

Clotilde Gaillard

List of Publications by Year in descending order

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18
papers

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840585

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568
citing authors

#	ARTICLE	IF	CITATIONS
1	Task-Specific Ionic Liquids Bearing 2-Hydroxybenzylamine Units: Synthesis and Americium-Extraction Studies. <i>Chemistry - A European Journal</i> , 2006, 12, 3074-3081.	1.7	152
2	Solvent extraction of U(VI) by task specific ionic liquids bearing phosphoryl groups. <i>Green Chemistry</i> , 2007, 9, 1160.	4.6	141
3	Comparison of uranyl extraction mechanisms in an ionic liquid by use of malonamide or malonamide-functionalized ionic liquid. <i>Dalton Transactions</i> , 2012, 41, 7526.	1.6	74
4	Determination of Successive Complexation Constants in an Ionic Liquid: Complexation of UO_2^{2+} with NO_3^- in C_4mimTf_2N Studied by UV-Vis Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4276-4282.	1.2	60
5	Actinide and lanthanide speciation in imidazolium-based ionic liquids. <i>Radiochimica Acta</i> , 2009, 97, 355-359.	0.5	49
6	Insights into the Mechanism of Extraction of Uranium (VI) from Nitric Acid Solution into an Ionic Liquid by using Tri-n-butyl phosphate. <i>ChemPhysChem</i> , 2015, 16, 2653-2662.	1.0	48
7	Acid extraction to a hydrophobic ionic liquid: the role of added tributylphosphate investigated by experiments and simulations. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5187.	1.3	38
8	Competitive Complexation of Nitrates and Chlorides to Uranyl in a Room Temperature Ionic Liquid. <i>Inorganic Chemistry</i> , 2010, 49, 6484-6494.	1.9	36
9	Perrhenate Complexation by Uranyl in Traditional Solvents and in Ionic Liquids: A Joint Molecular Dynamics/Spectroscopic Study. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3205-3219.	1.2	21
10	Study of mechanisms involved in thermal migration of molybdenum and rhenium in apatites. <i>Journal of Nuclear Materials</i> , 2001, 299, 43-52.	1.3	16
11	Dramatic Changes in the Solubilities of Ions Induced by Ligand Addition in Biphasic System $D_2O/DNO_3/[C_1C_4im][Tf_2N]$: A Phenomenological Study. <i>Journal of Physical Chemistry B</i> , 2016, 120, 7502-7510.	1.2	14
12	New Ionic Liquid Based on the CMPO Pattern for the Sequential Extraction of U(VI), Am(III) and Eu(III). <i>Journal of Solution Chemistry</i> , 2018, 47, 1309-1325.	0.6	12
13	Effect of the Oxygen Potential on the Mo Migration and Speciation in UO_2 and UO_{2+x} . <i>Inorganic Chemistry</i> , 2019, 58, 4761-4773.	1.9	9
14	Dynamic SIMS for materials analysis in nuclear science. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2018, 36, 03F117.	0.6	7
15	Thermal behaviour of caesium implanted in UO_2 : A comparative study with the xenon behaviour. <i>Journal of Nuclear Materials</i> , 2021, 543, 152520.	1.3	7
16	Influence of temperature and electronic stopping power of UO_2 irradiated with swift ions on Mo migration. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018, 435, 111-115.	0.6	4
17	Effect of molybdenum on the behaviour of caesium in uranium dioxide at high temperature. <i>Journal of Nuclear Materials</i> , 2021, 545, 152602.	1.3	3
18	Cs diffusion mechanisms in UO_2 investigated by SIMS, TEM, and atomistic simulations. <i>Journal of Chemical Physics</i> , 2022, 156, 044705.	1.2	3