List of Publications by Year in descending order

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		17440	19749
228	15,694	63	117
papers	citations	h-index	g-index
232	232	232	12969
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Plastic Accumulation in the North Atlantic Subtropical Gyre. Science, 2010, 329, 1185-1188.	12.6	1,024
2	Tracking Hydrocarbon Plume Transport and Biodegradation at Deepwater Horizon. Science, 2010, 330, 201-204.	12.6	701
3	Organic micropollutants in marine plastics debris from the open ocean and remote and urban beaches. Marine Pollution Bulletin, 2011, 62, 1683-1692.	5.0	654
4	Composition and fate of gas and oil released to the water column during the <i>Deepwater Horizon</i> oil spill. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20229-20234.	7.1	599
5	The size, mass, and composition of plastic debris in the western North Atlantic Ocean. Marine Pollution Bulletin, 2010, 60, 1873-1878.	5.0	544
6	Combustion-Derived Polycyclic Aromatic Hydrocarbons in the Environment—A Review. Environmental Forensics, 2005, 6, 109-131.	2.6	497
7	Evaluation of a protocol for the quantification of black carbon in sediments. Global Biogeochemical Cycles, 2001, 15, 881-890.	4.9	341
8	Impact of the <i>Deepwater Horizon</i> oil spill on a deep-water coral community in the Gulf of Mexico. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20303-20308.	7.1	335
9	Resolving the Unresolved Complex Mixture in Petroleum-Contaminated Sediments. Environmental Science & Technology, 2003, 37, 1653-1662.	10.0	302
10	Two Abundant Bioaccumulated Halogenated Compounds Are Natural Products. Science, 2005, 307, 917-920.	12.6	296
11	Oil Weathering after the <i>Deepwater Horizon</i> Disaster Led to the Formation of Oxygenated Residues. Environmental Science & Technology, 2012, 46, 8799-8807.	10.0	290
12	The West Falmouth Oil Spill after Thirty Years:Â The Persistence of Petroleum Hydrocarbons in Marsh Sediments. Environmental Science & Technology, 2002, 36, 4754-4760.	10.0	282
13	Chemical data quantify <i>Deepwater Horizon</i> hydrocarbon flow rate and environmental distribution. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20246-20253.	7.1	258
14	Fallout plume of submerged oil from <i>Deepwater Horizon</i> . Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15906-15911.	7.1	242
15	Human Health and Ocean Pollution. Annals of Global Health, 2020, 86, 151.	2.0	240
16	High-Resolution Record of Pyrogenic Polycyclic Aromatic Hydrocarbon Deposition during the 20th Century. Environmental Science & Technology, 2003, 37, 53-61.	10.0	213
17	Radiocarbon as a Tool To Apportion the Sources of Polycyclic Aromatic Hydrocarbons and Black Carbon in Environmental Samples. Environmental Science & Technology, 2002, 36, 1774-1782.	10.0	200
18	Sunlight Converts Polystyrene to Carbon Dioxide and Dissolved Organic Carbon. Environmental Science and Technology Letters, 2019, 6, 669-674.	8.7	158

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19	Recalcitrance and Degradation of Petroleum Biomarkers upon Abiotic and Biotic Natural Weathering of <i>Deepwater Horizon</i> Oil. Environmental Science & Technology, 2014, 48, 6726-6734.	10.0	148
20	Expansion of the Analytical Window for Oil Spill Characterization by Ultrahigh Resolution Mass Spectrometry: Beyond Gas Chromatography. Environmental Science & Technology, 2013, 47, 7530-7539.	10.0	144
21	Assessment of photochemical processes in marine oil spill fingerprinting. Marine Pollution Bulletin, 2014, 79, 268-277.	5.0	143
22	Determination of HBCD, PBDEs and MeO-BDEs in California sea lions (Zalophus californianus) stranded between 1993 and 2003. Marine Pollution Bulletin, 2006, 52, 522-531.	5.0	141
23	Environmental Chemistry of Benzothiazoles Derived from Rubber. Environmental Science & Technology, 1997, 31, 2847-2853.	10.0	140
24	Targeted Petroleomics: Analytical Investigation of Macondo Well Oil Oxidation Products from Pensacola Beach. Energy & Fuels, 2014, 28, 4043-4050.	5.1	130
25	Elevated levels of diesel range organic compounds in groundwater near Marcellus gas operations are derived from surface activities. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13184-13189.	7.1	130
26	Nanoaggregates of Asphaltenes in a Reservoir Crude Oil and Reservoir Connectivity. Energy & Fuels, 2009, 23, 1178-1188.	5.1	121
27	Nontargeted Comprehensive Two-Dimensional Gas Chromatography/Time-of-Flight Mass Spectrometry Method and Software for Inventorying Persistent and Bioaccumulative Contaminants in Marine Environments. Environmental Science & Technology, 2012, 46, 8001-8008.	10.0	115
28	Contribution of Biomass Burning to Atmospheric Polycyclic Aromatic Hydrocarbons at Three European Background Sites. Environmental Science & Technology, 2005, 39, 2976-2982.	10.0	113
29	Biodegradation and environmental behavior of biodiesel mixtures in the sea: An initial study. Marine Pollution Bulletin, 2007, 54, 894-904.	5.0	111
30	GC-MS analysis of total petroleum hydrocarbons and polycyclic aromatic hydrocarbons in seawater samples after the North Cape oil spill. Marine Pollution Bulletin, 1999, 38, 126-135.	5.0	107
31	Tracking the Weathering of an Oil Spill with Comprehensive Two-Dimensional Gas Chromatography. Environmental Forensics, 2006, 7, 33-44.	2.6	107
32	Analysis of unresolved complex mixtures of hydrocarbons extracted from Late Archean sediments by comprehensive two-dimensional gas chromatography (GC×GC). Organic Geochemistry, 2008, 39, 846-867.	1.8	107
33	Using Comprehensive Two-Dimensional Gas Chromatography Retention Indices To Estimate Environmental Partitioning Properties for a Complete Set of Diesel Fuel Hydrocarbons. Analytical Chemistry, 2005, 77, 7172-7182.	6.5	106
34	Petroleum dynamics in the sea and influence of subsea dispersant injection during <i>Deepwater Horizon</i> . Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10065-10070.	7.1	103
35	Acoustic measurement of the <i>Deepwater Horizon</i> Macondo well flow rate. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20235-20239.	7.1	101
36	Early Evaluation of Potential Environmental Impacts of Carbon Nanotube Synthesis by Chemical Vapor Deposition. Environmental Science & Technology, 2009, 43, 8367-8373.	10.0	100

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37	Rapid microbial respiration of oil from the <i>Deepwater Horizon</i> spill in offshore surface waters of the Gulf of Mexico. Environmental Research Letters, 2011, 6, 035301.	5.2	98
38	Indications of Transformation Products from Hydraulic Fracturing Additives in Shale-Gas Wastewater. Environmental Science & Technology, 2016, 50, 8036-8048.	10.0	96
39	Comparison of GC–MS, GC–MRM-MS, and GC × GC to characterise higher plant biomarkers in Tertiary oils and rock extracts. Geochimica Et Cosmochimica Acta, 2012, 87, 299-322.	3.9	94
40	Resolving Biodegradation Patterns of Persistent Saturated Hydrocarbons in Weathered Oil Samples from the <i>Deepwater Horizon</i> Disaster. Environmental Science & Technology, 2014, 48, 1628-1637.	10.0	94
41	Partial Photochemical Oxidation Was a Dominant Fate of <i>Deepwater Horizon</i> Surface Oil. Environmental Science & Technology, 2018, 52, 1797-1805.	10.0	94
42	Persistence and biodegradation of oil at the ocean floor following <i>Deepwater Horizon</i> . Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9-E18.	7.1	93
43	Identification of a novel alkenone in Black Sea sediments. Organic Geochemistry, 2001, 32, 633-645.	1.8	89
44	Weathering of Oil Spilled in the Marine Environment. Oceanography, 2016, 29, 126-135.	1.0	89
45	Disentangling Oil Weathering Using GC×GC. 1. Chromatogram Analysis. Environmental Science & Technology, 2007, 41, 5738-5746.	10.0	88
46	Unprecedented Ultrahigh Resolution FT-ICR Mass Spectrometry and Parts-Per-Billion Mass Accuracy Enable Direct Characterization of Nickel and Vanadyl Porphyrins in Petroleum from Natural Seeps. Energy & Fuels, 2014, 28, 2454-2464.	5.1	88
47	Photochemical Degradation of Polycyclic Aromatic Hydrocarbons in Oil Films. Environmental Science & Technology, 2008, 42, 2432-2438.	10.0	86
48	High-resolution historical records from Pettaquamscutt River basin sediments: 2. Pb isotopes reveal a potential new stratigraphic marker. Geochimica Et Cosmochimica Acta, 2005, 69, 1813-1824.	3.9	84
49	Industrially synthesized single-walled carbon nanotubes: compositional data for users, environmental risk assessments, and source apportionment. Nanotechnology, 2008, 19, 185706.	2.6	82
50	Oxygenated weathering products of Deepwater Horizon oil come from surprising precursors. Marine Pollution Bulletin, 2013, 75, 140-149.	5.0	80
51	Longâ€ŧerm consequences of residual petroleum on salt marsh grass. Journal of Applied Ecology, 2008, 45, 1284-1292.	4.0	79
52	Multiple Alkynes React with Ethylene To Enhance Carbon Nanotube Synthesis, Suggesting a Polymerization-like Formation Mechanism. ACS Nano, 2010, 4, 7185-7192.	14.6	79
53	First Day of an Oil Spill on the Open Sea: Early Mass Transfers of Hydrocarbons to Air and Water. Environmental Science & Technology, 2014, 48, 9400-9411.	10.0	78
54	Long-term biological effects of petroleum residues on fiddler crabs in salt marshes. Marine Pollution Bulletin, 2007, 54, 955-962.	5.0	74

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55	Molecular and isotopic identification of PAH sources in a highly industrialized urban estuary. Organic Geochemistry, 2005, 36, 619-632.	1.8	72
56	Compound class oil fingerprinting techniques using comprehensive two-dimensional gas chromatography (GC×GC). Organic Geochemistry, 2010, 41, 1026-1035.	1.8	71
57	Determination of Microbial Carbon Sources in Petroleum Contaminated Sediments Using Molecular14C Analysis. Environmental Science & Technology, 2005, 39, 2552-2558.	10.0	70
58	Molecular evidence of Late Archean archaea and the presence of a subsurface hydrothermal biosphere. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14260-14265.	7.1	70
59	Halogenated organic compounds in archived whale oil: A pre-industrial record. Environmental Pollution, 2007, 145, 668-671.	7.5	69
60	Disentangling Oil Weathering at a Marine Seep Using GC×GC: Broad Metabolic Specificity Accompanies Subsurface Petroleum Biodegradation. Environmental Science & Technology, 2008, 42, 7166-7173.	10.0	69
61	Stable chlorine and carbon isotopic compositions of selected semi-volatile organochlorine compounds. Organic Geochemistry, 2002, 33, 437-444.	1.8	67
62	Humic Substances and Crude Oil Induce Cytochrome P450 1A Expression in the Amazonian Fish SpeciesColossoma macropomum(Tambaqui). Environmental Science & Technology, 2006, 40, 2851-2858.	10.0	67
63	Combining biomarker and bulk compositional gradient analysis to assess reservoir connectivity. Organic Geochemistry, 2010, 41, 812-821.	1.8	66
64	High-resolution historical records from Pettaquamscutt River basin sediments: 1. 210Pb and varve chronologies validate record of 137Cs released by the Chernobyl accident. Geochimica Et Cosmochimica Acta, 2005, 69, 1803-1812.	3.9	65
65	Natural organobromine in marine sediments: New evidence of biogeochemical Br cycling. Global Biogeochemical Cycles, 2010, 24, .	4.9	65
66	Carbon and Chlorine Isotope Effects During Abiotic Reductive Dechlorination of Polychlorinated Ethanes. Environmental Science & amp; Technology, 2007, 41, 4662-4668.	10.0	63
67	Simulating Gas–Liquidâ~'Water Partitioning and Fluid Properties of Petroleum under Pressure: Implications for Deep-Sea Blowouts. Environmental Science & Technology, 2016, 50, 7397-7408.	10.0	63
68	Precursor gas chemistry determines the crystallinity of carbon nanotubes synthesized at low temperature. Carbon, 2011, 49, 804-810.	10.3	62
69	We need better data about the environmental persistence of plastic goods. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14618-14621.	7.1	60
70	Identification and quantification of alkene-based drilling fluids in crude oils by comprehensive two-dimensional gas chromatography with flame ionization detection. Journal of Chromatography A, 2007, 1148, 100-107.	3.7	58
71	Black carbon in marine particulate organic carbon: Inputs and cycling of highly recalcitrant organic carbon in the Gulf of Maine. Marine Chemistry, 2009, 113, 172-181.	2.3	58
72	Even carbon number predominance of plant wax n-alkanes. Organic Geochemistry, 2000, 31, 331-336.	1.8	57

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73	Stable Chlorine Isotopic Compositions of Aroclors and Aroclor-Contaminated Sediments. Environmental Science & Technology, 2000, 34, 2866-2870.	10.0	57
74	The North Cape oil spill: hydrocarbons in Rhode Island coastal waters and Point Judith Pond. Marine Environmental Research, 2001, 52, 445-461.	2.5	57
75	Weathering and the Fallout Plume of Heavy Oil from Strong Petroleum Seeps Near Coal Oil Point, CA. Environmental Science & Technology, 2009, 43, 3542-3548.	10.0	57
76	Analysis of petroleum compositional similarity using multiway principal components analysis (MPCA) with comprehensive two-dimensional gas chromatographic data. Journal of Chromatography A, 2011, 1218, 2584-2592.	3.7	57
77	Simultaneous Quantitation of Multiple Classes of Organohalogen Compounds in Fish Oils with Direct Sample Introduction Comprehensive Two-Dimensional Gas Chromatography and Time-of-Flight Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2009, 57, 2653-2660.	5.2	56
78	Microbial production and consumption of hydrocarbons in the global ocean. Nature Microbiology, 2021, 6, 489-498.	13.3	56
79	Radiocarbon Apportionment of Fossil versus Biofuel Combustion Sources of Polycyclic Aromatic Hydrocarbons in the Stockholm Metropolitan Area. Environmental Science & Technology, 2004, 38, 5344-5349.	10.0	55
80	Asphalt volcanoes as a potential source of methane to late Pleistocene coastal waters. Nature Geoscience, 2010, 3, 345-348.	12.9	55
81	The Absence and Application of Stable Carbon Isotopic Fractionation during the Reductive Dechlorination of Polychlorinated Biphenyls. Environmental Science & Technology, 2001, 35, 3310-3313.	10.0	54
82	A Chlorine Isotope Effect for Enzyme-Catalyzed Chlorination. Journal of the American Chemical Society, 2002, 124, 14526-14527.	13.7	54
83	Disentangling Oil Weathering Using GC×GC. 2. Mass Transfer Calculations. Environmental Science & Technology, 2007, 41, 5747-5755.	10.0	54
84	Effect of field exposure to 38-year-old residual petroleum hydrocarbons on growth, condition index, and filtration rate of the ribbed mussel, Geukensia demissa. Environmental Pollution, 2008, 154, 312-319.	7.5	54
85	GC × GCA New Analytical Tool For Environmental Forensics. Environmental Forensics, 2002, 3, 27-34.	2.6	53
86	Capabilities of Direct Sample Introductionâ^'Comprehensive Two-Dimensional Gas Chromatographyâ''Time-of-Flight Mass Spectrometry to Analyze Organic Chemicals of Interest in Fish Oils. Environmental Science & Technology, 2009, 43, 3240-3247.	10.0	53
87	Deciphering the lithological consequences of bottom trawling to sedimentary habitats on the shelf. Journal of Marine Systems, 2016, 159, 120-131.	2.1	53
88	Radiocarbon Evidence for a Naturally Produced, Bioaccumulating Halogenated Organic Compound. Environmental Science & Technology, 2004, 38, 1992-1997.	10.0	52
89	The composition, origin and fate of complex mixtures in the maltene fractions of hydrothermal petroleum assessed by comprehensive two-dimensional gas chromatography. Organic Geochemistry, 2012, 45, 48-65.	1.8	52
90	The first decade of scientific insights from the Deepwater Horizon oil release. Nature Reviews Earth & Environment, 2020, 1, 237-250.	29.7	52

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91	Abundance, Composition, and Vertical Transport of PAHs in Marsh Sediments. Environmental Science & Technology, 2005, 39, 8273-8280.	10.0	51
92	Oil Spill Source Identification by Principal Component Analysis of Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectra. Analytical Chemistry, 2013, 85, 9064-9069.	6.5	51
93	How Persistent and Bioavailable Are Oxygenated <i>Deepwater Horizon</i> Oil Transformation Products?. Environmental Science & Technology, 2018, 52, 7250-7258.	10.0	51
94	The M/V Cosco Busan spill: Source identification and short-term fate. Marine Pollution Bulletin, 2010, 60, 2123-2129.	5.0	50
95	Free and Bound Benzotriazoles in Marine and Freshwater Sediments. Environmental Science & Technology, 2000, 34, 973-979.	10.0	48
96	The 1974 spill of the Bouchard 65 oil barge: Petroleum hydrocarbons persist in Winsor Cove salt marsh sediments. Marine Pollution Bulletin, 2007, 54, 214-225.	5.0	48
97	Thermogravimetry–Mass Spectrometry for Carbon Nanotube Detection in Complex Mixtures. Environmental Science & Technology, 2012, 46, 12254-12261.	10.0	48
98	Compoundâ€specific ⁸¹ Br/ ⁷⁹ Br analysis by capillary gas chromatography/multicollector inductively coupled plasma mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 3301-3305.	1.5	45
99	Intrinsic bacterial biodegradation of petroleum contamination demonstrated in situ using natural abundance, molecular-level 14C analysis. Organic Geochemistry, 2006, 37, 981-989.	1.8	44
100	Analysis and Identification of Biomarkers and Origin of Color in a Bright Blue Crude Oil. Energy & Fuels, 2011, 25, 172-182.	5.1	44
101	Evaluation of Gas Chromatographic Isotope Fractionation and Process Contamination by Carbon in Compound-Specific Radiocarbon Analysis. Analytical Chemistry, 2007, 79, 2042-2049.	6.5	41
102	Determination of Biodiesel Blending Percentages Using Natural Abundance Radiocarbon Analysis: Testing the Accuracy of Retail Biodiesel Blends. Environmental Science & Technology, 2008, 42, 2476-2482.	10.0	41
103	Scientist Citizens. Science, 2009, 323, 1405-1405.	12.6	41
104	Isotopic Constraints on the Fate of Petroleum Residues Sequestered in Salt Marsh Sediments. Environmental Science & Technology, 2005, 39, 2545-2551.	10.0	39
105	Separation of 18α(H)-, 18β(H)-oleanane and lupane by comprehensive two-dimensional gas chromatography. Journal of Chromatography A, 2011, 1218, 5549-5553.	3.7	39
106	Long-term weathering and continued oxidation of oil residues from the Deepwater Horizon spill. Marine Pollution Bulletin, 2016, 113, 380-386.	5.0	39
107	Radiocarbon content of synthetic and natural semi-volatile halogenated organic compounds. Environmental Pollution, 2002, 120, 163-168.	7.5	38
108	Expanding the range of halogenated 1′-methyl-1,2′-bipyrroles (MBPs) using GC/ECNI-MS and GC×GC/TOF-MS. Chemosphere, 2008, 71, 1557-1565.	8.2	38

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109	Plastic Formulation is an Emerging Control of Its Photochemical Fate in the Ocean. Environmental Science & Technology, 2021, 55, 12383-12392.	10.0	38
110	Brominated flame retardants and organochlorine contaminants in winter flounder, harp and hooded seals, and North Atlantic right whales from the Northwest Atlantic Ocean. Marine Pollution Bulletin, 2010, 60, 1160-1169.	5.0	37
111	The West Falmouth Oil Spill: â^¼100 Kg of Oil Found to Persist Decades Later. Environmental Forensics, 2005, 6, 273-281.	2.6	36
112	Floating oil-covered debris from <i>Deepwater Horizon</i> : identification and application. Environmental Research Letters, 2012, 7, 015301.	5.2	36
113	Unresolved Complex Mixture (UCM) in Coastal Environments Is Derived from Fossil Sources. Environmental Science & Technology, 2013, 47, 726-731.	10.0	36
114	Global and Local Sources of Mercury Deposition in Coastal New England Reconstructed from a Multiproxy, High-Resolution, Estuarine Sediment Record. Environmental Science & Technology, 2018, 52, 7614-7620.	10.0	36
115	Molecular Evidence of Heavy-Oil Weathering Following the M/V <i>Cosco Busan</i> Spill: Insights from Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Environmental Science & Technology, 2014, 48, 3760-3767.	10.0	35
116	Identification of highly brominated analogues of Q1 in marine mammals. Environmental Pollution, 2006, 144, 336-344.	7.5	34
117	Response of Different Types of Sulfur Compounds to Oxidative Desulfurization of Jet Fuel. Energy & Fuels, 2014, 28, 2977-2983.	5.1	34
118	GC×GC—A New Analytical Tool For Environmental Forensics. Environmental Forensics, 2002, 3, 27-34.	2.6	33
119	Organohalogen contaminants and metabolites in cerebrospinal fluid and cerebellum gray matter in short-beaked common dolphins and Atlantic white-sided dolphins from the western North Atlantic. Environmental Pollution, 2009, 157, 2345-2358.	7.5	33
120	Unprecedented Insights into the Chemical Complexity of Coal Tar from Comprehensive Two-Dimensional Gas Chromatography Mass Spectrometry and Direct Infusion Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Energy & Fuels, 2015, 29, 641-648.	5.1	33
121	Photochemical Oxidation of Oil Reduced the Effectiveness of Aerial Dispersants Applied in Response to the <i>Deepwater Horizon</i> Spill. Environmental Science and Technology Letters, 2018, 5, 226-231.	8.7	33
122	A Geological Model for the Origin of Fluid Compositional Gradients in a Large Saudi Arabian Oilfield: An Investigation by Two-Dimensional Gas Chromatography (GC × GC) and Asphaltene Chemistry. Energy & Fuels, 2015, 29, 5666-5680.	5.1	32
123	Radiocarbon Dating of Alkenones from Marine Sediments: I. Isolation Protocol. Radiocarbon, 2005, 47, 401-412.	1.8	31
124	Visible–Near-Infrared Spectroscopy by Downhole Fluid Analysis Coupled with Comprehensive Two-Dimensional Gas Chromatography To Address Oil Reservoir Complexity. Energy & Fuels, 2008, 22, 496-503.	5.1	31
125	Biodegradation preference for isomers of alkylated naphthalenes and benzothiophenes in marine sediment contaminated with crude oil. Organic Geochemistry, 2011, 42, 630-639.	1.8	31
126	Recurrent Oil Sheens at the <i>Deepwater Horizon</i> Disaster Site Fingerprinted with Synthetic Hydrocarbon Drilling Fluids. Environmental Science & Technology, 2013, 47, 8211-8219.	10.0	31

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127	Integrating comprehensive two-dimensional gas chromatography and downhole fluid analysis to validate a spill-fill sequence of reservoirs with variations of biodegradation, water washing and thermal maturity. Fuel, 2017, 191, 538-554.	6.4	31
128	Latent hydrocarbons from cyanobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13434-13435.	7.1	30
129	Product Formulation Controls the Impact of Biofouling on Consumer Plastic Photochemical Fate in the Ocean. Environmental Science & amp; Technology, 2021, 55, 8898-8907.	10.0	30
130	Stable chlorine intramolecular kinetic isotope effects from the abiotic dehydrochlorination of DDT. Environmental Science and Pollution Research, 2002, 9, 183-186.	5.3	29
131	Naturally produced halogenated dimethyl bipyrroles bind to the aryl hydrocarbon receptor and induce cytochrome P4501A and porphyrin accumulation in chicken embryo hepatocytes. Environmental Toxicology and Chemistry, 2003, 22, 1622-1631.	4.3	28
132	Exploring the Complexity of Two Iconic Crude Oil Spills in the Gulf of Mexico (Ixtoc I and Deepwater) Tj ETQqO 0 (2019, 33, 3925-3933.) rgBT /Ov 5.1	verlock 10 Tf 28
133	MV Wakashio grounding incident in Mauritius 2020: The world's first major spillage of Very Low Sulfur Fuel Oil. Marine Pollution Bulletin, 2021, 171, 112917.	5.0	28
134	The <i>M/V X-Press Pearl</i> Nurdle Spill: Contamination of Burnt Plastic and Unburnt Nurdles along Sri Lanka's Beaches. ACS Environmental Au, 2022, 2, 128-135.	7.0	28
135	Modern and Fossil Contributions to Polycyclic Aromatic Hydrocarbons in PM2.5 from North Birmingham, Alabama in the Southeastern U.S Environmental Science & Technology, 2012, 46, 1422-1429.	10.0	27
136	Methods of Oil Detection in Response to the Deepwater Horizon Oil Spill. Oceanography, 2016, 29, 76-87.	1.0	27
137	Compound-specific bromine isotope compositions of one natural and six industrially synthesised organobromine substances. Environmental Chemistry, 2011, 8, 127.	1.5	25
138	Production of Jet Fuel Range Hydrocarbons as a Coproduct of Algal Biodiesel by Butenolysis of Long-Chain Alkenones. Energy & Fuels, 2015, 29, 922-930.	5.1	25
139	Significance of Perylene for Source Allocation of Terrigenous Organic Matter in Aquatic Sediments. Environmental Science & Technology, 2019, 53, 8244-8251.	10.0	25
140	Contemporary 14C radiocarbon levels of oxygenated polybrominated diphenyl ethers (O-PBDEs) isolated in sponge–cyanobacteria associations. Marine Pollution Bulletin, 2011, 62, 631-636.	5.0	24
141	Distribution Patterns Suggest Biomagnification of Halogenated 1′-Methyl-1,2′-Bipyrroles (MBPs). Environmental Science & Technology, 2009, 43, 122-127.	10.0	23
142	New thermodynamic modeling of reservoir crude oil. Fuel, 2014, 117, 839-850.	6.4	23
143	Combined Petroleum System Modeling and Comprehensive Two-Dimensional Gas Chromatography To Improve Understanding of the Crude Oil Chemistry in the Llanos Basin, Colombia. Energy & Fuels, 2015, 29, 4755-4767.	5.1	23
144	What on Earth Have We Been Burning? Deciphering Sedimentary Records of Pyrogenic Carbon. Environmental Science & Technology, 2017, 51, 12972-12980.	10.0	23

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145	Ocean Dumping of Containerized DDT Waste Was a Sloppy Process. Environmental Science & Technology, 2019, 53, 2971-2980.	10.0	23
146	Influence of anthropogenic activities and risk assessment on protected mangrove forest using traditional and emerging molecular markers (Ceará coast, northeastern Brazil). Science of the Total Environment, 2019, 656, 877-888.	8.0	23
147	Metal oxide supported Ni-impregnated bifunctional catalysts for controlling char formation and maximizing energy recovery during catalytic hydrothermal liquefaction of food waste. Sustainable Energy and Fuels, 2021, 5, 941-955.	4.9	23
148	Modeling comprehensive chemical composition of weathered oil following a marine spill to predict ozone and potential secondary aerosol formation and constrain transport pathways. Journal of Geophysical Research: Oceans, 2015, 120, 7300-7315.	2.6	22
149	Alkenones as renewable phase change materials. Renewable Energy, 2019, 134, 89-94.	8.9	21
150	Marine Natural Products, the Halogenated 1′-Methyl-1,2′-bipyrroles, Biomagnify in a Northwestern Atlantic Food Web. Environmental Science & Technology, 2010, 44, 5741-5747.	10.0	20
151	The relative contribution of methanotrophs to microbial communities and carbon cycling in soil overlying a coal-bed methane seep. FEMS Microbiology Ecology, 2013, 84, 474-494.	2.7	20
152	Applications of comprehensive two-dimensional gas chromatography (GCÂ×ÂGC) inÂstudying the source, transport, andÂfate of petroleum hydrocarbons inÂthe environment. , 2016, , 399-448.		20
153	Vapour pressures, aqueous solubilities, Henry's Law constants, and octanol/water partition coefficients of a series of mixed halogenated dimethyl bipyrroles. Chemosphere, 2004, 57, 1373-1381.	8.2	19
154	Radiocarbon-Based Assessment of Fossil Fuel-Derived Contaminant Associations in Sediments. Environmental Science & Technology, 2008, 42, 5428-5434.	10.0	19
155	Oxygen Isotopes (δ ¹⁸ 0) Trace Photochemical Hydrocarbon Oxidation at the Sea Surface. Geophysical Research Letters, 2019, 46, 6745-6754.	4.0	18
156	Beyond Fatty Acid Methyl Esters: Expanding the Renewable Carbon Profile with Alkenones from Isochrysis sp Energy & Fuels, 2012, 26, 2434-2441.	5.1	17
157	Detailed Compositional Characterization of the 2014 Bangladesh Furnace Oil Released into the World's Largest Mangrove Forest. Energy & Fuels, 2018, 32, 3232-3242.	5.1	17
158	Alkenones as a Promising Green Alternative for Waxes in Cosmetics and Personal Care Products. Cosmetics, 2018, 5, 34.	3.3	17
159	n-alkanes and fatty acids of Hypericum perforatum, Hypericum maculatum and Hypericum olympicum. Biochemical Systematics and Ecology, 2003, 31, 223-226.	1.3	16
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