

Clotilde Gaillard

List of Publications by Year in descending order

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papers

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840585

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docs citations

18
times ranked

568
citing authors

#	ARTICLE	IF	CITATIONS
1	Cs diffusion mechanisms in UO ₂ investigated by SIMS, TEM, and atomistic simulations. Journal of Chemical Physics, 2022, 156, 044705.	1.2	3
2	Thermal behaviour of caesium implanted in UO ₂ : A comparative study with the xenon behaviour. Journal of Nuclear Materials, 2021, 543, 152520.	1.3	7
3	Effect of molybdenum on the behaviour of caesium in uranium dioxide at high temperature. Journal of Nuclear Materials, 2021, 545, 152602.	1.3	3
4	Effect of the Oxygen Potential on the Mo Migration and Speciation in UO ₂ and UO _{2+x} . Inorganic Chemistry, 2019, 58, 4761-4773.	1.9	9
5	Dynamic SIMS for materials analysis in nuclear science. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2018, 36, 03F117.	0.6	7
6	Influence of temperature and electronic stopping power of UO ₂ irradiated with swift ions on Mo migration. Nuclear Instruments & Methods in Physics Research B, 2018, 435, 111-115.	0.6	4
7	New Ionic Liquid Based on the CMPO Pattern for the Sequential Extraction of U(VI), Am(III) and Eu(III). Journal of Solution Chemistry, 2018, 47, 1309-1325.	0.6	12
8	Dramatic Changes in the Solubilities of Ions Induced by Ligand Addition in Biphasic System D ₂ O/DNO ₃ //[C ₁ C ₄ im][Tf ₂ N]: A Phenomenological Study. Journal of Physical Chemistry B, 2016, 120, 7502-7510.	1.2	14
9	Insights into the Mechanism of Extraction of Uranium (VI) from Nitric Acid Solution into an Ionic Liquid by using Tri <i>n</i> -butyl phosphate. ChemPhysChem, 2015, 16, 2653-2662.	1.0	48
10	Perrhenate Complexation by Uranyl in Traditional Solvents and in Ionic Liquids: A Joint Molecular Dynamics/Spectroscopic Study. Journal of Physical Chemistry B, 2012, 116, 3205-3219.	1.2	21
11	Comparison of uranyl extraction mechanisms in an ionic liquid by use of malonamide or malonamide-functionalized ionic liquid. Dalton Transactions, 2012, 41, 7526.	1.6	74
12	Acid extraction to a hydrophobic ionic liquid: the role of added tributylphosphate investigated by experiments and simulations. Physical Chemistry Chemical Physics, 2012, 14, 5187.	1.3	38
13	Competitive Complexation of Nitrates and Chlorides to Uranyl in a Room Temperature Ionic Liquid. Inorganic Chemistry, 2010, 49, 6484-6494.	1.9	36
14	Determination of Successive Complexation Constants in an Ionic Liquid: Complexation of UO ₂ ²⁺ with NO ₃ ⁻ in C ₄ mimTf ₂ N Studied by UV-Vis Spectroscopy. Journal of Physical Chemistry B, 2010, 114, 4276-4282.	1.2	60
15	Actinide and lanthanide speciation in imidazolium-based ionic liquids. Radiochimica Acta, 2009, 97, 355-359.	0.5	49
16	Solvent extraction of U(vi) by task specific ionic liquids bearing phosphoryl groups. Green Chemistry, 2007, 9, 1160.	4.6	141
17	Task-Specific Ionic Liquids Bearing 2-Hydroxybenzylamine Units: Synthesis and Americium-Extraction Studies. Chemistry - A European Journal, 2006, 12, 3074-3081.	1.7	152
18	Study of mechanisms involved in thermal migration of molybdenum and rhenium in apatites. Journal of Nuclear Materials, 2001, 299, 43-52.	1.3	16