Couston Laurent

List of Publications by Year
in descending order

26 papers	413 citations	840776 11 h-index	752698 20 g-index
26 all docs	26 docs citations	26 times ranked	516 citing authors

#	Article	IF	Citations
1	Influence of the First Coordination of Uranyl on Its Luminescence Properties: A Study of Uranyl Binitrate with N,N-Dialkyl Amide DEHiBA and Water. Inorganic Chemistry, 2022, 61, 890-901.	4.0	9
2	Microfluidic ballistic regime for the generation of linear gradients inside a capillary column: Proof-of-concept and application to the miniaturized acid-base volumetric titration. Talanta, 2019, 196, 237-242.	5.5	2
3	Understanding the synergistic effect on lanthanides(III) solvent extraction by systems combining a malonamide and a dialkyl phosphoric acid. Hydrometallurgy, 2017, 169, 542-551.	4.3	25
4	Development of an Opto-fluidic Microsystem Dedicated to Chemical Analysis in a Nuclear Environment. Procedia Chemistry, 2016, 21, 453-460.	0.7	3
5	Miniaturizing and automation of free acidity measurements for uranium (VI)-HNO3 solutions: Development of a new sequential injection analysis for a sustainable radio-analytical chemistry. Talanta, 2016, 159, 330-335.	5.5	5
6	Packaged integrated opto-fluidic solution for harmful fluid analysis. , 2016, , .		3
7	Extraction of Lanthanides(III) by a Mixture of a Malonamide and a Dialkyl Phosphoric Acid. Solvent Extraction and Ion Exchange, 2016, 34, 141-160.	2.0	28
8	SHG techniques to investigate the surface and the bulk of aqueous solutions. Proceedings of SPIE, 2015, , .	0.8	0
9	Hyper Rayleigh and hyper Raman from neat water. Proceedings of SPIE, 2014, , .	0.8	1
10	Periodic Behavior of Lanthanide Coordination within Reverse Micelles. Chemistry - A European Journal, 2013, 19, 2663-2675.	3.3	67
11	Glass integrated nanochannel waveguide for concentration measurements. , 2013, , .		2
12	Microfluidics and Integrated Optics Glass Sensor for In-Line Microprobing of Nuclear Samples. IEEE Transactions on Nuclear Science, 2012, 59, 1401-1407.	2.0	0
13	Nitric acid extraction with monoamide and diamide monitored by second harmonic generation at the water/dodecane interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 413, 130-135.	4.7	9
14	Micro-analysis of Lanthanides and Actinides: A New Approach by a Co-integration of Optical and Fluidic Guides. Procedia Chemistry, 2012, 7, 685-690.	0.7	1
15	Photothermal microfluidic sensor based on an integrated Young interferometer made by ion exchange in glass. Sensors and Actuators B: Chemical, 2012, 163, 29-37.	7.8	18
16	Second harmonic generation monitoring of nitric acid extraction by a monoamide at the waterâ€“dodecane interface. Physical Chemistry Chemical Physics, 2011, 13, 19580.	2.8	15
17	Chemical speciation at the liquid-liquid interface: Development of a time-resolved-spectroscopy induced by the evanescent wave of a laser beam. , 2009, , .		0
18	TRLIFS study of Eu(III) spectroscopic properties to obtain structural and thermodynamic informations on lanthanide-malonamide complexes in the Eu(III)/NaNO3/TetraEthylMalonAmide system. Radiochimica Acta, 2004, 92, 411-418.	1.2	7

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19	Aqueous Solutions of Uranium(VI) as Studied by Time-Resolved Emission Spectroscopy: A Round-Robin Test. Applied Spectroscopy, 2003, 57, 1027-1038.	2.2	54
20	Title is missing!. Journal of Sol-Gel Science and Technology, 2000, 17, 131-136.	2.4	13
21	Optical sensing of high acidity using a solâ€“gel entrapped indicator. Sensors and Actuators B: Chemical, 1998, 51, 214-219.	7.8	24
22	Direct Uranium(VI) and Nitrate Determinations in Nuclear Reprocessing by Time-Resolved Laser-Induced Fluorescence. Analytical Chemistry, 1996, 68, 3204-3209.	6.5	60
23	Speciation of Uranyl Species in Nitric Acid Medium by Time-Resolved Laser-Induced Fluorescence. Applied Spectroscopy, 1995, 49, 349-353.	2.2	52
24	Time-Resolved Laser-Induced Fluorescence of UO22+in Nitric Acid Solutions. Journal of Nuclear Science and Technology, 1994, 31, 691-699.	1.3	12
25	<title>Uranium and nitrate remote sensing in the nuclear fuel cycle by time-resolved laser-induced fluorescence</title>. , 1994, , .		1
26	Time-Resolved Laser-Induced Fluorescence of UO22+ in Nitric Acid Solutions. Comparison between Nitrogen and Tripled Nd-YAG Laser.. Journal of Nuclear Science and Technology, 1994, 31, 691-699.	1.3	2