

Olivier Radakovitch

List of Publications by Year in descending order

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82
papers

3,468
citations

117625

34
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144013

57
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83
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docs citations

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times ranked

3944
citing authors

#	ARTICLE	IF	CITATIONS
19	Combining radon, short-lived radium isotopes and hydrodynamic modeling to assess submarine groundwater discharge from an anthropized semiarid watershed to a Mediterranean lagoon (Mar) Tj ETQq1 1 0.784314 rgBTd/Overlock	2.3	59
20	Environmental changes in a tropical lake (Lake Abiyata, Ethiopia) during recent centuries. Palaeogeography, Palaeoclimatology, Palaeoecology, 2002, 187, 233-258.	2.3	59
21	An assessment of karstic submarine groundwater and associated nutrient discharge to a Mediterranean coastal area (Balearic Islands, Spain) using radium isotopes. Biogeochemistry, 2010, 97, 211-229.	3.5	56
22	Historical levels of heavy metals and artificial radionuclides reconstructed from overbank sediment records in lower Rhône River (South-East France). Geochimica Et Cosmochimica Acta, 2012, 82, 163-182.	3.9	52
23	Sedimentary processes in the Thau Lagoon (France): From seasonal to century time scales. Estuarine, Coastal and Shelf Science, 2007, 72, 534-542.	2.1	51
24	Fate of metals in coastal sediments of a Mediterranean flood-dominated system: An approach based on total and labile fractions. Estuarine, Coastal and Shelf Science, 2011, 92, 486-495.	2.1	51
25	Consequences of hydrological events on the delivery of suspended sediment and associated radionuclides from the Rhône River to the Mediterranean Sea. Journal of Soils and Sediments, 2012, 12, 1479-1495.	3.0	51
26	Rare earth element distributions and fractionation in plankton from the northwestern Mediterranean Sea. Chemosphere, 2015, 119, 72-82.	8.2	51
27	Fluxes and budget of on the continental margin of the Bay of Biscay (northeastern Atlantic). Deep-Sea Research Part II: Topical Studies in Oceanography, 1999, 46, 2175-2203.	1.4	46
28	Sedimentary record of redox-sensitive elements (U, Mn, Mo) in a transitory anoxic basin (the Thau) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	2.3	44
29	TIMS measurements of ²²⁶ Ra and ²²⁸ Ra in the Gulf of Lion, an attempt to quantify submarine groundwater discharge. Marine Chemistry, 2008, 109, 337-354.	2.3	43
30	Trees in the subalpine belt since 11 700 cal. BP: origin, expansion and alteration of the modern forest. Holocene, 2010, 20, 139-146.	1.7	42
31	Modelling of sediment transport pattern in the mouth of the Rhone delta: Role of storm and flood events. Estuarine, Coastal and Shelf Science, 2017, 198, 568-582.	2.1	42
32	Intercalibration studies of ²¹⁰ Po and ²¹⁰ Pb in dissolved and particulate seawater samples. Limnology and Oceanography: Methods, 2012, 10, 776-789.	2.0	41
33	Origin and accumulation of trace elements in sediments of the northwestern Mediterranean margin. Chemical Geology, 2014, 380, 61-73.	3.3	41
34	LIVING (STAINED) DEEP-SEA FORAMINIFERA OFF HACHINOHE (NE JAPAN, WESTERN PACIFIC): ENVIRONMENTAL INTERPLAY IN OXYGEN-DEPLETED ECOSYSTEMS. Journal of Foraminiferal Research, 2014, 44, 281-299.	0.5	38
35	Kd distributions in freshwater systems as a function of material type, mass-volume ratio, dissolved organic carbon and pH. Applied Geochemistry, 2019, 105, 68-77.	3.0	34
36	Unexpected biotic resilience on the Japanese seafloor caused by the 2011 Tōhoku-Oki tsunami. Scientific Reports, 2014, 4, 7517.	3.3	33

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37	Solar and anthropogenic imprints on Lake Masoko (southern Tanzania) during the last 500 years. <i>Journal of Paleolimnology</i> , 2007, 37, 475-490.	1.6	31
38	Multitracer study of anthropogenic contamination records in the Camargue, Southern France. <i>Science of the Total Environment</i> , 2004, 320, 63-72.	8.0	30
39	and : tracers of particle transfer on the Rhône continental margin (NW Mediterranean). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1999, 46, 1539-1563.	1.4	29
40	Radionuclide deposition in the Rhône River Prodelta (NW Mediterranean sea) in response to the December 2003 extreme flood. <i>Marine Geology</i> , 2006, 234, 179-189.	2.1	29
41	Anthropogenic metal contamination and sapropel imprints in deep Mediterranean sediments. <i>Marine Pollution Bulletin</i> , 2011, 62, 1041-1052.	5.0	28
42	Shallow gas off the Rhône prodelta, Gulf of Lions. <i>Marine Geology</i> , 2006, 234, 215-231.	2.1	27
43	The effect of fire frequency on local cembra pine populations. <i>Ecology</i> , 2009, 90, 476-486.	3.2	27
44	Atmospheric lead fallout over the last century recorded in Gulf of Lions sediments (Mediterranean) <i>Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50</i>	3.0	24
45	Unusual variations of dissolved As, Sb and Ni in the Rhône River during flood events. <i>Journal of Geochemical Exploration</i> , 2006, 88, 394-398.	3.2	22
46	Submarine groundwater discharge in a subsiding coastal lowland: A ²²⁶ Ra and ²²² Rn investigation in the Southern Venice lagoon. <i>Applied Geochemistry</i> , 2011, 26, 907-920.	3.0	22
47	Estimation of air-water gas exchange coefficient in a shallow lagoon based on ²²² Rn mass balance. <i>Journal of Environmental Radioactivity</i> , 2015, 143, 58-69.	1.7	22
48	Lipoxygenase-induced autoxidative degradation of terrestrial particulate organic matter in estuaries: A widespread process enhanced at high and low latitude. <i>Organic Geochemistry</i> , 2018, 115, 78-92.	1.8	22
49	Quantifying erosion using ¹³⁷ Cs and ²¹⁰ Pb in cultivated soils in three Mediterranean watershed: Synthesis study from El Hachef, Raouz and Nakhla (North West Morocco). <i>Journal of African Earth Sciences</i> , 2013, 79, 50-57.	2.0	21
50	²¹⁰ Po and ²¹⁰ Pb trophic transfer within the phytoplankton-zooplankton-anchovy/sardine food web: a case study from the Gulf of Lion (NW Mediterranean Sea). <i>Journal of Environmental Radioactivity</i> , 2015, 143, 141-151.	1.7	21
51	Impact of oceanic floods on particulate metal inputs to coastal and deep-sea environments: A case study in the NW Mediterranean Sea. <i>Continental Shelf Research</i> , 2012, 45, 15-26.	1.8	20
52	Seasonal survey of the composition and degradation state of particulate organic matter in the Rhône River using lipid tracers. <i>Biogeosciences</i> , 2015, 12, 1431-1446.	3.3	18
53	Unusual ratios in the surface water of the Gulf of Lions. <i>Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie</i> , 1998, 21, 459-468.	0.7	17
54	Temporal variations of dissolved and particulate ²³⁴ Th at a coastal station of the northern Adriatic Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2003, 58, 813-824.	2.1	17

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55	Characterisation of suspended particulate matter in the Rhone River: insights into analogue selection. <i>Environmental Chemistry</i> , 2016, 13, 804.	1.5	17
56	Remobilization of trace metals during laboratory resuspension of contaminated sediments from a dam reservoir. <i>Journal of Soils and Sediments</i> , 2018, 18, 2596-2613.	3.0	17
57	Tritium and ¹⁴ C background levels in pristine aquatic systems and their potential sources of variability. <i>Journal of Environmental Radioactivity</i> , 2015, 139, 24-32.	1.7	16
58	Insights into natural organic matter and pesticide characterisation and distribution in the Rhone River. <i>Environmental Chemistry</i> , 2017, 14, 64.	1.5	16
59	Badlands as a hot spot of petrogenic contribution to riverine particulate organic carbon to the Gulf of Lion (NW Mediterranean Sea). <i>Earth Surface Processes and Landforms</i> , 2018, 43, 2495-2509.	2.5	15
60	Hydro-climatic drivers of land-based organic and inorganic particulate micropollutant fluxes: The regime of the largest river water inflow of the Mediterranean Sea. <i>Water Research</i> , 2020, 185, 116067.	11.3	15
61	Meso and small-scale variations of ²¹⁰ Pb fluxes on the Northwestern Mediterranean continental margins. <i>Continental Shelf Research</i> , 2003, 23, 693-715.	1.8	13
62	Irrigation return flows in a mediterranean aquifer inferred from combined chloride and stable isotopes mass balances. <i>Applied Geochemistry</i> , 2017, 86, 92-104.	3.0	13
63	Modeling the Influence of Eutrophication and Redox Conditions on Mercury Cycling at the Sediment-Water Interface in the Berre Lagoon. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	13
64	Short time scale variations of ²³⁴ Th/ ²³⁸ U disequilibrium related to mesoscale variability on the continental slope of the Gulf of Lions (France). <i>Marine Chemistry</i> , 2007, 106, 403-418.	2.3	11
65	How to assess trace elements bioavailability for benthic organisms in lowly to moderately contaminated coastal sediments?. <i>Marine Pollution Bulletin</i> , 2019, 140, 86-100.	5.0	11
66	Nutrient Fluxes Associated With Submarine Groundwater Discharge From Karstic Coastal Aquifers (Côte Bleue, French Mediterranean Coastline). <i>Frontiers in Environmental Science</i> , 2020, 7, .	3.3	11
67	Modelling geochemical and kinetic processes involved in lead (Pb) remobilization during resuspension events of contaminated sediments. <i>Science of the Total Environment</i> , 2019, 679, 159-171.	8.0	9
68	²²² Rn as Natural Tracer for LNAPL Recovery in a Crude Oil-Contaminated Aquifer. <i>Ground Water Monitoring and Remediation</i> , 2015, 35, 30-38.	0.8	7
69	Genotoxicity of sediment extracts of the Berre lagoon (France). <i>Chemosphere</i> , 2012, 88, 937-944.	8.2	6
70	Benthic oxygen dynamics and implication for the maintenance of chronic hypoxia and ecosystem degradation in the Berre lagoon (France). <i>Estuarine, Coastal and Shelf Science</i> , 2021, 258, 107437.	2.1	6
71	Tsunami-triggered dispersal and deposition of microplastics in marine environments and their use in dating recent turbidite deposits. <i>Geological Society Special Publication</i> , 2021, 501, 381-390.	1.3	5
72	Des flux d'eau aux flux de matières en suspension et de contaminants associés: gestion d'un réseau de stations hydro-sédimentaires sur le Rhône. <i>Houille Blanche</i> , 2018, 104, 63-70.	0.3	5

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73	Occurrence, contamination level and ecological risk assessment of dissolved and particulate trace elements in rivers entering the southwestern Mediterranean Sea. <i>Marine Pollution Bulletin</i> , 2022, 180, 113723.	5.0	5
74	Metal Ions and Hydroperoxide Content: Main Drivers of Coastal Lipid Autoxidation in Riverine Suspended Particulate Matter and Higher Plant Debris. <i>Journal of Marine Science and Engineering</i> , 2016, 4, 50.	2.6	3
75	Autoxidation as a major player in the fate of terrestrial particulate organic matter in seawater. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 1203-1215.	3.0	3
76	Modelling of solid / liquid fractionation of trace metals for suspended sediments according to the hydro-sedimentary conditions of rivers - Application to 137Cs in the Rhône River (France). <i>Environmental Modelling and Software</i> , 2021, 145, 105211.	4.5	3
77	Pan-derived isotopic composition of atmospheric vapour in a Mediterranean wetland (Rhône River) $T_j ETQq1 1 0.784314 \text{ rgB}_2 / \text{Overlo}$	1.0	2
78	Accuracy and sensitivity of radium mass balances in assessing karstic submarine groundwater discharge in the stratified Calanque of Port-Miou (Mediterranean Sea). <i>Journal of Hydrology</i> , 2019, 578, 124034.	5.4	2
79	Concentrations and fluxes of suspended particulate matter and associated contaminants in the Rhône River from Lake Geneva to the Mediterranean Sea. <i>Earth System Science Data</i> , 2022, 14, 2369-2384.	9.9	2
80	Trace metal contamination in sediment cores from Algiers Bay (Algeria). <i>Arabian Journal of Geosciences</i> , 2022, 15, .	1.3	2
81	Reply to comments by Mastalerz, V. on "Shallow gas off the Rhône prodelta, Gulf of Lions" <i>Marine Geology</i> 234 (215-231). <i>Marine Geology</i> , 2008, 248, 118-121.	2.1	1
82	Tritium and 14C dependencies upon particulate organic matter within the nuclearized Rhone River (France). <i>Journal of Soils and Sediments</i> , 0, , .	3.0	1