

Richard Carignan

List of Publications by Year in descending order

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40
papers

2,660
citations

126907

33
h-index

302126

39
g-index

40
all docs

40
docs citations

40
times ranked

2433
citing authors

#	ARTICLE	IF	CITATIONS
1	Can pelagic net heterotrophy account for carbon fluxes from eastern Canadian lakes?. Applied Geochemistry, 2009, 24, 988-998.	3.0	30
2	Beaver Ponds Increase Methylmercury Concentrations in Canadian Shield Streams along Vegetation and Pond-Age Gradients. Environmental Science & Technology, 2009, 43, 5605-5611.	10.0	52
3	Influence of diel cycles of respiration, chlorophyll, and photosynthetic parameters on the summer metabolic balance of temperate lakes and rivers. Canadian Journal of Fisheries and Aquatic Sciences, 2009, 66, 1048-1058.	1.4	17
4	Seasonal methylmercury dynamics in water draining three beaver impoundments of varying age. Journal of Geophysical Research, 2009, 114, .	3.3	10
5	Periphyton as an early indicator of perturbation in recreational lakes. Canadian Journal of Fisheries and Aquatic Sciences, 2008, 65, 258-265.	1.4	44
6	Cumulative impacts of hydrology and human activities on water quality in the St. Lawrence River (Lake) Tj ETQq0 0,0 rgBT /Overlock 10	1.4	71
7	Seasonal and Inter-Annual Variations in Methyl Mercury Concentrations in Zooplankton from Boreal Lakes Impacted by Deforestation or Natural Forest Fires. Environmental Monitoring and Assessment, 2007, 131, 1-11.	2.7	39
8	Spatial Analysis of Production by Macrophytes, Phytoplankton and Epiphyton in a Large River System under Different Water-Level Conditions. Ecosystems, 2007, 10, 293-310.	3.4	63
9	Historical Perspective of Industrial Lead Emissions to the Atmosphere from a Canadian Smelter. Environmental Science & Technology, 2006, 40, 741-747.	10.0	50
10	Influence of the vertical structure of macrophyte stands on epiphyte community metabolism. Canadian Journal of Fisheries and Aquatic Sciences, 2006, 63, 1014-1026.	1.4	36
11	MERCURY CONCENTRATIONS IN FISH FROM FOREST HARVESTING AND FIRE-IMPACTED CANADIAN BOREAL LAKES COMPARED USING STABLE ISOTOPES OF NITROGEN. Environmental Toxicology and Chemistry, 2005, 24, 685.	4.3	52
12	Decoupling of pelagic and littoral food webs in oligotrophic Canadian Shield lakes. Oikos, 2005, 111, 534-546.	2.7	33
13	Thallium diagenesis in lacustrine sediments. Geochimica Et Cosmochimica Acta, 2005, 69, 5295-5306.	3.9	71
14	The Transit of $^{35}\text{SO}_4^{2-}$ and $^3\text{H}_2\text{O}$ Added In Situ to Soil in a Boreal Coniferous Forest. Water, Air and Soil Pollution, 2004, 4, 501-516.	0.8	7
15	The Transit of $^{35}\text{SO}_4^{2-}$ and $^3\text{H}_2\text{O}$ Added in Situ to Soil in a Boreal Coniferous Forest. , 2004, , 501-516.		0
16	Soil organic sulfur dynamics in a coniferous forest. Biogeochemistry, 2001, 53, 105-124.	3.5	36
17	Planktonic production and respiration in oligotrophic Shield lakes. Limnology and Oceanography, 2000, 45, 189-199.	3.1	168
18	Development of integrated ecological standards of sustainable forest management at an operational scale. Forestry Chronicle, 2000, 76, 481-493.	0.6	66

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19	Element export in runoff from eastern Canadian Boreal Shield drainage basins following forest harvesting and wildfires. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 118-128.	1.4	102
20	Pelagic and benthic algal responses in eastern Canadian Boreal Shield lakes following harvesting and wildfires. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 136-145.	1.4	75
21	Mercury concentrations in northern pike (<i>Esox lucius</i>) from boreal lakes with logged, burned, or undisturbed catchments. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 129-135.	1.4	87
22	Impacts of major watershed perturbations on aquatic ecosystems. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 1-4.	1.4	53
23	Sediment dynamics in the fluvial lakes of the St. Lawrence River: accumulation rates and characterization of the mixed sediment layer. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 63-77.	1.4	25
24	Comparative impacts of fire and forest harvesting on water quality in Boreal Shield lakes. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 105-117.	1.4	194
25	Impact of wildfire and clear-cutting in the boreal forest on methyl mercury in zooplankton. Canadian Journal of Fisheries and Aquatic Sciences, 1999, 56, 339-345.	1.4	85
26	DIATOM PALEOLIMNOLOGY OF TWO FLUVIAL LAKES IN THE ST. LAWRENCE RIVER: A RECONSTRUCTION OF ENVIRONMENTAL CHANGES DURING THE LAST CENTURY. Journal of Phycology, 1998, 34, 446-456.	2.3	39
27	Geochemistry of trace metals associated with reduced sulfur in freshwater sediments. Applied Geochemistry, 1998, 13, 213-233.	3.0	265
28	Measurement of primary production and community respiration in oligotrophic lakes using the Winkler method. Canadian Journal of Fisheries and Aquatic Sciences, 1998, 55, 1078-1084.	1.4	90
29	Automated determination of carbon dioxide, oxygen, and nitrogen partial pressures in surface waters. Limnology and Oceanography, 1998, 43, 969-975.	3.1	34
30	Influence of catchment topography on water chemistry in southeastern QuÃ©bec Shield lakes. Canadian Journal of Fisheries and Aquatic Sciences, 1997, 54, 2215-2227.	1.4	159
31	Macroinvertebrates on Eichhornia crassipes roots in two lakes of the ParanÃ¡ River floodplain. Hydrobiologia, 1997, 345, 185-196.	2.0	62
32	Role of SO ₄ adsorption and desorption in the long-term S budget of a coniferous catchment on the Canadian Shield. Biogeochemistry, 1995, 28, 161-182.	3.5	38
33	Dissolved organic carbon and sulfur in southwestern Quebec lakes: Relationships with catchment and lake properties. Limnology and Oceanography, 1995, 40, 710-717.	3.1	42
34	A field study of metal toxicity and accumulation by benthic invertebrates; implications for the acid-volatile sulfide (AVS) model. Limnology and Oceanography, 1994, 39, 1653-1668.	3.1	128
35	A 50-yr Record of Pollution by Nutrients, Trace Metals, and Organic Chemicals in the St Lawrence River. Canadian Journal of Fisheries and Aquatic Sciences, 1994, 51, 1088-1100.	1.4	65
36	Quantitative importance of particulate matter retention by the roots of Eichhornia crassipes in the ParanÃ¡ floodplain. Aquatic Botany, 1994, 47, 213-223.	1.6	38

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37	Use of diffusion samplers in oligotrophic lake sediments: Effects of free oxygen in sampler material. <i>Limnology and Oceanography</i> , 1994, 39, 468-474.	3.1	67
38	Measurement of trace metals associated with acid volatile sulfides and pyrite in organic freshwater sediments. <i>Environmental Science & Technology</i> , 1993, 27, 2367-2372.	10.0	56
39	Nutrient dynamics in the floodplain ponds of the Parani ¹ / ₂ River (Argentina) dominated by the water hyacinth <i>Eichhornia crassipes</i> .. <i>Biogeochemistry</i> , 1992, 17, 85.	3.5	77
40	Sulfur speciation and distribution in soils and aboveground biomass of a boreal coniferous forest. <i>Biogeochemistry</i> , 1992, 16, 63-82.	3.5	34