Dominic Lariviere

List of Publications by Year
in descending order

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88 papers	2,289 citations	201674 27 h-index	243625 44 g-index

91 all docs	91 docs citations	91 times ranked	1924 citing authors

#	Article	IF	Citations
1	Rapid removal of fluoride from water using core@shell and @shell nanoparticles of SiO2@ZrO2 and @ZrO2. Investigation of the mechanisms involved and impact of elemental leaching. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2022, 61, 576-584.	1.9	0
2	Core-shell nanoparticles bearing Schiff base ligand for the selective extraction of uranium from REE leach liquors. Hydrometallurgy, 2022, 208, 105780.	4.3	8
3	Rapid determination of ²¹⁰Pb and ²¹⁰Po by sequential cloud point extraction for environmental monitoring. Analytical Methods, 2022, 14, 199-202.	2.7	1
4	Olive Oil Traceability Studies Using Inorganic and Isotopic Signatures: A Review. Molecules, 2022, 27, 2014.	3.8	15
5	Impact of Variability in Precipitation Patterns on the Geochemistry of Pyritic Uranium Tailings Rehabilitated with Saturated Cover Technology. Mining, 2022, 2, 385-401.	2.4	1
6	Metal-Enhanced Hg²⁺-Responsive Fluorescent Nanoprobes: From Morphological Design to Application to Natural Waters. ACS Omega, 2022, 7, 22944-22955.	3.5	1
7	Quantification of titanium dioxide nanoparticles in human urine by single-particle ICP-MS. Analytical and Bioanalytical Chemistry, 2021, 413, 171-181.	3.7	9
8	Determination of polonium-210 in environmental samples using diglycolamide-based cloud point extraction coupled to alpha spectrometry analysis. Applied Radiation and Isotopes, 2021, 168, 109549.	1.5	11
9	Comparative Studies of Digestion Techniques for the Dissolution of Neodymium-Based Magnets. Metals, 2021, 11, 1149.	2.3	6
10	A rapid sequential chromatographic separation of U- and Th-decay series radionuclides in water samples. Talanta, 2020, 207, 120282.	5.5	15
11	Revealing the Hydrolysis Mechanism of a Hg²⁺-Reactive Fluorescein Probe: Novel Insights on Thionocarbonated Dyes. ACS Omega, 2020, 5, 701-711.	3.5	17
12	Development of a radiochemical sequential procedure for the quantification of Th- and U-decay series elements in mining residues. Journal of Radioanalytical and Nuclear Chemistry, 2020, 326, 1597-1607.	1.5	3
13	Understanding Selectivity of Mesoporous Silica-Grafted Diglycolamide-Type Ligands in the Solid-Phase Extraction of Rare Earths. ACS Applied Materials & Interfaces, 2020, 12, 57003-57016.	8.0	34
14	Detection of radium at the attogram per gram level in copper by inductively coupled plasma mass spectrometry after cation-exchange chromatography. Analytical Methods, 2020, 12, 2272-2278.	2.7	7
15	Light-Generating CdSe/CdS Colloidal Quantum Dot-Doped Plastic Optical Fibers. ACS Applied Nano Materials, 2020, 3, 6478-6488.	5.0	2
16	Colloidal Quantum Dot-Doped Optical Fibers for Scintillation Dosimetry. IEEE Transactions on Nuclear Science, 2020, 67, 1040-1044.	2.0	3
17	Assessment of strategies for the formation of stable suspensions of titanium dioxide nanoparticles in aqueous media suitable for the analysis of biological fluids. Analytical and Bioanalytical Chemistry, 2020, 412, 1469-1481.	3.7	20
18	Design of an adsorbent-bearing silica Schiff base ligand for the highly efficient removal of uranium and thorium in acidic solutions. Separation and Purification Technology, 2019, 228, 115709.	7.9	17

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19	Size-Selective Separation of Rare Earth Elements Using Functionalized Mesoporous Silica Materials. ACS Applied Materials & Interfaces, 2019, 11, 23681-23691.	8.0	41
20	Toxicity of tailing leachates from a niobium mine toward three aquatic organisms. Ecotoxicology and Environmental Safety, 2019, 176, 355-363.	6.0	9
21	Dosimetric properties of colloidal quantum dot-based systems for scintillation dosimetry. Physics in Medicine and Biology, 2019, 64, 095027.	3.0	8
22	A new rapid protocol for 226Ra separation and preconcentration in natural water samples using molecular recognition technology for ICP-MS analysis. Journal of Environmental Radioactivity, 2019, 202, 1-7.	1.7	15
23	Selective Removal of Uranium from Rare Earth Leachates via Magnetic Solid-Phase Extraction Using Schiff Base Ligands. Industrial & Engineering Chemistry Research, 2019, 58, 306-315.	3.7	9
24	Selective separation and preconcentration of Th(<scp>iv</scp>) using organo-functionalized, hierarchically porous silica monoliths. Journal of Materials Chemistry A, 2019, 7, 289-302.	10.3	33
25	Attogram measurement of ²¹⁰Pb in drinking water by ICP-MS/MS. Journal of Analytical Atomic Spectrometry, 2018, 33, 603-612.	3.0	13
26	Rapid and selective leaching of actinides and rare earth elements from rare earth-bearing minerals and ores. Hydrometallurgy, 2018, 177, 187-196.	4.3	22
27	Selective Separation and Preconcentration of Scandium with Mesoporous Silica. ACS Applied Materials & Interfaces, 2018, 10, 448-457.	8.0	59
28	Determination of Pb in environmental samples after cloud point extraction using crown ether. Talanta, 2018, 179, 300-306.	5.5	39
29	Rapid and Selective Leaching of Actinides and Rare Earth Elements from Rare Earth-Bearing Minerals and Ores. Minerals, Metals and Materials Series, 2018, , 2323-2327.	0.4	0
30	Recent Advances in the Separation of Rare Earth Elements Using Mesoporous Hybrid Materials. Chemical Record, 2018, 18, 1261-1276.	5.8	73
31	Rapid, versatile and sensitive method for the quantification of radium in environmental samples through cationic extraction and inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2018, 33, 1031-1040.	3.0	25
32	Characterization of a binary system composed of luminescent quantum dots for liquid scintillation. Physics in Medicine and Biology, 2018, 63, 175012.	3.0	8
33	Functionalization of Mesoporous Carbon Materials for Selective Separation of Lanthanides under Acidic Conditions. ACS Applied Materials & Interfaces, 2017, 9, 12003-12012.	8.0	63
34	A comparative study of sample dissolution techniques and plasma-based instruments for the precise and accurate quantification of REEs in mineral matrices. Analytica Chimica Acta, 2017, 961, 33-41.	5.4	35
35	Highly Efficient and Selective Recovery of Rare Earth Elements Using Mesoporous Silica Functionalized by Preorganized Chelating Ligands. ACS Applied Materials & Interfaces, 2017, 9, 38584-38593.	8.0	72
36	Automated chromatographic separation coupled on-line to ICP-MS measurements for the quantification of actinides and radiostrontium in soil samples. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 127-139.	1.5	12

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37	Preliminary investigation of a luminescent colloidal quantum dots-based liquid scintillator. Journal of Physics: Conference Series, 2017, 847, 012043.	0.4	1
38	Robust shell passivation of CdSe colloidal quantum dots to stabilize radioluminescence emission. AIP Advances, 2016, 6, 105011.	1.3	8
39	Functionalization of mesoporous materials for lanthanide and actinide extraction. Dalton Transactions, 2016, 45, 14832-14854.	3.3	126
40	Nanostructured Organosilica Hybrids as Highly Efficient and Regenerable Sorbents for Rare Earth Extraction. ACS Symposium Series, 2016, , 107-117.	0.5	3
41	A rapid sequential separation of actinides and radiostrontium coupled to ICP-MS and gas proportional counting. Journal of Radioanalytical and Nuclear Chemistry, 2016, 310, 217-227.	1.5	14
42	Gross actinide preconcentration using phosphonate-based ligand and cloud point extraction. Journal of Radioanalytical and Nuclear Chemistry, 2016, 308, 527-537.	1.5	8
43	Isotopic signature of selected lanthanides for nuclear activities profiling using cloud point extraction and ICP-MS/MS. Journal of Environmental Radioactivity, 2016, 155-156, 15-22.	1.7	16
44	Support effects in rare earth element separation using diglycolamide-functionalized mesoporous silica. New Journal of Chemistry, 2016, 40, 4325-4334.	2.8	38
45	Scandium analysis in silicon-containing minerals by inductively coupled plasma tandem mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 118, 112-118.	2.9	14
46	Scintillating quantum dots. Imaging in Medical Diagnosis and Therapy, 2016, , 343-362.	0.0	3
47	Selective recovery of rare earth elements using chelating ligands grafted on mesoporous surfaces. RSC Advances, 2015, 5, 103782-103789.	3.6	47
48	Rapid determination of actinides and 90Sr in river water. Analytica Chimica Acta, 2015, 883, 109-116.	5.4	35
49	Dosimetric analysis of fathead minnow (Pimephales promelas, Rafinesque, 1820) exposed via ingestion to environmentally relevant activities of Ra-226 for two years. International Journal of Radiation Biology, 2014, 90, 169-178.	1.8	5
50	Nanoporous Sorbents: Nanostructured Hybrid Materials for the Selective Recovery and Enrichment of Rare Earth Elements (Adv. Funct. Mater. 18/2014). Advanced Functional Materials, 2014, 24, 2667-2667.	14.9	0
51	A nuclear forensic method for determining the age of radioactive cobalt sources. Analytical Methods, 2014, 6, 983-992.	2.7	7
52	Optimization of solid phase extraction chromatography for the separation of Np from U and Pu using experimental design tools in complex matrices. Analytical Methods, 2014, 6, 139-146.	2.7	1
53	Quantification of rare earth elements using cloud point extraction with diglycolamide and ICP-MS for environmental analysis. Analytical Methods, 2014, 6, 9291-9298.	2.7	27
54	Nanostructured Hybrid Materials for the Selective Recovery and Enrichment of Rare Earth Elements. Advanced Functional Materials, 2014, 24, 2668-2676.	14.9	108

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55	A bioassay method for americium and curium in feces. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 477-482.	1.5	21
56	Automated pressurized injection system for the separation of actinides by extraction chromatography. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 1803-1811.	1.5	15
57	Cloud Point Extraction of Plutonium in Environmental Matrixes Coupled to ICPMS and Î± Spectrometry in Highly Acidic Conditions. Analytical Chemistry, 2013, 85, 10549-10555.	6.5	38
58	Water-dispersable colloidal quantum dots for the detection of ionizing radiation. Chemical Communications, 2013, 49, 11629.	4.1	20
59	Nanoporous ammonium molybdophosphateâ€“silica hybrids as regenerable ultra-selective extraction agents for radiocesium monitoring. New Journal of Chemistry, 2013, 37, 3877.	2.8	20
60	Cloud point extraction of uranium using H2DEH[MDP] in acidic conditions. Talanta, 2013, 107, 284-291.	5.5	42
61	Uranium bone content as an indicator of chronic environmental exposure from drinking water. Journal of Environmental Radioactivity, 2013, 121, 98-103.	1.7	23
62	Chronic exposure by ingestion of environmentally relevant doses of226Ra leads to transient growth perturbations in fathead minnow (Pimephales promelas, Rafinesque, 1820). International Journal of Radiation Biology, 2013, 89, 950-964.	1.8	19
63	Results and Lessons Learned from Radiological/Nuclear Emergency Response Exercise Held in QuÃ©bec, Canada. Health Physics, 2012, 102, S67-S78.	0.5	1
64	Large Pore Mesostructured Organosilica-Phosphonate Hybrids as Highly Efficient and Regenerable Sorbents for Uranium Sequestration. Chemistry of Materials, 2012, 24, 4166-4176.	6.7	116
65	Detection of beryllium in digested autopsy tissues by inductively coupled plasma mass spectrometry using a high matrix interface configuration. Analytical and Bioanalytical Chemistry, 2012, 403, 409-418.	3.7	8
66	Multi-dimensional extraction chromatography of actinides for alpha and mass spectrometry. Analytical Methods, 2011, 3, 1560.	2.7	25
67	Phosphonate-functionalized large pore 3-D cubic mesoporous (KIT-6) hybrid as highly efficient actinide extracting agent. Chemical Communications, 2011, 47, 11525.	4.1	88
68	Neptunium(III) application in extraction chromatography. Talanta, 2011, 87, 8-14.	5.5	6
69	Sequential automated fusion/extraction chromatography methodology for the dissolution of uranium in environmental samples for mass spectrometric determination. Analytica Chimica Acta, 2011, 684, 40-46.	5.4	24
70	Radiostrontium and radium analysis in low-level environmental samples following a multi-stage semi-automated chromatographic sequential separation. Applied Radiation and Isotopes, 2011, 69, 8-17.	1.5	24
71	Estimation of uranium GI absorption fractions for children and adults. Radiation Protection Dosimetry, 2011, 144, 379-383.	0.8	11
72	Rapid and automated sequential determination of ultra-trace long-lived actinides in air filters by inductively coupled plasma mass spectrometry. Analytical Methods, 2010, 2, 259.	2.7	27

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73	Determination of neptunium in environmental samples by extraction chromatography after valence adjustment. Applied Radiation and Isotopes, 2010, 68, 2132-2139.	1.5	26
74	Method intercomparison for the analysis of 239/240Pu in human urine. Journal of Analytical Atomic Spectrometry, 2008, 23, 521.	3.0	16
75	Automated flow injection system using extractionchromatography for the determination of plutonium in urine by inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2008, 23, 352-360.	3.0	68
76	AGE DEPENDENCE OF NATURAL URANIUM AND THORIUM CONCENTRATIONS IN BONE. Health Physics, 2007, 92, 119-126.	0.5	21
77	Validation of an inductively coupled plasma mass spectrometry (ICP-MS) method for the determination of cerium, strontium, and titanium in ceramic materials used in radiological dispersal devices (RDDs). Analytica Chimica Acta, 2007, 588, 166-172.	5.4	63
78	Determination of 226Ra in sediments by ICP-MS: A comparative study of three sample preparation approaches. Journal of Radioanalytical and Nuclear Chemistry, 2007, 273, 337-344.	1.5	20
79	Radionuclide determination in environmental samples by inductively coupled plasma mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2006, 61, 877-904.	2.9	110
80	Micro-extraction procedures for the determination of Ra-226 in well waters by SF-ICP-MS. Analytica Chimica Acta, 2005, 528, 175-182.	5.4	44
81	Determination of 210Pb at ultra-trace levels in water by ICP-MS. Analytica Chimica Acta, 2005, 549, 188-196.	5.4	38
82	Hyphenation of flow injection on-line preconcentration and ICP-MS for the rapid determination of 226Ra in natural waters. Journal of Analytical Atomic Spectrometry, 2005, 20, 523.	3.0	31
83	Polyatomic Interferences Produced by Macroelements During Direct Multi-Elemental ICP-MS Hydrochemical Analysis. Geostandards and Geoanalytical Research, 2004, 28, 213-224.	1.9	18
84	Extraction and determination of Cs in natural waters by ICP-MS after ion exchange separation. Journal of Analytical Atomic Spectrometry, 2004, 19, 1225.	3.0	15
85	Title is missing!. Journal of Radioanalytical and Nuclear Chemistry, 2003, 256, 53-60.	1.5	31
86	Collision cell chemistry for the analysis of radioisotopes by inductively coupled plasma mass spectrometry. Journal of Radioanalytical and Nuclear Chemistry, 2003, 258, 473-480.	1.5	34
87	Determination of radium-226 in environmental samples by inductively coupled plasma mass spectrometry after sequential selective extraction. Journal of Analytical Atomic Spectrometry, 2003, 18, 338-343.	3.0	43
88	Membrane interactions of a new class of anticancer agents derived from arylchloroethylurea: a FTIR spectroscopic study. Chemistry and Physics of Lipids, 2001, 111, 163-175.	3.2	13