

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	Geochemistry of trace metals associated with reduced sulfur in freshwater sediments. Applied Geochemistry, 1998, 13, 213-233.	3.0	265
2	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
3	Planktonic production and respiration in oligotrophic Shield lakes. Limnology and Oceanography, 2000, 45, 189-199.	3.1	168
4	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
5	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
6	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
7	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
8	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
9	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
10	Nutrient dynamics in the floodplain ponds of the Parani River (Argentina) dominated by the water hyacinth <i>Eichhornia crassipes</i> . Biogeochemistry, 1992, 17, 85.	3.5	77
11	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
12	Thallium diagenesis in lacustrine sediments. Geochimica Et Cosmochimica Acta, 2005, 69, 5295-5306.	3.9	71
13	Cumulative impacts of hydrology and human activities on water quality in the St. Lawrence River (Lake Tj ETQq1 1,0,784314,rgBT/O	1.4	71
14	Use of diffusion samplers in oligotrophic lake sediments: Effects of free oxygen in sampler material. Limnology and Oceanography, 1994, 39, 468-474.	3.1	67
15	Development of integrated ecological standards of sustainable forest management at an operational scale. Forestry Chronicle, 2000, 76, 481-493.	0.6	66
16	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
17	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
18	Macroinvertebrates on <i>Eichhornia crassipes</i> roots in two lakes of the Parani River floodplain. Hydrobiologia, 1997, 345, 185-196.	2.0	62

#	ARTICLE	IF	CITATIONS
19	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
20	Impacts of major watershed perturbations on aquatic ecosystems. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2000, 57, 1-4.	1.4	53
21	MERCURY CONCENTRATIONS IN FISH FROM FOREST HARVESTING AND FIRE-IMPACTED CANADIAN BOREAL LAKES COMPARED USING STABLE ISOTOPES OF NITROGEN. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 685.	4.3	52
22	Beaver Ponds Increase Methylmercury Concentrations in Canadian Shield Streams along Vegetation and Pond-Age Gradients. <i>Environmental Science & Technology</i> , 2009, 43, 5605-5611.	10.0	52
23	Historical Perspective of Industrial Lead Emissions to the Atmosphere from a Canadian Smelter. <i>Environmental Science & Technology</i> , 2006, 40, 741-747.	10.0	50
24	Periphyton as an early indicator of perturbation in recreational lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 258-265.	1.4	44
25	Dissolved organic carbon and sulfur in southwestern Quebec lakes: Relationships with catchment and lake properties. <i>Limnology and Oceanography</i> , 1995, 40, 710-717.	3.1	42
26	DIATOM PALEOLIMNOLOGY OF TWO FLUVIAL LAKES IN THE ST. LAWRENCE RIVER: A RECONSTRUCTION OF ENVIRONMENTAL CHANGES DURING THE LAST CENTURY. <i>Journal of Phycology</i> , 1998, 34, 446-456.	2.3	39
27	Seasonal and Inter-Annual Variations in Methyl Mercury Concentrations in Zooplankton from Boreal Lakes Impacted by Deforestation or Natural Forest Fires. <i>Environmental Monitoring and Assessment</i> , 2007, 131, 1-11.	2.7	39
28	Quantitative importance of particulate matter retention by the roots of <i>Eichhornia crassipes</i> in the Paran floodplain. <i>Aquatic Botany</i> , 1994, 47, 213-223.	1.6	38
29	Role of SO ₄ adsorption and desorption in the long-term S budget of a coniferous catchment on the Canadian Shield. <i>Biogeochemistry</i> , 1995, 28, 161-182.	3.5	38
30	Soil organic sulfur dynamics in a coniferous forest. <i>Biogeochemistry</i> , 2001, 53, 105-124.	3.5	36
31	Influence of the vertical structure of macrophyte stands on epiphyte community metabolism. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 1014-1026.	1.4	36
32	Sulfur speciation and distribution in soils and aboveground biomass of a boreal coniferous forest. <i>Biogeochemistry</i> , 1992, 16, 63-82.	3.5	34
33	Automated determination of carbon dioxide, oxygen, and nitrogen partial pressures in surface waters. <i>Limnology and Oceanography</i> , 1998, 43, 969-975.	3.1	34
34	Decoupling of pelagic and littoral food webs in oligotrophic Canadian Shield lakes. <i>Oikos</i> , 2005, 111, 534-546.	2.7	33
35	Can pelagic net heterotrophy account for carbon fluxes from eastern Canadian lakes?. <i>Applied Geochemistry</i> , 2009, 24, 988-998.	3.0	30
36	Sediment dynamics in the fluvial lakes of the St. Lawrence River: accumulation rates and characterization of the mixed sediment layer. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2000, 57, 63-77.	1.4	25

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37	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
38	Seasonal methylmercury dynamics in water draining three beaver impoundments of varying age. Journal of Geophysical Research, 2009, 114, .	3.3	10
39	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
40	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