Thibaud Delahaye

List of Publications by Year
in descending order

55	1,568	361296 20	302012 39
papers	citations	h-index	g-index

59	59	59	2006
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Study of (La,Sr)(Ti,Ni)O3-Î´ materials for symmetrical Solid Oxide Cell electrode - Part B: Conditions of Ni exsolution. Ceramics International, 2020, 46, 5841-5849.	2.3	19
2	Study of (La,Sr)(Ti,Ni)O3-Î´ materials for symmetrical Solid Oxide Cell electrode - Part C: Electrical and electrochemical behavior. Ceramics International, 2020, 46, 23442-23456.	2.3	7
3	Aqueous gelcasting of CeO2 ceramics using water-soluble epoxide. Ceramics International, 2019, 45, 23966-23974.	2.3	3
4	Study of (La,Sr)(Ti,Ni)O3-Î´ materials for symmetrical Solid Oxide Cell electrode - Part A: Synthesis and structure analysis in air. Ceramics International, 2019, 45, 17969-17977.	2.3	9
5	Actinide mixed oxide conversion by advanced thermal denitration route. Journal of Nuclear Materials, 2019, 519, 157-165.	1.3	7
6	Mechanical behaviour of porous lanthanide oxide microspheres: Experimental investigation and numerical simulations. Journal of the European Ceramic Society, 2018, 38, 695-703.	2.8	8
7	Investigation of the sintering mechanisms of GDC pellets obtained by the compaction of nanostructured oxide microspheres. Journal of the American Ceramic Society, 2017, 100, 4450-4460.	1.9	4
8	Development of Highly Nano-Dispersed NiO/GDC Catalysts from Ion Exchange Resin Templates. Catalysts, 2017, 7, 368.	1.6	2
9	Dissolution of uranium dioxide in nitric acid media: what do we know?. EPJ Nuclear Sciences & Technologies, 2017, 3, 13.	0.3	22
10	Î± Self-irradiation Effects on Structural Properties of (U,Am)O2Â±Î´Materials. EPJ Web of Conferences, 2016, 115, 03005.	0.1	1
11	The Weak Acid Resin Process: A Dustless Conversion Route for the Synthesis of Americium Bearing-blanket Precursors. Procedia Chemistry, 2016, 21, 271-278.	0.7	1
12	Investigation of the Sintering Mechanisms for (U,Am)O2 Pellets Obtained by CRMP Process. Procedia Chemistry, 2016, 21, 357-364.	0.7	0
13	Evidence of Trivalent Am Substitution into U₃O₈. Inorganic Chemistry, 2016, 55, 10438-10444.	1.9	8
14	In-situ High Temperature X-ray Diffraction Study of the Am-O System. MRS Advances, 2016, 1, 4133-4137.	0.5	3
15	Melting behaviour of americium-doped uranium dioxide. Journal of Chemical Thermodynamics, 2016, 97, 244-252.	1.0	19
16	Dilatometric study of a co-converted (U,Am)O2 powder. Journal of the European Ceramic Society, 2016, 36, 1775-1782.	2.8	7
17	Multiscale structural characterizations of mixed U(iv)â€"An(iii) oxalates (An(iii) = Pu or Am) combining XAS and XRD measurements. Dalton Transactions, 2016, 45, 6909-6919.	1.6	9
18	Comparative XRPD and XAS study of the impact of the synthesis process on the electronic and structural environments of uraniumâ€"americium mixed oxides. Journal of Solid State Chemistry, 2015, 230, 8-13.	1.4	8

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19	In situ characterization of uranium and americium oxide solid solution formation for CRMP process: first combination of in situ XRD and XANES measurements. Dalton Transactions, 2015, 44, 6391-6399.	1.6	11
20	Peculiar Behavior of (U,Am)O_{2âˆ’Î´} Compounds for High Americium Contents Evidenced by XRD, XAS, and Raman Spectroscopy. Inorganic Chemistry, 2015, 54, 9749-9760.	1.9	30
21	Porous metal oxide microspheres from ion exchange resin. European Physical Journal: Special Topics, 2015, 224, 1675-1687.	1.2	7
22	Fabrication of uraniumâ€“americium mixed oxide pellet from microsphere precursors: Application of CRMP process. Journal of Nuclear Materials, 2014, 453, 214-219.	1.3	21
23	Fabrication of uranium dioxide ceramic pellets with controlled porosity from oxide microspheres. Journal of Nuclear Materials, 2014, 448, 80-86.	1.3	10
24	New Insight into Self-Irradiation Effects on Local and Long-Range Structure of Uraniumâ€“Americium Mixed Oxides (through XAS and XRD). Inorganic Chemistry, 2014, 53, 9531-9540.	1.9	16
25	Nanostructured gadolinium-doped ceria microsphere synthesis from ion exchange resin: Multi-scale in-situ studies of solid solution formation. Journal of Solid State Chemistry, 2014, 218, 155-163.	1.4	20
26	Americium-based oxides: Dense pellet fabrication from co-converted oxalates. Journal of Nuclear Materials, 2014, 444, 181-185.	1.3	23
27	Self-irradiation and oxidation effects on americium sesquioxide and Raman spectroscopy studies of americium oxides. Journal of Solid State Chemistry, 2014, 217, 159-168.	1.4	11
28	Selection and study of basic layered cobaltites as mixed ionicâ€“electronic conductors for proton conducting fuel cells. Solid State Ionics, 2014, 263, 15-22.	1.3	12
29	Accommodation of multivalent cations in fluorite-type solid solutions: Case of Am-bearing UO2. Journal of Nuclear Materials, 2013, 434, 7-16.	1.3	50
30	Fabrication and characterization of U1âˆ’Am O2Â± compounds with high americium contents (x= 0.3, 0.4) Tj ETQq0 0 0 rgBT /Overlock	1.3	19
31	XRD Monitoring of Î± Self-Irradiation in Uraniumâ€“Americium Mixed Oxides. Inorganic Chemistry, 2013, 52, 14196-14204.	1.9	28
32	Exsolution of nickel nanoparticles at the surface of a conducting titanate as potential hydrogen electrode material for solid oxide electrochemical cells. Journal of Power Sources, 2013, 223, 341-348.	4.0	118
33	Dilatometric study of U1âˆ’xAmxO2Â±Î´ and U1âˆ’xCexO2Â±Î´ reactive sintering. Journal of Nuclear Materials, 2013, 441, 40-46.	1.3	18
34	Recent progress on minor-actinide-bearing oxide fuel fabrication at CEA Marcoule. Journal of Nuclear Materials, 2013, 438, 99-107.	1.3	30
35	Application of the UMACS process to highly dense U1âˆ’xAmxO2Â±Î´ MABB fuel fabrication for the DIAMINO irradiation. Journal of Nuclear Materials, 2013, 432, 305-312.	1.3	36
36	Dilatometric Study of <scp><scp>U</scp></scp>_{1âˆ’<i>x</i>}<scp><scp>Am</scp></scp>_{<i>x</i>}<scp><scp>O</scp></scp><sub> Sintering: Determination of Activation Energy. Journal of the American Ceramic Society, 2013, 96, 3410-3416.	1.9	9

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37	In-situ X-ray diffraction study of phase transformations in the Amâ€“O system. Journal of Solid State Chemistry, 2012, 196, 217-224.	1.4	39
38	In Situ Study of the Solid-State Formation of U_{1â€“<i>x</i>}Am_{<i>x</i>}O_{2Â±Î´} Solid Solution. Inorganic Chemistry, 2012, 51, 9369-9375.	1.9	26
39	Alpha self-irradiation effect on the local structure of the U0.85Am0.15O2Â±x solid solution. Journal of Solid State Chemistry, 2012, 194, 206-211.	1.4	29
40	U1-xAmxO2Â±Î´ MABB Fabrication in the Frame of the DIAMINO Irradiation Experiment. Procedia Chemistry, 2012, 7, 485-492.	0.7	10
41	UMACS Process and its Application to MABB Fuel Fabrication. Procedia Chemistry, 2012, 7, 499-504.	0.7	3
42	Microstructural development of Ni-1Ce10ScSZ cermet electrode for Solid Oxide Electrolysis Cell (SOEC) application. International Journal of Hydrogen Energy, 2012, 37, 3865-3873.	3.8	20
43	Fabrication and Characterization of Anodeâ€Supported BaIn_{0.3}Ti_{0.7}O_{2.85} Thin Electrolyte for Solid Oxide Fuel Cell. International Journal of Applied Ceramic Technology, 2012, 9, 1049-1057.	1.1	4
44	Fabrication and characterization of americium, neptunium and curium bearing MOX fuels obtained by powder metallurgy process. Journal of Nuclear Materials, 2012, 420, 213-217.	1.3	32
45	Stability study of possible air electrode materials for proton conducting electrochemical cells. Solid State Ionics, 2012, 209-210, 36-42.	1.3	18
46	Reactive sintering of U1âˆ'yAmyO2Â±x in overstoichiometric conditions. Journal of the European Ceramic Society, 2012, 32, 1585-1591.	2.8	22
47	Calcined resin microsphere pelletization (CRMP): A novel process for sintered metallic oxide pellets. Journal of the European Ceramic Society, 2012, 32, 3199-3209.	2.8	37
48	Microstructure of porous composite electrodes generated by the discrete element method. Journal of Power Sources, 2011, 196, 2046-2054.	4.0	39
49	Electrochemical properties of novel SOFC dual electrode La0.75Sr0.25Cr0.5Mn0.3Ni0.2O3âˆ'Î´ï€. Solid State Ionics, 2011, 184, 39-41.	1.3	32
50	Development of Pr0.58Sr0.4Fe0.8Co0.2O3âˆ'Î´â€“GDC composite cathode for solid oxide fuel cell (SOFC) application. Solid State Ionics, 2010, 181, 1378-1386.	1.3	31
51	Design and Evaluation of SOFC Based on BaIn0.3Ti0.7O2.85 Electrolyte and Ni/BaIn0.3Ti0.7O2.85 Cermet Anode. ECS Transactions, 2007, 7, 2343-2350.	0.3	2
52	Intermediate temperature solid oxide fuel cell based on BaIn0.3Ti0.7O2.85 electrolyte. Journal of Power Sources, 2007, 167, 111-117.	4.0	22
53	Synthesis and characterization of a Ni/Ba2In0.6Ti1.4O5.7â–¡0.3 cermet for SOFC application. Solid State Ionics, 2006, 177, 2945-2950.	1.3	13
54	Nanostructured transition metal oxides for aqueous hybrid electrochemical supercapacitors. Applied Physics A: Materials Science and Processing, 2006, 82, 599-606.	1.1	575

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55	Some Experimental Evidence that $Zn_4O(BO_3)_2$ is $Zn_6O(OH)(BO_3)_3$. Angewandte Chemie - International Edition, 2006, 45, 4060-4062.	7.2	8