

Christopher M Reddy

List of Publications by Year in descending order

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Version: 2024-02-01

228
papers

15,694
citations

20036

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all docs

232
docs citations

232
times ranked

14473
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Chemical Analysis of Oil Spills Since the <i>Deepwater Horizon</i> Disaster. <i>Critical Reviews in Analytical Chemistry</i> , 2023, 53, 1638-1697.	1.8	13
2	The <i>M/V X-Press Pearl</i> Nurdle Spill: Contamination of Burnt Plastic and Unburnt Nurdles along Sri Lanka's Beaches. <i>ACS Environmental Au</i> , 2022, 2, 128-135.	3.3	28
3	Biomaterials Science Can Offer a Valuable Second Opinion on Nature's Plastic Malady. <i>Environmental Science & Technology</i> , 2022, 56, 1475-1477.	4.6	5
4	<i>Nematostella vectensis</i> exhibits an enhanced molecular stress response upon co-exposure to highly weathered oil and surface UV radiation. <i>Marine Environmental Research</i> , 2022, 175, 105569.	1.1	2
5	Rapid Degradation of Cellulose Diacetate by Marine Microbes. <i>Environmental Science and Technology Letters</i> , 2022, 9, 37-41.	3.9	14
6	Characterizations and comparison of low sulfur fuel oils compliant with 2020 global sulfur cap regulation for international shipping. <i>Marine Pollution Bulletin</i> , 2022, 180, 113791.	2.3	8
7	GC-MS Analysis of Novel 2-Methyl Biomarker Compounds from a Large Middle East Oilfield. <i>Energy & Fuels</i> , 2022, 36, 8853-8865.	2.5	2
8	RADIOCARBON IN DISSOLVED ORGANIC CARBON BY UV OXIDATION: PROCEDURES AND BLANK CHARACTERIZATION AT NOSAMS. <i>Radiocarbon</i> , 2021, 63, 357-374.	0.8	9
9	Metal oxide supported Ni-impregnated bifunctional catalysts for controlling char formation and maximizing energy recovery during catalytic hydrothermal liquefaction of food waste. <i>Sustainable Energy and Fuels</i> , 2021, 5, 941-955.	2.5	23
10	Hydrocarbon transformations in sediments from the Cathedral Hill hydrothermal vent complex at Guaymas Basin, Gulf of California - A chemometric study of shallow seep architecture. <i>Organic Geochemistry</i> , 2021, 152, 104173.	0.9	7
11	Microbial production and consumption of hydrocarbons in the global ocean. <i>Nature Microbiology</i> , 2021, 6, 489-498.	5.9	56
12	Unusual Shorter-Chain C 35 and C 36 Alkenones from Commercially Grown <i>Isochrysis</i> sp. Microalgae. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2021, 98, 757-768.	0.8	2
13	Product Formulation Controls the Impact of Biofouling on Consumer Plastic Photochemical Fate in the Ocean. <i>Environmental Science & Technology</i> , 2021, 55, 8898-8907.	4.6	30
14	Production of Two Highly Abundant 2-Methyl-Branched Fatty Acids by Blooms of the Globally Significant Marine Cyanobacteria <i>Trichodesmium erythraeum</i> . <i>ACS Omega</i> , 2021, 6, 22803-22810.	1.6	2
15	Archaeal lipid diversity, alteration, preservation at Cathedral Hill, Guaymas Basin, Gulf of California, and its link to the deep time preservation paradox. <i>Organic Geochemistry</i> , 2021, , 104302.	0.9	1
16	Plastic Formulation is an Emerging Control of Its Photochemical Fate in the Ocean. <i>Environmental Science & Technology</i> , 2021, 55, 12383-12392.	4.6	38
17	MV <i>Wakashio</i> grounding incident in Mauritius 2020: The world's first major spillage of Very Low Sulfur Fuel Oil. <i>Marine Pollution Bulletin</i> , 2021, 171, 112917.	2.3	28
18	Thermodynamic feasibility of shipboard conversion of marine plastics to blue diesel for self-powered ocean cleanup. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2107250118.	3.3	7

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19	Evaluation of alkenones, a renewably sourced, plant-derived wax as a structuring agent for lipsticks. <i>International Journal of Cosmetic Science</i> , 2020, 42, 146-155.	1.2	16
20	Harnessing a decade of data to inform future decisions: Insights into the ongoing hydrocarbon release at Taylor Energy's Mississippi Canyon Block 20 (MC20) site. <i>Marine Pollution Bulletin</i> , 2020, 155, 111056.	2.3	4
21	We need better data about the environmental persistence of plastic goods. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14618-14621.	3.3	60
22	The first decade of scientific insights from the Deepwater Horizon oil release. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 237-250.	12.2	52
23	Human Health and Ocean Pollution. <i>Annals of Global Health</i> , 2020, 86, 151.	0.8	240
24	Sunlight Converts Polystyrene to Carbon Dioxide and Dissolved Organic Carbon. <i>Environmental Science and Technology Letters</i> , 2019, 6, 669-674.	3.9	158
25	Hurricane Isaac brings more than oil ashore: Characteristics of beach deposits following the Deepwater Horizon spill. <i>PLoS ONE</i> , 2019, 14, e0213464.	1.1	2
26	Significance of Perylene for Source Allocation of Terrigenous Organic Matter in Aquatic Sediments. <i>Environmental Science & Technology</i> , 2019, 53, 8244-8251.	4.6	25
27	Alkenones, a Renewably Sourced, Biobased Wax as an SPF Booster for Organic Sunscreens. <i>Cosmetics</i> , 2019, 6, 11.	1.5	8
28	Leveraging Lessons Learned from Black Carbon Research to Study Plastics in the Environment. <i>Environmental Science & Technology</i> , 2019, 53, 6599-6600.	4.6	5
29	Examining Inputs of Biogenic and Oil-Derived Hydrocarbons in Surface Waters Following the Deepwater Horizon Oil Spill. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1329-1337.	1.2	12
30	Oxygen Isotopes ($\delta^{18}O$) Trace Photochemical Hydrocarbon Oxidation at the Sea Surface. <i>Geophysical Research Letters</i> , 2019, 46, 6745-6754.	1.5	18
31	Ocean Dumping of Containerized DDT Waste Was a Sloppy Process. <i>Environmental Science & Technology</i> , 2019, 53, 2971-2980.	4.6	23
32	Exploring the Complexity of Two Iconic Crude Oil Spills in the Gulf of Mexico (Ixtoc I and Deepwater) <i>Environmental Science & Technology</i> , 2019, 53, 3925-3933.	2.5	28
33	Jet biofuels from algae. <i>Energy</i> , 2019, 184, 359-395.		6
34	Alkenones as renewable phase change materials. <i>Renewable Energy</i> , 2019, 134, 89-94.	4.3	21
35	Influence of anthropogenic activities and risk assessment on protected mangrove forest using traditional and emerging molecular markers (Ceará coast, northeastern Brazil). <i>Science of the Total Environment</i> , 2019, 656, 877-888.	3.9	23
36	Emerging and traditional organic markers: Baseline study showing the influence of untraditional anthropogenic activities on coastal zones with multiple activities (Ceará coast, Northeast Brazil). <i>Marine Pollution Bulletin</i> , 2019, 139, 256-262.	2.3	10

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37	Biodegradation and water washing in a spill-fill sequence of oilfields. <i>Fuel</i> , 2019, 237, 707-719.	3.4	15
38	Detailed Compositional Characterization of the 2014 Bangladesh Furnace Oil Released into the World's Largest Mangrove Forest. <i>Energy & Fuels</i> , 2018, 32, 3232-3242.	2.5	17
39	Photochemical Oxidation of Oil Reduced the Effectiveness of Aerial Dispersants Applied in Response to the Deepwater Horizon Spill. <i>Environmental Science and Technology Letters</i> , 2018, 5, 226-231.	3.9	33
40	Partial Photochemical Oxidation Was a Dominant Fate of Deepwater Horizon Surface Oil. <i>Environmental Science & Technology</i> , 2018, 52, 1797-1805.	4.6	94
41	Ongoing biodegradation of Deepwater Horizon oil in beach sands: Insights from tracing petroleum carbon into microbial biomass. <i>Marine Pollution Bulletin</i> , 2018, 126, 130-136.	2.3	10
42	Pelagic tar balls collected in the North Atlantic Ocean and Caribbean Sea from 1988 to 2016 have natural and anthropogenic origins. <i>Marine Pollution Bulletin</i> , 2018, 137, 352-359.	2.3	2
43	How Persistent and Bioavailable Are Oxygenated Deepwater Horizon Oil Transformation Products?. <i>Environmental Science & Technology</i> , 2018, 52, 7250-7258.	4.6	51
44	Alkenones as a Promising Green Alternative for Waxes in Cosmetics and Personal Care Products. <i>Cosmetics</i> , 2018, 5, 34.	1.5	17
45	Global and Local Sources of Mercury Deposition in Coastal New England Reconstructed from a Multiproxy, High-Resolution, Estuarine Sediment Record. <i>Environmental Science & Technology</i> , 2018, 52, 7614-7620.	4.6	36
46	Accessing Monomers, Surfactants, and the Queen Bee Substance by Acrylate Cross-Metathesis of Long-Chain Alkenones. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2017, 94, 831-840.	0.8	6
47	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. <i>Fuel</i> , 2017, 191, 538-554.	3.4	31
48	Persistence and biodegradation of oil at the ocean floor following Deepwater Horizon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9-E18.	3.3	93
49	What on Earth Have We Been Burning? Deciphering Sedimentary Records of Pyrogenic Carbon. <i>Environmental Science & Technology</i> , 2017, 51, 12972-12980.	4.6	23
50	Petroleum dynamics in the sea and influence of subsea dispersant injection during Deepwater Horizon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10065-10070.	3.3	103
51	Reservoir Implications of a Spill-Fill Sequence of Reservoir Charge Coupled with Viscosity and Asphaltene Gradients from a Combination of Water Washing and Biodegradation. , 2017, , .		10
52	Signal variability and data compression considerations for petroleum forensics in two-dimensional gas chromatography. , 2017, , .		0
53	Designing a solution to enable agency-academic scientific collaboration for disasters. <i>Ecology and Society</i> , 2017, 22, .	1.0	3
54	Impact of protists on a hydrocarbon-degrading bacterial community from deep-sea Gulf of Mexico sediments: A microcosm study. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 129, 350-359.	0.6	13

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55	Methods of Oil Detection in Response to the Deepwater Horizon Oil Spill. <i>Oceanography</i> , 2016, 29, 76-87.	0.5	27
56	Weathering of Oil Spilled in the Marine Environment. <i>Oceanography</i> , 2016, 29, 126-135.	0.5	89
57	Interpreting comprehensive two-dimensional gas chromatography using peak topography maps with application to petroleum forensics. <i>Chemistry Central Journal</i> , 2016, 10, 75.	2.6	15
58	Long-term weathering and continued oxidation of oil residues from the Deepwater Horizon spill. <i>Marine Pollution Bulletin</i> , 2016, 113, 380-386.	2.3	39
59	Compressed Forensic Source Image Using Source Pattern Map. , 2016, , .		2
60	A hump in ocean-air exchange. <i>Nature Geoscience</i> , 2016, 9, 415-416.	5.4	1
61	Decolorization improves the fuel properties of algal biodiesel from <i>Isochrysis</i> sp.. <i>Fuel</i> , 2016, 179, 229-234.	3.4	11
62	A One-Pot/Single-Analysis Approach to Substrate Scope Investigations Using Comprehensive Two-Dimensional Gas Chromatography (GC-MS). <i>Journal of Organic Chemistry</i> , 2016, 81, 3533-3541.	1.7	2
63	Simulating Gas-Liquid Water Partitioning and Fluid Properties of Petroleum under Pressure: Implications for Deep-Sea Blowouts. <i>Environmental Science & Technology</i> , 2016, 50, 7397-7408.	4.6	63
64	Indications of Transformation Products from Hydraulic Fracturing Additives in Shale-Gas Wastewater. <i>Environmental Science & Technology</i> , 2016, 50, 8036-8048.	4.6	96
65	Applications of comprehensive two-dimensional gas chromatography (GC-MS) in studying the source, transport, and fate of petroleum hydrocarbons in the environment. , 2016, , 399-448.		20
66	Experimental Protocol for Biodiesel Production with Isolation of Alkenones as Coproducts from Commercial <i>Isochrysis</i> Algal Biomass. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	3
67	Comprehensive Two-Dimensional Gas Chromatography to Assess Petroleum Product Weathering. <i>Springer Protocols</i> , 2016, , 129-149.	0.1	1
68	Decoupled sedimentary records of combustion: Causes and implications. <i>Geophysical Research Letters</i> , 2016, 43, 5098-5108.	1.5	11
69	Acceptance of the 2014 C.C. Patterson Award by Christopher M. Reddy. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 172, 461-462.	1.6	0
70	Advances on the separation of crocetane and phytane using GC-MS and GC-MS-TOFMS. <i>Organic Geochemistry</i> , 2016, 98, 176-182.	0.9	11
71	Deciphering the lithological consequences of bottom trawling to sedimentary habitats on the shelf. <i>Journal of Marine Systems</i> , 2016, 159, 120-131.	0.9	53
72	Modeling comprehensive chemical composition of weathered oil following a marine spill to predict ozone and potential secondary aerosol formation and constrain transport pathways. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 7300-7315.	1.0	22

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73	Oil-spill forensics using two-dimensional gas chromatography: Differentiating highly correlated petroleum sources using peak manifold clusters. , 2015, , .		4
74	Production of Jet Fuel Range Hydrocarbons as a Coproduct of Algal Biodiesel by Butenolysis of Long-Chain Alkenones. Energy & Fuels, 2015, 29, 922-930.	2.5	25
75	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.	2.5	33
76	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.	2.5	23
77	Compound-Cognizant Feature Compression of Gas Chromatographic Data to Facilitate Environmental Forensics. , 2015, , .		2
78	Latent hydrocarbons from cyanobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13434-13435.	3.3	30
79	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.	3.3	130
80	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.	2.5	32
81	Assessment of photochemical processes in marine oil spill fingerprinting. Marine Pollution Bulletin, 2014, 79, 268-277.	2.3	143
82	New thermodynamic modeling of reservoir crude oil. Fuel, 2014, 117, 839-850.	3.4	23
83	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.	3.3	242
84	Synthesis and Analysis of an Alkenone-Free Biodiesel from <i>Isochrysis</i> sp.. Energy & Fuels, 2014, 28, 2677-2683.	2.5	14
85	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.	4.6	94
86	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.	4.6	148
87	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.	4.6	78
88	Targeted Petroleomics: Analytical Investigation of Macondo Well Oil Oxidation Products from Pensacola Beach. Energy & Fuels, 2014, 28, 4043-4050.	2.5	130
89	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.	4.6	35
90	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.	2.5	88

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91	Response of Different Types of Sulfur Compounds to Oxidative Desulfurization of Jet Fuel. <i>Energy & Fuels</i> , 2014, 28, 2977-2983.	2.5	34
92	BIOTIC AND ABIOTIC OIL DEGRADATION AFTER THE DEEPWATER HORIZON DISASTER LEADS TO FORMATION OF RECALCITRANT OXYGENATED HYDROCARBONS: NEW INSIGHTS USING GC-MS. <i>International Oil Spill Conference Proceedings</i> , 2014, 2014, 1087-1098.	0.1	2
93	Modeling the effects of evaporation and dissolution for a heavy fuel oil: the M/V Cosco Busan spill. <i>International Oil Spill Conference Proceedings</i> , 2014, 2014, 300301.	0.1	1
94	High Resolution Forensic Analysis Of Surface Sheens Helps Pinpoint Source Of Oil Leakage From The Deepwater Horizon. <i>International Oil Spill Conference Proceedings</i> , 2014, 2014, 300290.	0.1	0
95	Expansion of the Analytical Window for Oil Spill Characterization by Ultrahigh Resolution Mass Spectrometry: Beyond Gas Chromatography. <i>Environmental Science & Technology</i> , 2013, 47, 7530-7539.	4.6	144
96	Oil Spill Source Identification by Principal Component Analysis of Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectra. <i>Analytical Chemistry</i> , 2013, 85, 9064-9069.	3.2	51
97	Oxygenated weathering products of Deepwater Horizon oil come from surprising precursors. <i>Marine Pollution Bulletin</i> , 2013, 75, 140-149.	2.3	80
98	Recurrent Oil Sheens at the Deepwater Horizon Disaster Site Fingerprinted with Synthetic Hydrocarbon Drilling Fluids. <i>Environmental Science & Technology</i> , 2013, 47, 8211-8219.	4.6	31
99	The relative contribution of methanotrophs to microbial communities and carbon cycling in soil overlying a coal-bed methane seep. <i>FEMS Microbiology Ecology</i> , 2013, 84, 474-494.	1.3	20
100	Unresolved Complex Mixture (UCM) in Coastal Environments Is Derived from Fossil Sources. <i>Environmental Science & Technology</i> , 2013, 47, 726-731.	4.6	36
101	Composition and fate of gas and oil released to the water column during the Deepwater Horizon oil spill. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20229-20234.	3.3	599
102	Impact of the Deepwater Horizon oil spill on a deep-water coral community in the Gulf of Mexico. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20303-20308.	3.3	335
103	Acoustic measurement of the Deepwater Horizon Macondo well flow rate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20235-20239.	3.3	101
104	Chemical data quantify Deepwater Horizon hydrocarbon flow rate and environmental distribution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20246-20253.	3.3	258
105	Floating oil-covered debris from Deepwater Horizon : identification and application. <i>Environmental Research Letters</i> , 2012, 7, 015301.	2.2	36
106	Estimating Phospholipid Membrane-Water Partition Coefficients Using Comprehensive Two-Dimensional Gas Chromatography. <i>Environmental Science & Technology</i> , 2012, 46, 3449-3456.	4.6	13
107	Thermogravimetry-Mass Spectrometry for Carbon Nanotube Detection in Complex Mixtures. <i>Environmental Science & Technology</i> , 2012, 46, 12254-12261.	4.6	48
108	Beyond Fatty Acid Methyl Esters: Expanding the Renewable Carbon Profile with Alkenones from <i>Isochrysis</i> sp.. <i>Energy & Fuels</i> , 2012, 26, 2434-2441.	2.5	17

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109	$\delta^{15}\text{N}$ Enrichment Suggests Possible Source for Halogenated 1-Methyl-2-bipyrroles (MBPs). Environmental Science & Technology, 2012, 46, 2064-2070.	4.6	5
110	Oil Weathering after the Deepwater Horizon Disaster Led to the Formation of Oxygenated Residues. Environmental Science & Technology, 2012, 46, 8799-8807.	4.6	290
111	Modern and Fossil Contributions to Polycyclic Aromatic Hydrocarbons in PM _{2.5} from North Birmingham, Alabama in the Southeastern U.S.. Environmental Science & Technology, 2012, 46, 1422-1429.	4.6	27
112	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.	0.9	52
113	Comparison of GC-MS, GC-MRM-MS, and GC-MS-MS to characterise higher plant biomarkers in Tertiary oils and rock extracts. Geochimica Et Cosmochimica Acta, 2012, 87, 299-322.	1.6	94
114	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.	4.6	115
115	Age of Nitrogen Deficient Microalgal Cells is a Key Factor for Maximizing Lipid Content. Research Journal of Phytochemistry, 2012, 6, 42-53.	0.1	6
116	Analysis and Identification of Biomarkers and Origin of Color in a Bright Blue Crude Oil. Energy & Fuels, 2011, 25, 172-182.	2.5	44
117	Biodegradation preference for isomers of alkylated naphthalenes and benzothiophenes in marine sediment contaminated with crude oil. Organic Geochemistry, 2011, 42, 630-639.	0.9	31
118	Contemporary ¹⁴ C radiocarbon levels of oxygenated polybrominated diphenyl ethers (O-PBDEs) isolated in sponge-cyanobacteria associations. Marine Pollution Bulletin, 2011, 62, 631-636.	2.3	24
119	Organic micropollutants in marine plastics debris from the open ocean and remote and urban beaches. Marine Pollution Bulletin, 2011, 62, 1683-1692.	2.3	654
120	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.	1.8	57
121	Separation of ¹⁸¹ H-, ¹⁸² H-oleanane and lupane by comprehensive two-dimensional gas chromatography. Journal of Chromatography A, 2011, 1218, 5549-5553.	1.8	39
122	Precursor gas chemistry determines the crystallinity of carbon nanotubes synthesized at low temperature. Carbon, 2011, 49, 804-810.	5.4	62
123	Rapid microbial respiration of oil from the Deepwater Horizon spill in offshore surface waters of the Gulf of Mexico. Environmental Research Letters, 2011, 6, 035301.	2.2	98
124	When Science and the Media Mix. Science, 2011, 332, 13-13.	6.0	6
125	Compound-specific bromine isotope compositions of one natural and six industrially synthesised organobromine substances. Environmental Chemistry, 2011, 8, 127.	0.7	25
126	Tracking and Modeling the Degradation of a 30 Year Old Fuel Oil Spill with Comprehensive Two-Dimensional Gas Chromatography. International Oil Spill Conference Proceedings, 2011, 2011, abs428.	0.1	3

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127	Plastic Accumulation in the North Atlantic Subtropical Gyre. <i>Science</i> , 2010, 329, 1185-1188.	6.0	1,024
128	Brominated flame retardants and organochlorine contaminants in winter flounder, harp and hooded seals, and North Atlantic right whales from the Northwest Atlantic Ocean. <i>Marine Pollution Bulletin</i> , 2010, 60, 1160-1169.	2.3	37
129	The size, mass, and composition of plastic debris in the western North Atlantic Ocean. <i>Marine Pollution Bulletin</i> , 2010, 60, 1873-1878.	2.3	544
130	The M/V Cosco Busan spill: Source identification and short-term fate. <i>Marine Pollution Bulletin</i> , 2010, 60, 2123-2129.	2.3	50
131	Asphalt volcanoes as a potential source of methane to late Pleistocene coastal waters. <i>Nature Geoscience</i> , 2010, 3, 345-348.	5.4	55
132	Multiple Alkynes React with Ethylene To Enhance Carbon Nanotube Synthesis, Suggesting a Polymerization-like Formation Mechanism. <i>ACS Nano</i> , 2010, 4, 7185-7192.	7.3	79
133	Dude, You Are Speaking Romulan. <i>Eos</i> , 2010, 91, 384-384.	0.1	1
134	Natural organobromine in marine sediments: New evidence of biogeochemical Br cycling. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	1.9	65
135	Marine Natural Products, the Halogenated 1,2-bipyrroles, Biomagnify in a Northwestern Atlantic Food Web. <i>Environmental Science & Technology</i> , 2010, 44, 5741-5747.	4.6	20
136	Molecular and Isotopic Analysis of Motor Oil from a Biodiesel-Driven Vehicle. <i>Energy & Fuels</i> , 2010, 24, 1037-1042.	2.5	9
137	Compound class oil fingerprinting techniques using comprehensive two-dimensional gas chromatography (GC ² -GC). <i>Organic Geochemistry</i> , 2010, 41, 1026-1035.	0.9	71
138	Combining biomarker and bulk compositional gradient analysis to assess reservoir connectivity. <i>Organic Geochemistry</i> , 2010, 41, 812-821.	0.9	66
139	Developing tools for risk assessment in protected species: Relative potencies inferred from competitive binding of halogenated aromatic hydrocarbons to aryl hydrocarbon receptors from beluga (<i>Delphinapterus leucas</i>) and mouse. <i>Aquatic Toxicology</i> , 2010, 100, 238-245.	1.9	10
140	Tracking Hydrocarbon Plume Transport and Biodegradation at Deepwater Horizon. <i>Science</i> , 2010, 330, 201-204.	6.0	701
141	Scientist Citizens. <i>Science</i> , 2009, 323, 1405-1405.	6.0	41
142	Black carbon in marine particulate organic carbon: Inputs and cycling of highly recalcitrant organic carbon in the Gulf of Maine. <i>Marine Chemistry</i> , 2009, 113, 172-181.	0.9	58
143	Inferring Black Carbon Concentrations in Particulate Organic Matter by Observing Pyrene Fluorescence Losses. <i>Environmental Science & Technology</i> , 2009, 43, 4864-4870.	4.6	11
144	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. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 2653-2660.	2.4	56

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145	Early Evaluation of Potential Environmental Impacts of Carbon Nanotube Synthesis by Chemical Vapor Deposition. <i>Environmental Science & Technology</i> , 2009, 43, 8367-8373.	4.6	100
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147	Distribution Patterns Suggest Biomagnification of Halogenated 1-Methyl-2-Bipyrroles (MBPs). <i>Environmental Science & Technology</i> , 2009, 43, 122-127.	4.6	23
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