

Thibaud Delahaye

List of Publications by Year in descending order

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55
papers

1,568
citations

361296

20
h-index

302012

39
g-index

59
all docs

59
docs citations

59
times ranked

2006
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured transition metal oxides for aqueous hybrid electrochemical supercapacitors. Applied Physics A: Materials Science and Processing, 2006, 82, 599-606.	1.1	575
2	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
3	Accommodation of multivalent cations in fluorite-type solid solutions: Case of Am-bearing UO ₂ . Journal of Nuclear Materials, 2013, 434, 7-16.	1.3	50
4	Microstructure of porous composite electrodes generated by the discrete element method. Journal of Power Sources, 2011, 196, 2046-2054.	4.0	39
5	In-situ X-ray diffraction study of phase transformations in the Am-O system. Journal of Solid State Chemistry, 2012, 196, 217-224.	1.4	39
6	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
7	Application of the UMACS process to highly dense U _{1-x} Am _x O _{2±y} MABB fuel fabrication for the DIAMINO irradiation. Journal of Nuclear Materials, 2013, 432, 305-312.	1.3	36
8	Electrochemical properties of novel SOFC dual electrode La _{0.75} Sr _{0.25} Cr _{0.5} Mn _{0.3} Ni _{0.2} O _{3±y} . Solid State Ionics, 2011, 184, 39-41.	1.3	32
9	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
10	Development of Pr _{0.58} Sr _{0.4} Fe _{0.8} Co _{0.2} O _{3±y} GDC composite cathode for solid oxide fuel cell (SOFC) application. Solid State Ionics, 2010, 181, 1378-1386.	1.3	31
11	Recent progress on minor-actinide-bearing oxide fuel fabrication at CEA Marcoule. Journal of Nuclear Materials, 2013, 438, 99-107.	1.3	30
12	Peculiar Behavior of (U,Am)O _{2±y} Compounds for High Americium Contents Evidenced by XRD, XAS, and Raman Spectroscopy. Inorganic Chemistry, 2015, 54, 9749-9760.	1.9	30
13	Alpha self-irradiation effect on the local structure of the U _{0.85} Am _{0.15} O _{2±x} solid solution. Journal of Solid State Chemistry, 2012, 194, 206-211.	1.4	29
14	XRD Monitoring of \pm Self-Irradiation in Uranium-Amercium Mixed Oxides. Inorganic Chemistry, 2013, 52, 14196-14204.	1.9	28
15	In Situ Study of the Solid-State Formation of U _{1-x} Am _x O _{2±y} Solid Solution. Inorganic Chemistry, 2012, 51, 9369-9375.	1.9	26
16	Americium-based oxides: Dense pellet fabrication from co-converted oxalates. Journal of Nuclear Materials, 2014, 444, 181-185.	1.3	23
17	Intermediate temperature solid oxide fuel cell based on Ba _{0.3} Ti _{0.7} O _{2.85} electrolyte. Journal of Power Sources, 2007, 167, 111-117.	4.0	22
18	Reactive sintering of U _{1-y} Am _y O _{2±x} in overstoichiometric conditions. Journal of the European Ceramic Society, 2012, 32, 1585-1591.	2.8	22

#	ARTICLE	IF	CITATIONS
19	Dissolution of uranium dioxide in nitric acid media: what do we know?. EPJ Nuclear Sciences & Technologies, 2017, 3, 13.	0.3	22
20	Fabrication of uranium-amerium mixed oxide pellet from microsphere precursors: Application of CRMP process. Journal of Nuclear Materials, 2014, 453, 214-219.	1.3	21
21	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
22	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
23	Fabrication and characterization of $U_{1-x}Am_xO_{2\pm}$ compounds with high americium contents ($x=0.3, 0.4$) $T_j ETQq_{1.3} 0.7843_{19} rgBT$	1.3	19
24	Melting behaviour of americium-doped uranium dioxide. Journal of Chemical Thermodynamics, 2016, 97, 244-252.	1.0	19
25	Study of (La,Sr)(Ti,Ni)O _{3-δ} materials for symmetrical Solid Oxide Cell electrode - Part B: Conditions of Ni exsolution. Ceramics International, 2020, 46, 5841-5849.	2.3	19
26	Stability study of possible air electrode materials for proton conducting electrochemical cells. Solid State Ionics, 2012, 209-210, 36-42.	1.3	18
27	Dilatometric study of $U_{1-x}Am_xO_{2\pm}$ and $U_{1-x}CexO_{2\pm}$ reactive sintering. Journal of Nuclear Materials, 2013, 441, 40-46.	1.3	18
28	New Insight into Self-Irradiation Effects on Local and Long-Range Structure of Uranium-Amerium Mixed Oxides (through XAS and XRD). Inorganic Chemistry, 2014, 53, 9531-9540.	1.9	16
29	Synthesis and characterization of a Ni/Ba ₂ In _{0.6} Ti _{1.4} O _{5.7} - _{0.3} cermet for SOFC application. Solid State Ionics, 2006, 177, 2945-2950.	1.3	13
30	Selection and study of basic layered cobaltites as mixed ionic-electronic conductors for proton conducting fuel cells. Solid State Ionics, 2014, 263, 15-22.	1.3	12
31	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
32	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
33	$U_{1-x}Am_xO_{2\pm}$ MABB Fabrication in the Frame of the DIAMINO Irradiation Experiment. Procedia Chemistry, 2012, 7, 485-492.	0.7	10
34	Fabrication of uranium dioxide ceramic pellets with controlled porosity from oxide microspheres. Journal of Nuclear Materials, 2014, 448, 80-86.	1.3	10
35	Dilatometric Study of $U_{1-x}Am_xO_{2\pm}$ Sintering: Determination of Activation Energy. Journal of the American Ceramic Society, 2013, 96, 3410-3416.	1.9	9
36	Multiscale structural characterizations of mixed U(IV)-An(III) oxalates (An(III) = Pu or Am) combining XAS and XRD measurements. Dalton Transactions, 2016, 45, 6909-6919.	1.6	9

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37	Study of (La,Sr)(Ti,Ni)O _{3-δ} materials for symmetrical Solid Oxide Cell electrode - Part A: Synthesis and structure analysis in air. <i>Ceramics International</i> , 2019, 45, 17969-17977.	2.3	9
38	Some Experimental Evidence that Zn ₄ O(BO ₃) ₂ is Zn ₆ O(OH)(BO ₃) ₃ . <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4060-4062.	7.2	8
39	Comparative XRPD and XAS study of the impact of the synthesis process on the electronic and structural environments of uranium-amerium mixed oxides. <i>Journal of Solid State Chemistry</i> , 2015, 230, 8-13.	1.4	8
40	Evidence of Trivalent Am Substitution into U ₃ O ₈ . <i>Inorganic Chemistry</i> , 2016, 55, 10438-10444.	1.9	8
41	Mechanical behaviour of porous lanthanide oxide microspheres: Experimental investigation and numerical simulations. <i>Journal of the European Ceramic Society</i> , 2018, 38, 695-703.	2.8	8
42	Porous metal oxide microspheres from ion exchange resin. <i>European Physical Journal: Special Topics</i> , 2015, 224, 1675-1687.	1.2	7
43	Dilatometric study of a co-converted (U,Am)O ₂ powder. <i>Journal of the European Ceramic Society</i> , 2016, 36, 1775-1782.	2.8	7
44	Actinide mixed oxide conversion by advanced thermal denitration route. <i>Journal of Nuclear Materials</i> , 2019, 519, 157-165.	1.3	7
45	Study of (La,Sr)(Ti,Ni)O _{3-δ} materials for symmetrical Solid Oxide Cell electrode - Part C: Electrical and electrochemical behavior. <i>Ceramics International</i> , 2020, 46, 23442-23456.	2.3	7
46	Fabrication and Characterization of Anode-Supported Ba _{0.3} Ti _{0.7} O _{2.85} Thin Electrolyte for Solid Oxide Fuel Cell. <i>International Journal of Applied Ceramic Technology</i> , 2012, 9, 1049-1057.	1.1	4
47	Investigation of the sintering mechanisms of GDC pellets obtained by the compaction of nanostructured oxide microspheres. <i>Journal of the American Ceramic Society</i> , 2017, 100, 4450-4460.	1.9	4
48	UMACS Process and its Application to MABB Fuel Fabrication. <i>Procedia Chemistry</i> , 2012, 7, 499-504.	0.7	3
49	In-situ High Temperature X-ray Diffraction Study of the Am-O System. <i>MRS Advances</i> , 2016, 1, 4133-4137.	0.5	3
50	Aqueous gelcasting of CeO ₂ ceramics using water-soluble epoxide. <i>Ceramics International</i> , 2019, 45, 23966-23974.	2.3	3
51	Design and Evaluation of SOFC Based on Ba _{0.3} Ti _{0.7} O _{2.85} Electrolyte and Ni/Ba _{0.3} Ti _{0.7} O _{2.85} Cermet Anode. <i>ECS Transactions</i> , 2007, 7, 2343-2350.	0.3	2
52	Development of Highly Nano-Dispersed NiO/GDC Catalysts from Ion Exchange Resin Templates. <i>Catalysts</i> , 2017, 7, 368.	1.6	2
53	± Self-irradiation Effects on Structural Properties of (U,Am)O ₂ ± Materials. <i>EPJ Web of Conferences</i> , 2016, 115, 03005.	0.1	1
54	The Weak Acid Resin Process: A Dustless Conversion Route for the Synthesis of Americium Bearing-blanket Precursors. <i>Procedia Chemistry</i> , 2016, 21, 271-278.	0.7	1

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55	Investigation of the Sintering Mechanisms for (U,Am)O ₂ Pellets Obtained by CRMP Process. <i>Procedia Chemistry</i> , 2016, 21, 357-364.	0.7	0