

Asit Mazumder

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

3,820
citations

147801

31
h-index

123424

61
g-index

65
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65
docs citations

65
times ranked

4851
citing authors

#	ARTICLE	IF	CITATIONS
1	REVERSAL OF GRAZING IMPACT ON PLANT SPECIES RICHNESS IN NUTRIENT-POOR VS. NUTRIENT-RICH ECOSYSTEMS. <i>Ecology</i> , 1998, 79, 2581-2592.	3.2	475
2	Essential fatty acids in the planktonic food web and their ecological role for higher trophic levels. <i>Limnology and Oceanography</i> , 2004, 49, 1784-1793.	3.1	272
3	Source tracking fecal bacteria in water: a critical review of current methods. <i>Journal of Environmental Management</i> , 2004, 73, 71-79.	7.8	205
4	Adaptation and evaluation of the Canadian Council of Ministers of the Environment Water Quality Index (CCME-WQI) for use as an effective tool to characterize drinking source water quality. <i>Water Research</i> , 2012, 46, 3544-3552.	11.3	164
5	Determination of acidic drugs and caffeine in municipal wastewaters and receiving waters by gas chromatography-ion trap tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1116, 193-203.	3.7	155
6	A critical evaluation of intrapopulation variation of $\delta^{13}\text{C}$ and isotopic evidence of individual specialization. <i>Oecologia</i> , 2004, 140, 361-371.	2.0	143
7	Thermal structure of lakes varying in size and water clarity. <i>Limnology and Oceanography</i> , 1994, 39, 968-976.	3.1	121
8	Phosphorus-Chlorophyll Relationships under Contrasting Herbivory and Thermal Stratification: Predictions and Patterns. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1994, 51, 390-400.	1.4	120
9	Patterns of Algal Biomass in Dominant Odd- vs. Even-Link Lake Ecosystems. <i>Ecology</i> , 1994, 75, 1141-1149.	3.2	119
10	Characterizing dietary variability and trophic positions of coastal calanoid copepods: insight from stable isotopes and fatty acids. <i>Marine Biology</i> , 2009, 156, 225-237.	1.5	119
11	Specialization of trophic position and habitat use by sticklebacks in an adaptive radiation. <i>Ecology</i> , 2010, 91, 1025-1034.	3.2	115
12	Yield of trihalomethanes and haloacetic acids upon chlorinating algal cells, and its prediction via algal cellular biochemical composition. <i>Water Research</i> , 2008, 42, 4941-4948.	11.3	106
13	Impacts of rapid urbanization on the water quality and macroinvertebrate communities of streams: A case study in Liangjiang New Area, China. <i>Science of the Total Environment</i> , 2018, 621, 1601-1614.	8.0	101
14	Comparison of five rep-PCR genomic fingerprinting methods for differentiation of fecal <i>Escherichia coli</i> from humans, poultry and wild birds. <i>FEMS Microbiology Letters</i> , 2007, 277, 98-106.	1.8	95
15	Compositional and interlake variability of zooplankton affect baseline stable isotope signatures. <i>Limnology and Oceanography</i> , 2003, 48, 1977-1987.	3.1	82
16	Temporal variation in body composition (C : N) helps explain seasonal patterns of zooplankton $\delta^{13}\text{C}$. <i>Freshwater Biology</i> , 2005, 50, 502-515.	2.4	81
17	Nutrient-chlorophyll-Secchi relationships under contrasting grazer communities of temperate versus subtropical lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1998, 55, 1652-1662.	1.4	75
18	Effect of Algal and Bacterial Diet on Methyl Mercury Concentrations in Zooplankton. <i>Environmental Science & Technology</i> , 2005, 39, 1666-1672.	10.0	74

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19	MICROCOSM EXPERIMENTS HAVE LIMITED RELEVANCE FOR COMMUNITY AND ECOSYSTEM ECOLOGY: COMMENT. <i>Ecology</i> , 1999, 80, 1081-1085.	3.2	69
20	Effects of Water Level Fluctuation and Short-Term Climate Variation on Thermal and Stratification Regimes of a British Columbia Reservoir and Lake. <i>Lake and Reservoir Management</i> , 2004, 20, 91-109.	1.3	58
21	Infectivity of SARS-CoV-2 and Other Coronaviruses on Dry Surfaces: Potential for Indirect Transmission. <i>Materials</i> , 2020, 13, 5211.	2.9	57
22	Bioaccumulation patterns of methyl mercury and essential fatty acids in lacustrine planktonic food webs and fish. <i>Science of the Total Environment</i> , 2006, 368, 271-282.	8.0	54
23	Lipid extraction has little effect on the $\delta^{15}\text{N}$ of aquatic consumers. <i>Limnology and Oceanography: Methods</i> , 2007, 5, 338-342.	2.0	54
24	Phosphorus-Chlorophyll Relationships under Contrasting Zooplankton Community Structure: Potential Mechanisms. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1994, 51, 401-407.	1.4	53
25	Temperature effects on body size of freshwater crustacean zooplankton from Greenland to the tropics. <i>Hydrobiologia</i> , 2015, 743, 27-35.	2.0	53
26	Prevalence of Diarrhea-Associated Virulence Genes and Genetic Diversity in <i>Escherichia coli</i> Isolates from Fecal Material of Various Animal Hosts. <i>Applied and Environmental Microbiology</i> , 2013, 79, 7371-7380.	3.1	50
27	HABITAT SPECIALIZATION AND THE EXPLOITATION OF ALLOCHTHONOUS CARBON BY ZOOPLANKTON. <i>Ecology</i> , 2006, 87, 2800-2812.	3.2	49
28	Carbon pathways to zooplankton: insights from the combined use of stable isotope and fatty acid biomarkers. <i>Freshwater Biology</i> , 2006, 51, 2041-2051.	2.4	49
29	A comparison of lakes and lake enclosures with contrasting abundances of planktivorous fish. <i>Journal of Plankton Research</i> , 1990, 12, 109-124.	1.8	45
30	Consequences of large temporal variability of zooplankton $\delta^{15}\text{N}$ for modeling fish trophic position and variation. <i>Limnology and Oceanography</i> , 2005, 50, 1404-1414.	3.1	42
31	Spatial scale of land-use impacts on riverine drinking source water quality. <i>Water Resources Research</i> , 2013, 49, 1591-1601.	4.2	35
32	Hitting the moving target: modelling ontogenetic shifts with stable isotopes reveals the importance of isotopic turnover. <i>Journal of Animal Ecology</i> , 2016, 85, 681-691.	2.8	34
33	Deciphering the Seasonal Cycle of Copepod Trophic Dynamics in the Strait of Georgia, Canada, Using Stable Isotopes and Fatty Acids. <i>Estuaries and Coasts</i> , 2010, 33, 738-752.	2.2	30
34	Consumer-dependent responses of lake ecosystems to nutrient loading. <i>Journal of Plankton Research</i> , 1994, 16, 1567-1580.	1.8	28
35	Essential versus potentially toxic dietary substances: A seasonal comparison of essential fatty acids and methyl mercury concentrations in the planktonic food web. <i>Environmental Pollution</i> , 2008, 155, 262-270.	7.5	28
36	Dominance of Small Filter Feeding Zooplankton in the Lake Ontario Foodweb. <i>Journal of Great Lakes Research</i> , 1992, 18, 456-466.	1.9	26

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37	Impact of fertilization and stocking on trophic interactions and growth of juvenile sockeye salmon (<i>Oncorhynchus nerka</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2002, 59, 1361-1373.	1.4	26
38	Distinguishing trophic variation from seasonal and size-based isotopic ($\delta^{15}\text{N}$) variation of zooplankton. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2007, 64, 74-83.	1.4	24
39	Development of a methodology utilizing gas chromatography ion-trap tandem mass spectrometry for the determination of low levels of caffeine in surface marine and freshwater samples. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2635-2646.	3.7	24
40	Detecting trophic level variation in consumer assemblages. <i>Freshwater Biology</i> , 2008, 53, 1942-1953.	2.4	24
41	Occurrence of Diarrheagenic Virulence Genes and Genetic Diversity in <i>Escherichia coli</i> Isolates from Fecal Material of Various Avian Hosts in British Columbia, Canada. <i>Applied and Environmental Microbiology</i> , 2014, 80, 1933-1940.	3.1	24
42	Pathogenic Potential, Genetic Diversity, and Population Structure of <i>Escherichia coli</i> Strains Isolated from a Forest-Dominated Watershed (Comox Lake) in British Columbia, Canada. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1788-1798.	3.1	23
43	Temporal changes in nitrogen and phosphorus deficiency of plankton in lakes of coastal and interior British Columbia. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2004, 61, 1538-1551.	1.4	22
44	Potential risk of mercury to human health in three species of fish from the southern Caspian Sea. <i>Marine Pollution Bulletin</i> , 2018, 130, 1-5.	5.0	22
45	Natural pedagogical conversations in high school students' internship. <i>Journal of Research in Science Teaching</i> , 2009, 46, 481-505.	3.3	20
46	Planktonic phosphorus pool sizes and cycling efficiency in coastal and interior British Columbia lakes. <i>Freshwater Biology</i> , 2007, 52, 860-877.	2.4	18
47	Seasonal and diurnal dynamics of physicochemical parameters and gas production in vertical water column of a eutrophic pond. <i>Ecological Engineering</i> , 2016, 87, 313-323.	3.6	18
48	Temporal discontinuity of nutrient limitation in plankton communities. <i>Aquatic Sciences</i> , 2010, 72, 393-402.	1.5	15
49	The influence of land use composition on fecal contamination of riverine source water in southern British Columbia. <i>Water Resources Research</i> , 2012, 48, .	4.2	15
50	Organochlorine pesticides in two fish species from the southern Caspian Sea. <i>Marine Pollution Bulletin</i> , 2018, 133, 289-293.	5.0	14
51	Effects of nutrient loading and planktivory on the accumulation of organochlorine pesticides in aquatic food chains. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 1312-1319.	4.3	12
52	Overwinter shifts in the feeding ecology of juvenile Chinook salmon. <i>ICES Journal of Marine Science</i> , 2017, 74, 226-233.	2.5	12
53	Relative importance of endogenous and exogenous mechanisms in maintaining phytoplankton species diversity. <i>Ecoscience</i> , 2009, 16, 429-440.	1.4	10
54	Terrestrial carbon contribution to lake food webs: could the classical stable isotope approach be misleading?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 2719-2727.	1.4	9

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55	Anthropogenic disturbance history influences the temporal coherence of paleoproductivity in two lakes. <i>Journal of Paleolimnology</i> , 2009, 42, 167-181.	1.6	9
56	Model Assessment of Cattle and Climate Impacts on Stream Fecal Coliform Pollution in the Salmon River Watershed, British Columbia, Canada. <i>Water, Air, and Soil Pollution</i> , 2011, 215, 155-176.	2.4	8
57	Pharmaceutical concentrations in screened municipal wastewaters in Victoria, British Columbia: A comparison with prescription rates and predicted concentrations. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 919-929.	4.3	8
58	Relationship between phytoplankton paleoproduction and diversity in contrasting trophic states. <i>Aquatic Ecosystem Health and Management</i> , 2008, 11, 78-90.	0.6	6
59	Photosynthetic carbon allocation: Effects of planktivorous fish and nutrient enrichment. , 2002, 64, 217-238.		5
60	Ion Export from a Small British Columbia Watershed After Forest Harvesting. <i>Water Quality Research Journal of Canada</i> , 2007, 42, 162-171.	2.7	3
61	Testing household preferences for the importance of the frequency and severity of water quality impairment. <i>Canadian Water Resources Journal</i> , 2021, 46, 153-167.	1.2	2