at 25. Green Chemistry, 2016, 18, 12-13.	4.6	35
71	Peer Reviewed: Promoting Green Chemistry Initiatives. Environmental Science & Technology, 1999, 33, 116A-119A.	4.6	34
72	Differences in flavourant levels and synthetic coolant use between USA, EU and Canadian Juul products. Tobacco Control, 2021, 30, 453-455.	1.8	34

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73	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.	2.1	32
74	Silver-Catalyzed One-Pot Synthesis of Arylnaphthalene Lactone Natural Products. Journal of Natural Products, 2010, 73, 811-813.	1.5	31
75	Smectic Demixing in the Phase Behavior and Self-Assembly of a Hydrogen-Bonded Polymer with Mesogenic Side Chains. Macromolecules, 2010, 43, 6646-6654.	2.2	31
76	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.	1.1	31
77	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.	1.4	31
78	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
79	Towards Sustainable Catalysis â€“ Highly Efficient Olefin Metathesis in Protic Media Using Phase Labelled Cyclic Alkyl Amino Carbene (CAAC) Ruthenium Catalysts. ChemCatChem, 2020, 12, 1953-1957.	1.8	30
80	Electrocatalysis for Chemical and Fuel Production: Investigating Climate Change Mitigation Potential and Economic Feasibility. Environmental Science & Technology, 2021, 55, 3240-3249.	4.6	30
81	Impact of lignin structure on oil production via hydroprocessing with a copper-doped porous metal oxide catalyst. Bioresource Technology, 2017, 233, 216-226.	4.8	29
82	Synthesis of Semiochemicals via Olefin Metathesis. ACS Sustainable Chemistry and Engineering, 2019, 7, 33-48.	3.2	29
83	Toward molecular design for hazard reductionâ€"fundamental relationships between chemical properties and toxicity. Tetrahedron, 2010, 66, 1031-1039.	1.0	28
84	A review of immobilization techniques to improve the stability and bioactivity of lysozyme. Green Chemistry Letters and Reviews, 2021, 14, 302-338.	2.1	27
85	Green Chemical Syntheses and Processes: Introduction. ACS Symposium Series, 2000, , 1-6.	0.5	26
86	Toward the Design of Less Hazardous Chemicals: Exploring Comparative Oxidative Stress in Two Common Animal Models. Chemical Research in Toxicology, 2017, 30, 893-904.	1.7	26
87	Toward safer multi-walled carbon nanotube design: Establishing a statistical model that relates surface charge and embryonic zebrafish mortality. Nanotoxicology, 2015, 10, 1-10.	1.6	25
88	Benign by Design Chemistry. ACS Symposium Series, 1994, , 2-22.	0.5	24
89	Structure impact of two galactomannan fractions on their viscosity properties in dilute solution, unperturbed state and gel state. International Journal of Biological Macromolecules, 2017, 96, 550-559.	3.6	23
90	Sustainability through Green Chemistry and Engineering. ACS Symposium Series, 2002, , 1-11.	0.5	22

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91	Beyond Reductionist Thinking in Chemistry for Sustainability. Trends in Chemistry, 2019, 1, 145-148.	4.4	22
92	Application of the hard and soft, acids and bases (HSAB) theory as a method to predict cumulative neurotoxicity. NeuroToxicology, 2020, 79, 95-103.	1.4	22
93	Yale School of Public Health Symposium: An overview of the challenges and opportunities associated with per- and polyfluoroalkyl substances (PFAS). Science of the Total Environment, 2021, 778, 146192.	3.9	22
94	Green Chemistry as Applied to Solvents. ACS Symposium Series, 2002, , 1-9.	0.5	21
95	Reducing aquatic hazards of industrial chemicals: Probabilistic assessment of sustainable molecular design guidelines. Environmental Toxicology and Chemistry, 2014, 33, 1894-1902.	2.2	21
96	Performance Enhancement for Electrolytic Systems through the Application of a Cobalt-based Heterogeneous Water Oxidation Catalyst. ACS Sustainable Chemistry and Engineering, 2015, 3, 1234-1240.	3.2	21
97	Sustainable oxidative cleavage of catechols for the synthesis of muconic acid and muconolactones including lignin upgrading. Green Chemistry, 2020, 22, 6204-6211.	4.6	21
98	Synthesis of Natural Lignan Arylnaphthalene Lactones, Daurinol and Retrochinensin. Journal of Natural Products, 1991, 54, 1687-1691.	1.5	20
99	Differing selectivities in mechanochemical versus conventional solution oxidation using Oxone. Tetrahedron Letters, 2013, 54, 2344-2347.	0.7	20
100	The effect of sucralose on flavor sweetness in electronic cigarettes varies between delivery devices. PLoS ONE, 2017, 12, e0185334.	1.1	20
101	The Power of the United Nations Sustainable Development Goals in Sustainable Chemistry and Engineering Research. ACS Sustainable Chemistry and Engineering, 2021, 9, 8015-8017.	3.2	20
102	Spinosad: A Green Natural Product for Insect Control. ACS Symposium Series, 2002, , 61-73.	0.5	19
103	Ensuring the safety of chemicals. Journal of Exposure Science and Environmental Epidemiology, 2010, 20, 395-396.	1.8	19
104	Designing Science in a Crisis: The Deepwater Horizon Oil Spill. Environmental Science & Technology, 2010, 44, 9250-9251.	4.6	19
105	Fundamental Changes to EPAâ€™s Research Enterprise: The Path Forward. Environmental Science & Technology, 2012, 46, 580-586.	4.6	19
106	Beyond the beaker: benign by design society. Current Research in Green and Sustainable Chemistry, 2020, 3, 100028.	2.9	19
107	Green chemistry in China. Pure and Applied Chemistry, 2011, 83, 1379-1390.	0.9	18
108	A Free Energy Approach to the Prediction of Olefin and Epoxide Mutagenicity and Carcinogenicity. Chemical Research in Toxicology, 2012, 25, 2780-2787.	1.7	18

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109	Toward designing safer chemicals. Science, 2015, 347, 215-215.	6.0	17
110	The Molecular Design Research Network. Toxicological Sciences, 2018, 161, 241-248.	1.4	17
111	Advances in the methodology of a multicomponent synthesis of arylnaphthalene lactones. Green Chemistry, 2010, 12, 888.	4.6	15
112	Properties of Thermosets Derived from Chemically Modified Triglycerides and Bio-Based Comonomers. Applied Sciences (Switzerland), 2013, 3, 684-693.	1.3	15
113	Synthesis of 1,6-Hexandiol, Polyurethane Monomer Derivatives via Isomerization Metathesis of Methyl Linolenate. ACS Sustainable Chemistry and Engineering, 2017, 5, 11215-11220.	3.2	15
114	Circularity. Whatâ€™s the Problem?. ACS Sustainable Chemistry and Engineering, 2020, 8, 13111-13111.	3.2	15
115	A conceptual framework for description of complexity in intensive chemical processes. Chemical Engineering and Processing: Process Intensification, 2011, 50, 1027-1034.	1.8	14
116	Changing the Course of Chemistry. ACS Symposium Series, 2009, , 1-18.	0.5	13
117	A heterogeneous water oxidation catalyst from dicobalt octacarbonyl and 1,2-bis(diphenylphosphino)ethane. New Journal of Chemistry, 2014, 38, 1540.	1.4	13
118	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
119	Green engineering and sustainability. Environmental Science & Technology, 2003, 37, 423A-423A.	4.6	12
120	Green Chemistry as a Leadership Opportunity for Toxicology: We Must Take the Wheel. Toxicological Sciences, 2014, 141, 4-5.	1.4	12
121	Highly Efficient Ammonia Borane Hydrolytic Dehydrogenation in Neat Water Using Phase-Labeled CAAC-Ru Catalysts. ACS Sustainable Chemistry and Engineering, 2020, 8, 16097-16103.	3.2	12
122	Peer Reviewed: Green Chemistry Progress & Challenges. Environmental Science & Technology, 2001, 35, 114A-119A.	4.6	11
123	Perspective on Green Chemistry: The most challenging synthetic transformation. Tetrahedron, 2010, 66, 1026-1027.	1.0	11
124	Safer by Design. Green Chemistry, 2016, 18, 4324-4324.	4.6	11
125	Probabilistic diagram for designing chemicals with reduced potency to incur cytotoxicity. Green Chemistry, 2016, 18, 4461-4467.	4.6	11
126	Heterogeneous Sodiumâ€Manganese Oxide Catalyzed Aerobic Oxidative Cleavage of 1,2â€Diols. Angewandte Chemie, 2017, 129, 9689-9693.	1.6	11

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127	Origins and Early History of Green Chemistry. Series on Chemistry, Energy and the Environment, 2018, , 1-17.	0.3	11
128	The Wittig reaction in the undergraduate organic laboratory. Journal of Chemical Education, 1985, 62, 346.	1.1	10
129	Fusing green chemistry and green engineering: DesignBuild at the molecular level. Green Chemistry, 2008, 10, 607.	4.6	10
130	Quantum Chemistry Analysis of Reaction Thermodynamics for Hydrogenation and Hydrogenolysis of Aromatic Biomass Model Compounds. ACS Sustainable Chemistry and Engineering, 2017, 5, 10371-10378.	3.2	10
131	The Value-Adding Connections Between the Management of Ecoinnovation and the Principles of Green Chemistry and Green Engineering. , 2018, , 981-998.		8
132	Kinetics of Glutathione Depletion and Antioxidant Gene Expression as Indicators of Chemical Modes of Action Assessed <i>in Vitro</i> in Mouse Hepatocytes with Enhanced Glutathione Synthesis. Chemical Research in Toxicology, 2019, 32, 421-436.	1.7	8
133	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
134	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
135	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
136	Green chemistry design, innovation, solutions and a cohesive system. Green Chemistry Letters and Reviews, 2007, 1, 3-4.	2.1	7
137	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
138	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
139	Soft Templating and Disorder in an Applied 1D Cobalt Coordination Polymer Electrocatalyst. Matter, 2019, 1, 1354-1369.	5.0	7
140	Introducing Toxicology into the Undergraduate Chemistry Laboratory Using Safety Data Sheets and Sunscreen Activities. Journal of Chemical Education, 2019, 96, 720-724.	1.1	7
141	Moving from Protection to Prosperity: Evolving the U.S. Environmental Protection Agency for the next 50 years. Environmental Science & Technology, 2021, 55, 2779-2789.	4.6	7
142	Design for degradation or recycling for reuse?. Current Opinion in Green and Sustainable Chemistry, 2021, 31, 100528.	3.2	7
143	Ten years of green chemistry at the Gordon Research Conferences: frontiers of science. Green Chemistry, 2006, 8, 677.	4.6	6
144	Advancing Sustainable Manufacturing through a Heterogeneous Cobalt Catalyst for Selective Câ€"H Oxidation. Industrial & Engineering Chemistry Research, 2016, 55, 3308-3312.	1.8	6

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145	Metathesis of renewable polyene feedstocks â€“ Indirect evidences of the formation of catalytically active ruthenium allylidene species. Journal of Organometallic Chemistry, 2017, 847, 213-217.	0.8	6
146	The Evolution of ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 1-1.	3.2	6
147	One-pot synthesis to prepare lignin/photoacid nanohybrids for multifunctional biosensors and photo-triggered singlet oxygen generation. Green Chemistry, 2022, 24, 2904-2918.	4.6	6
148	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.	3.2	5
149	Applying green chemistry to raw material selection and product formulation at The EstÃ©e Lauder Companies. Green Chemistry, 2022, 24, 2397-2408.	4.6	5
150	Self-assembly of supramolecular complexes of charged conjugated polymers and imidazolium-based ionic liquid crystals. Giant, 2022, 9, 100088.	2.5	5
151	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.	1.7	5
152	THE UNITED STATES GREEN CHEMISTRY PROGRAM. Critical Reviews in Analytical Chemistry, 1999, 29, 267-268.	1.8	4
153	Sustainable Development through Industrial Ecology. ACS Symposium Series, 2002, , 13-29.	0.5	4
154	Reduction in air pollution and attributable mortality due to COVID-19 lockdown â€" Authors' reply. Lancet Planetary Health, The, 2020, 4, e269.	5.1	4
155	Joe Breen-heart and soul of Green Chemistry. Green Chemistry, 1999, 1, G87-G87.	4.6	3
156	An Environmentally Benign Catalytic Polyoxometalate Technology for Transforming Wood Pulp into Paper. ACS Symposium Series, 2002, , 87-100.	0.5	3
157	Plastics Are Not Bad. Bad Plastics Are Bad.. ACS Sustainable Chemistry and Engineering, 2021, 9, 9150-9150.	3.2	3
158	Creating cascading non-linear solutions for the UN sustainable development goals through green chemistry. CheM, 2021, 7, 2825-2828.	5.8	3
159	4,5-diphenyl-1-methylimidazole: An undergraduate laboratory experiment. Journal of Chemical Education, 1985, 62, 515.	1.1	2
160	More 1999 Presidential Green Chemistry Awards. Green Chemistry, 1999, 1, G124-G125.	4.6	2
161	Toward a Green Chemistry and Engineering Solution for the U.S. Energy Industry: Reducing Emissions and Converting Waste Streams into Value-Added Products. ACS Symposium Series, 2002, , 225-241.	0.5	2
162	Scientists Duty to the Truth. Environmental Science & Technology, 2017, 51, 1058-1058.	4.6	2

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163	Green chemistry education. Environmental Science and Pollution Research, 1999, 6, 106-106.	2.7	1
164	GSC Tokyo Statement. Green Chemistry, 2003, 5, G74.	4.6	1
165	Integrating Green Engineering into Engineering Curricula. ACS Symposium Series, 2009, , 137-146.	0.5	1
166	Channel Interactions and Robust Inference for Ratiometric Î²-Lactamase Assay Data: A Tox21 Library Analysis. ACS Sustainable Chemistry and Engineering, 2018, 6, 3233-3241.	3.2	1
167	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
168	Worthy and Necessary Challenges. ACS Sustainable Chemistry and Engineering, 2020, 8, 6572-6573.	3.2	1
169	2020 Hindsight: Lessons from the Past Year. ACS Sustainable Chemistry and Engineering, 2021, 9, 1423-1424.	3.2	1
170	Building Pathways to a Sustainable Planet. ACS Sustainable Chemistry and Engineering, 2022, 10, 1-2.	3.2	1
171	Methodology for pollution source reduction assessments of the manufacturing process chemistry in the US EPA's pre-manufacture notice reviews. Journal of Cleaner Production, 1994, 2, 37-41.	4.6	0
172	More 1999 Presidential Green Chemistry Awards. Green Chemistry, 1999, 1, G174-G175.	4.6	0
173	The challenge that must be met. Clean Products and Processes, 2001, 3, 284-285.	0.4	0
174	Radiation Chemistry: The Basis for an Inherently Green Process Technology. ACS Symposium Series, 2002, , 163-176.	0.5	0
175	The Essential Bill Glaze. Environmental Science & Technology, 2010, 44, 7181-7183.	4.6	0
176	Heterogeneous copper-catalyzed direct reduction of C-glycosidic enones to saturated alcohols in water. Green Chemistry, 2019, 21, 238-244.	4.6	0
177	The Law of the Land: Sustainable Chemistry Innovation. ACS Sustainable Chemistry and Engineering, 2021, 9, 5250-5251.	3.2	0
178	Green Chemistry: Thirty Years of Holding Up Our End of the Bargain. ACS Sustainable Chemistry and Engineering, 2021, 9, 16005-16006.	3.2	0