

Jason M E Ahad

List of Publications by Year in descending order

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42
papers

1,917
citations

279487

23
h-index

264894

42
g-index

53
all docs

53
docs citations

53
times ranked

1772
citing authors

#	ARTICLE	IF	CITATIONS
1	Ten Year Performance Evaluation of a Field-Scale Zero-Valent Iron Permeable Reactive Barrier Installed to Remediate Trichloroethene Contaminated Groundwater. <i>Environmental Science & Technology</i> , 2010, 44, 3861-3869.	4.6	194
2	Contrasting carbon isotope fractionation during biodegradation of trichloroethylene and toluene: Implications for intrinsic bioremediation. <i>Organic Geochemistry</i> , 1999, 30, 813-820.	0.9	164
3	Headspace Analysis: A New Application for Isotopic Characterization of Dissolved Organic Contaminants. <i>Environmental Science & Technology</i> , 1999, 33, 190-194.	4.6	155
4	Carbon Isotope Effects Resulting from Equilibrium Sorption of Dissolved VOCs. <i>Analytical Chemistry</i> , 2000, 72, 5669-5672.	3.2	128
5	Carbon Isotope Fractionation during Anaerobic Biodegradation of Toluene: Implications for Intrinsic Bioremediation. <i>Environmental Science & Technology</i> , 2000, 34, 892-896.	4.6	107
6	Century-Long Source Apportionment of PAHs in Athabasca Oil Sands Region Lakes Using Diagnostic Ratios and Compound-Specific Carbon Isotope Signatures. <i>Environmental Science & Technology</i> , 2013, 47, 6155-6163.	4.6	98
7	Discriminatory classification of natural and anthropogenic waters in two U.K. estuaries. <i>Science of the Total Environment</i> , 2007, 373, 305-323.	3.9	82
8	The estuarine mixing behaviour of peatland derived dissolved organic carbon and its relationship to chromophoric dissolved organic matter in two North Sea estuaries (U.K.). <i>Estuarine, Coastal and Shelf Science</i> , 2007, 74, 131-144.	0.9	74
9	Hydrogen Isotope Fractionation during Methanogenic Degradation of Toluene: Potential for Direct Verification of Bioremediation. <i>Environmental Science & Technology</i> , 2000, 34, 4577-4581.	4.6	73
10	Sources of polycyclic aromatic hydrocarbons (PAHs) to northwestern Saskatchewan lakes east of the Athabasca oil sands. <i>Organic Geochemistry</i> , 2015, 80, 35-45.	0.9	67
11	Characterization and Quantification of Mining-Related Naphthenic Acids in Groundwater near a Major Oil Sands Tailings Pond. <i>Environmental Science & Technology</i> , 2013, 47, 5023-5030.	4.6	60
12	Air synthesis review: polycyclic aromatic compounds in the oil sands region. <i>Environmental Reviews</i> , 2018, 26, 430-468.	2.1	58
13	The Utica Shale and gas play in southern Quebec: Geological and hydrogeological syntheses and methodological approaches to groundwater risk evaluation. <i>International Journal of Coal Geology</i> , 2014, 126, 77-91.	1.9	56
14	Isotopic Evidence for Oil Sands Petroleum Coke in the Peace-Athabasca Delta. <i>Environmental Science & Technology</i> , 2015, 49, 12062-12070.	4.6	47
15	Advances in Distinguishing Groundwater Influenced by Oil Sands Process-Affected Water (OSPW) from Natural Bitumen-Influenced Groundwaters. <i>Environmental Science & Technology</i> , 2020, 54, 1522-1532.	4.6	45
16	Sources of n-alkanes in an urbanized estuary: Insights from molecular distributions and compound-specific stable and radiocarbon isotopes. <i>Marine Chemistry</i> , 2011, 126, 239-249.	0.9	44
17	Source Apportionment of Background PAHs in the Peace-Athabasca Delta (Alberta, Canada) Using Molecular Level Radiocarbon Analysis. <i>Environmental Science & Technology</i> , 2015, 49, 9056-9063.	4.6	38
18	Manifestation of an Enhanced Photoreduction of CO ₂ to CO over the In Situ Synthesized rGO Covalent Organic Framework under Visible Light Irradiation. <i>ACS Applied Energy Materials</i> , 2021, 4, 6005-6014.	2.5	30

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19	Controls on carbon cycling in two contrasting temperate zone estuaries: The Tyne and Tweed, UK. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 78, 685-693.	0.9	29
20	Evaluating the sources and fate of anthropogenic dissolved inorganic nitrogen (DIN) in two contrasting North Sea estuaries. <i>Science of the Total Environment</i> , 2006, 372, 317-333.	3.9	27
21	Polycyclic aromatic compounds (PACs) in the Canadian environment: A review of sampling techniques, strategies and instrumentation. <i>Environmental Pollution</i> , 2020, 266, 114988.	3.7	26
22	Extraction, Separation, and Intramolecular Carbon Isotope Characterization of Athabasca Oil Sands Acids in Environmental Samples. <i>Analytical Chemistry</i> , 2012, 84, 10419-10425.	3.2	25
23	Paleolimnological assessment of limnological change in 10 lakes from northwest Saskatchewan downwind of the Athabasca oils sands based on analysis of siliceous algae and trace metals in sediment cores. <i>Hydrobiologia</i> , 2013, 720, 55-73.	1.0	25
24	Evaluating in situ biodegradation of ¹³ C-labelled naphthenic acids in groundwater near oil sands tailings ponds. <i>Science of the Total Environment</i> , 2018, 643, 392-399.	3.9	24
25	Distinguishing Natural from Anthropogenic Sources of Acid Extractable Organics in Groundwater near Oil Sands Tailings Ponds. <i>Environmental Science & Technology</i> , 2020, 54, 2790-2799.	4.6	23
26	Assessing Microbial Uptake of Petroleum Hydrocarbons in Groundwater Systems Using Natural Abundance Radiocarbon. <i>Environmental Science & Technology</i> , 2010, 44, 5092-5097.	4.6	19
27	Lake-sediment record of PAH, mercury, and fly-ash particle deposition near coal-fired power plants in Central Alberta, Canada. <i>Environmental Pollution</i> , 2017, 231, 644-653.	3.7	18
28	Evaporative emissions from tailings ponds are not likely an important source of airborne PAHs in the Athabasca oil sands region. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2439.	3.3	17
29	Evidence for anthropogenic ¹⁴ C-enrichment in estuarine waters adjacent to the North Sea. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	16
30	Isotopic Analyses Fingerprint Sources of Polycyclic Aromatic Compound-Bearing Dust in Athabasca Oil Sands Region Snowpack. <i>Environmental Science & Technology</i> , 2021, 55, 5887-5897.	4.6	16
31	Carbon isotope effects associated with Fenton-like degradation of toluene: Potential for differentiation of abiotic and biotic degradation. <i>Science of the Total Environment</i> , 2008, 401, 194-198.	3.9	15
32	Characterization of the boron, lithium, and strontium isotopic variations of oil sands process-affected water in Alberta, Canada. <i>Applied Geochemistry</i> , 2018, 90, 50-62.	1.4	13
33	Direct Evaluation of in Situ Biodegradation in Athabasca Oil Sands Tailings Ponds Using Natural Abundance Radiocarbon. <i>Environmental Science & Technology</i> , 2013, 47, 130909151814006.	4.6	11
34	Assessing potential impacts of shale gas development on shallow aquifers through upward fluid migration: A multi-disciplinary approach applied to the Utica Shale in eastern Canada. <i>Marine and Petroleum Geology</i> , 2019, 100, 466-483.	1.5	10
35	Quantification of Spatial and Temporal Trends in Atmospheric Mercury Deposition across Canada over the Past 30 Years. <i>Environmental Science & Technology</i> , 2021, 55, 15766-15775.	4.6	10
36	Understanding shallow and deep flow for assessing the risk of hydrocarbon development to groundwater quality. <i>Marine and Petroleum Geology</i> , 2016, 78, 728-737.	1.5	9

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37	Modern sediment records of hydroclimatic extremes and associated potential contaminant mobilization in semi-arid environments: lessons learnt from recent flood-drought cycles in southern Botswana. <i>Journal of Soils and Sediments</i> , 2020, 20, 1632-1650.	1.5	9
38	Using tree cores to evaluate historic atmospheric concentrations and trends of polycyclic aromatic compounds in the Oil Sands region of Alberta, Canada. <i>Science of the Total Environment</i> , 2020, 739, 139996.	3.9	9
39	A multi-isotope approach to determine the origin of methane and higher alkanes in groundwater of the St. Lawrence Platform, Saint-Amandouard area, eastern Canada. <i>Environmental Geosciences</i> , 2018, 25, 75-100.	0.6	8
40	Naphthenic acids in groundwater overlying undeveloped shale gas and tight oil reservoirs. <i>Chemosphere</i> , 2018, 191, 664-672.	4.2	6
41	Molecular and isotopic evaluation of the maturation history of the organic matter in an Ordovician aquiclude (Michigan Basin): Evidence for late diagenetic biodegradation. <i>Organic Geochemistry</i> , 2018, 125, 129-141.	0.9	5
42	Advances in science and applications in air pollution monitoring: A case study on oil sands monitoring targeting ecosystem protection. <i>Journal of the Air and Waste Management Association</i> , 2019, 69, 1133-1141.	0.9	2