Togwell A Jackson

List of Publications by Year
in descending order

31 papers	1,118 citations	516710 16 h-index	454955 30 g-index
32 all docs	32 docs citations	32 times ranked	797 citing authors

#	Article	IF	Citations
1	The Mercury Problem in Recently Formed Reservoirs of Northern Manitoba (Canada): Effects of Impoundment and Other Factors on the Production of Methyl Mercury by Microorganisms in Sediments. Canadian Journal of Fisheries and Aquatic Sciences, 1988, 45, 97-121.	1.4	116
2	Biological and Environmental Control of Mercury Accumulation by Fish in Lakes and Reservoirs of Northern Manitoba, Canada. Canadian Journal of Fisheries and Aquatic Sciences, 1991, 48, 2449-2470.	1.4	116
3	Evidence for mass-independent and mass-dependent fractionation of the stable isotopes of mercury by natural processes in aquatic ecosystems. Applied Geochemistry, 2008, 23, 547-571.	3.0	106
4	HUMIC MATTER IN NATURAL WATERS AND SEDIMENTS. Soil Science, 1975, 119, 56-64.	0.9	95
5	Historical Variations in the Stable Isotope Composition of Mercury in Arctic Lake Sediments. Environmental Science & Technology, 2004, 38, 2813-2821.	10.0	75
6	The biogeochemistry of heavy metals in polluted lakes and streams at Flin Flon, Canada, and a proposed method for limiting heavy-metal pollution of natural waters. Environmental Geology, 1978, 2, 173-189.	1.2	73
7	The influence of clay minerals, oxides, and humic matter on the methylation and demethylation of mercury by micro-organisms in freshwater sediments. Applied Organometallic Chemistry, 1989, 3, 1-30.	3.5	64
8	Climate Change and Mercury Accumulation in Canadian High and Subarctic Lakes. Environmental Science & Technology, 2011, 45, 964-970.	10.0	57
9	Methyl Mercury Levels in a Polluted Prairie Riverâ€“Lake System: Seasonal and Site-Specific Variations, and the Dominant Influence of Trophic Conditions. Canadian Journal of Fisheries and Aquatic Sciences, 1986, 43, 1873-1887.	1.4	52
10	Mercury in aquatic ecosystems. , 1998, , 77-158.		44
11	Selective scavenging of copper, zinc, lead, and arsenic by iron and manganese oxyhydroxide coatings on plankton in lakes polluted with mine and smelter wastes: results of energy dispersive X-ray micro-analysis. Journal of Geochemical Exploration, 1995, 52, 97-125.	3.2	40
12	Effects of Bioavailable Heavy Metal Species, Arsenic, and Acid Drainage from Mine Tailings on a Microbial Community Sampled Along a Pollution Gradient in a Freshwater Ecosystem. Geomicrobiology Journal, 2015, 32, 724-750.	2.0	39
13	Variations in the isotope composition of mercury in a freshwater sediment sequence and food web. Canadian Journal of Fisheries and Aquatic Sciences, 2001, 58, 185-196.	1.4	37
14	Accumulation and Partitioning of Heavy Metals by Bacterial Cells and Associated Colloidal Minerals, with Alteration, Neoformation, and Selective Adsorption of Minerals by Bacteria, in Metal-Polluted Lake Sediment. Geomicrobiology Journal, 2011, 28, 23-55.	2.0	25
15	Mass-dependent and mass-independent variations in the isotope composition of mercury in a sediment core from a lake polluted by emissions from the combustion of coal. Science of the Total Environment, 2012, 417-418, 189-203.	8.0	25
16	Mass-dependent and mass-independent variations in the isotope composition of mercury in cores from lakes polluted by a smelter: Effects of smelter emissions, natural processes, and their interactions. Chemical Geology, 2013, 352, 27-46.	3.3	25
17	Mass-dependent and mass-independent variations in the isotope composition of mercury in a sediment core from Lake Ontario as related to pollution history and biogeochemical processes. Chemical Geology, 2013, 355, 88-102.	3.3	19
18	â€˜Humicâ€™ Matter in the Bitumen of Ancient Sediments: Variations through Geologic Time. Geology, 1973, 1, 163.	4.4	17

#	Article	IF	Citations
19	Historical variations in the stable isotope composition of mercury in a sediment core from a riverine lake: Effects of dams, pulp and paper mill wastes, and mercury from a chlor-alkali plant. Applied Geochemistry, 2016, 71, 86-98.	3.0	15
20	A Relationship between Crystallographic Properties of Illite and Chemical Properties of Extractable Organic Matter in Pre-Phanerozoic and Phanerozoic Sediments. Clays and Clay Minerals, 1977, 25, 187-195.	1.3	12
21	Secular variations in kerogen structure and carbon, nitrogen and phosphorus concentrations in pre-Phanerozoic and Phanerozoic sedimentary rocks. Chemical Geology, 1976, 18, 107-136.	3.3	11
22	Evidence for Mass-Independent Fractionation of Mercury Isotopes by Microbial Activities Linked to Geographically and Temporally Varying Climatic Conditions in Arctic and Subarctic Lakes. Geomicrobiology Journal, 2015, 32, 799-826.	2.0	11
23	Stable carbon isotope ratios and chemical properties of kerogen and extractable organic matter in pre-Phanerozoic and Phanerozoic sediments â€" Their interrelations and possible paleobiological significance. Chemical Geology, 1978, 21, 335-350.	3.3	10
24	Effects of Environmental Factors and Primary Production on the Distribution and Methylation of Mercury in a Chain of Highly Eutrophic Riverine Lakes. Water Quality Research Journal of Canada, 1993, 28, 177-216.	2.7	10
25	Variations in the abundance of photosynthetic oxygen through Precambrian and Paleozoic time in relation to biotic evolution and mass extinctions: evidence from Mn/Fe ratios. Precambrian Research, 2015, 264, 30-35.	2.7	7
26	Isotopic and chemical characteristics of mercury in organs and tissues of fish in a mercuryâ€polluted lake: Evidence for fractionation of mercury isotopes by physiological processes. Environmental Toxicology and Chemistry, 2018, 37, 515-529.	4.3	6
27	Ultraviolet Radiation-Absorbing â€œHumic Pigmentsâ€•of Cyanobacteria in Microbial Mats: Their Presumptive Photoprotective Function and Relevance to Early Precambrian Microbial Ecology and Evolution. Geomicrobiology Journal, 2015, 32, 420-432.	2.0	3
28	Addendum to â€œMass-dependent and mass-independent variations in the isotope composition of mercury in cores from lakes polluted by a smelter: Effects of smelter emissions, natural processes, and their interactions,â€•by Togwell A. Jackson, Kevin H. Telmer, and Derek C.G. Muir. Chemical Geology, 2015, 402, 153-154.	3.3	3
29	Stratigraphic variations in the Î´201Hg/Î´199Hg ratio of mercury in sediment cores as historical records of methylmercury production in lakes. Journal of Paleolimnology, 2019, 61, 387-401.	1.6	3
30	Effects of Copper, Nickel, and Sulfate from the Smelters at Sudbury, Ontario (Canada) on Microbial Communities in Lakes. Geomicrobiology Journal, 2016, , 1-21.	2.0	1
31	Variations in the Properties of Extractable â€œHumic Matterâ€•and Associated Kerogen in Sediments through Geologic Time: Their Significance for Precambrian Biological Evolution and Paleoecology. Geomicrobiology Journal, 2018, 35, 334-353.	2.0	1