

Nicolas Clavier

List of Publications by Year in descending order

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118
papers

3,689
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times ranked

2123
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Impact of impurities on the fabrication and performances of yttrium-doped thoria electrolyte ceramics. <i>Journal of Nuclear Materials</i> , 2022, 560, 153499. | 1.3 | 2 |
| 2 | A multiscale <i>in situ</i> high temperature high resolution transmission electron microscopy study of ThO ₂ sintering. <i>Nanoscale</i> , 2021, 13, 7362-7374. | 2.8 | 6 |
| 3 | The Role of Water and Hydroxyl Groups in the Structures of Stetindite and Coffinite, MSiO ₄ (M = Ce, U). <i>Inorganic Chemistry</i> , 2021, 60, 718-735. | 1.9 | 18 |
| 4 | Effect of Annealing on Structural and Thermodynamic Properties of ThSiO ₄ -ErPO ₄ Xenotime Solid Solution. <i>Inorganic Chemistry</i> , 2021, 60, 12020-12028. | 1.9 | 2 |
| 5 | SEraMic: A semi-automatic method for the segmentation of grain boundaries. <i>Journal of the European Ceramic Society</i> , 2021, 41, 5349-5358. | 2.8 | 6 |
| 6 | Influence of the PuO ₂ content on the sintering behaviour of UO ₂ -PuO ₂ freeze-granulated powders under reducing conditions. <i>Journal of the European Ceramic Society</i> , 2021, 41, 6778-6783. | 2.8 | 3 |
| 7 | Direct sintering of UO _{2+x} oxides prepared under hydrothermal conditions. <i>Journal of the European Ceramic Society</i> , 2021, 41, 6697-6707. | 2.8 | 3 |
| 8 | Reaction sintering of rhabdophane into monazite-cheralite Nd _{1-2x} Th _x CaxPO ₄ (x = 0 ã€“ 0.1) ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 911-922. | 2.8 | 11 |
| 9 | Sintering of a UO ₂ -PuO ₂ freeze-granulated powder under reducing conditions. <i>Journal of the European Ceramic Society</i> , 2020, 40, 5900-5908. | 2.8 | 6 |
| 10 | Hydrothermal Conversion of Thorium Oxalate into ThO ₂ ·nH ₂ O Oxide. <i>Inorganic Chemistry</i> , 2020, 59, 14954-14966. | 1.9 | 13 |
| 11 | Early stages of UO _{2+x} sintering by <i>in situ</i> high-temperature environmental scanning electron microscopy. <i>Journal of the European Ceramic Society</i> , 2020, 40, 5891-5899. | 2.8 | 5 |
| 12 | Charge compensation mechanisms in Nd-doped UO ₂ samples for stoichiometric and hypo-stoichiometric conditions: Lack of miscibility gap. <i>Journal of Nuclear Materials</i> , 2020, 539, 152276. | 1.3 | 21 |
| 13 | Structural changes of Nd- and Ce-doped ammonium diuranate microspheres during the conversion to U ^{IV} LnO ₂ ·nH ₂ O. <i>Journal of Nuclear Materials</i> , 2020, 542, 152454. | 1.3 | 2 |
| 14 | Structural and Thermodynamic Investigation of the Perovskite Ba ₂ NaMoO _{5.5} . <i>Inorganic Chemistry</i> , 2020, 59, 6120-6130. | 1.9 | 1 |
| 15 | Oxidation as an Early Stage in the Multistep Thermal Decomposition of Uranium(IV) Oxalate into U ₃ O ₈ . <i>Inorganic Chemistry</i> , 2020, 59, 8589-8602. | 1.9 | 14 |
| 16 | Uranium removal from mining water using Cu substituted hydroxyapatite. <i>Journal of Hazardous Materials</i> , 2020, 392, 122501. | 6.5 | 43 |
| 17 | Impact of liquid sodium corrosion on microstructure and electrical properties of yttrium-doped thoria prepared by co-precipitation. <i>Corrosion Science</i> , 2020, 171, 108721. | 3.0 | 4 |
| 18 | Hydrothermal Conversion of Uranium(IV) Oxalate into Oxides: A Comprehensive Study. <i>Inorganic Chemistry</i> , 2020, 59, 3260-3273. | 1.9 | 24 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Synthesis, Crystal Structure, and Enthalpies of Formation of Churchite-type $\text{REPO}_4 \cdot 2\text{H}_2\text{O}$ (RE = Gd to Lu) Materials. <i>Crystal Growth and Design</i> , 2019, 19, 4641-4649. | 1.4 | 20 |
| 20 | First Stage of Sintering of ThO_2 Microspheres: a HT-ESEM and HT-HRTEM Study. <i>Microscopy and Microanalysis</i> , 2019, 25, 49-50. | 0.2 | 0 |
| 21 | From Th-Rhabdophane to Monazite-Cheralite Solid Solutions: Thermal Behavior of $\text{Nd}_2\text{ThCaPO}_4 \cdot x\text{H}_2\text{O}$ ($x = 0-0.15$). <i>Crystal Growth and Design</i> , 2019, 19, 2794-2801. | 1.4 | 9 |
| 22 | Working with the ESEM at high temperature. <i>Materials Characterization</i> , 2019, 151, 15-26. | 1.9 | 29 |
| 23 | Impact of the cationic homogeneity on $\text{Th}_0.5\text{U}_0.5\text{O}_2$ densification and chemical durability. <i>Journal of Nuclear Materials</i> , 2019, 514, 368-379. | 1.3 | 5 |
| 24 | Direct synthesis of pure brannerite UTi_2O_6 . <i>Journal of Nuclear Materials</i> , 2019, 515, 401-406. | 1.3 | 12 |
| 25 | Determination of the isotopic composition of single sub-micrometer-sized uranium particles by laser ablation coupled with multi-collector inductively coupled plasma mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 419-428. | 0.7 | 9 |
| 26 | Structural and thermodynamic study of $\text{Cs}_3\text{Na}(\text{MoO}_4)_2$: Margin to the safe operation of sodium cooled fast reactors. <i>Journal of Solid State Chemistry</i> , 2019, 269, 1-8. | 1.4 | 4 |
| 27 | Dissolution kinetics of monazite LnPO_4 (Ln = La to Gd): A multiparametric study. <i>Applied Geochemistry</i> , 2018, 93, 81-93. | 1.4 | 25 |
| 28 | Effect of powder morphology on sintering kinetics, microstructure and mechanical properties of monazite ceramics. <i>Journal of the European Ceramic Society</i> , 2018, 38, 227-234. | 2.8 | 25 |
| 29 | Synthesis of size-controlled UO_2 microspheres from the hydrothermal conversion of $\text{U}(\text{iv})$ aspartate. <i>CrystEngComm</i> , 2018, 20, 7749-7760. | 1.3 | 21 |
| 30 | Thermodynamics and Stability of Rhabdophanes, Hydrated Rare Earth Phosphates $\text{REPO}_4 \cdot n\text{H}_2\text{O}$. <i>Frontiers in Chemistry</i> , 2018, 6, 604. | 1.8 | 27 |
| 31 | Monazite, rhabdophane, xenotime & churchite: Vibrational spectroscopy of gadolinium phosphate polymorphs. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 205, 85-94. | 2.0 | 49 |
| 32 | Solubility product of the thorium phosphate hydrogen-phosphate hydrate $(\text{Th}_2(\text{PO}_4)_2 \cdot (\text{HPO}_4) \cdot \text{H}_2\text{O})$. <i>Journal of Nuclear Materials</i> , 2018, 514, 368-379. | 1.3 | 5 |
| 33 | Thorium aspartate tetrahydrate precursor to ThO_2 : Comparison of hydrothermal and thermal conversions. <i>Journal of Nuclear Materials</i> , 2017, 487, 331-342. | 1.3 | 19 |
| 34 | In pursuit of the rhabdophane crystal structure: from the hydrated monoclinic $\text{LnPO}_4 \cdot 0.667\text{H}_2\text{O}$ to the hexagonal LnPO_4 (Ln = Nd, Sm, Gd, Eu and Dy). <i>Journal of Solid State Chemistry</i> , 2017, 249, 221-227. | 1.4 | 42 |
| 35 | Densification behavior and microstructure evolution of yttrium-doped ThO_2 ceramics. <i>Journal of the European Ceramic Society</i> , 2017, 37, 3381-3391. | 2.8 | 14 |
| 36 | Structural and thermodynamic study of cesium molybdate $\text{Cs}_2\text{Mo}_2\text{O}_7$: Implications for fast neutron reactors. <i>Journal of Solid State Chemistry</i> , 2017, 253, 89-102. | 1.4 | 20 |

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|----|---|-----|-----------|
| 37 | Incorporation of thorium in the rhabdophane structure: Synthesis and characterization of $\text{Pr}_{1-2x}\text{Ca}_x\text{Th}_x\text{PO}_4 \cdot n\text{H}_2\text{O}$ solid solutions. <i>Journal of Nuclear Materials</i> , 2017, 492, 88-96. | 1.3 | 14 |
| 38 | Synthesis and Direct Sintering of Nanosized $(\text{M}^{\text{IV}}, \text{M}^{\text{III}})\text{O} \cdot 2\text{H}_2\text{O}$ Hydrated Oxides as Electrolyte Ceramics. <i>ChemPhysChem</i> , 2017, 18, 2666-2674. | 1.0 | 3 |
| 39 | Novel approaches for the <i>in situ</i> study of the sintering of nuclear oxide fuel materials and their surrogates. <i>Radiochimica Acta</i> , 2017, 105, 879-892. | 0.5 | 9 |
| 40 | High-temperature electron microscopy study of ThO_2 microspheres sintering. <i>Journal of the European Ceramic Society</i> , 2017, 37, 727-738. | 2.8 | 25 |
| 41 | In Situ Study of CeO_2 Microspheres Sintering Using HT-ESEM. <i>Microscopy and Microanalysis</i> , 2016, 22, 62-63. | 0.2 | 0 |
| 42 | Determination of the Solubility of Rhabdophanes $\text{LnPO}_4 \cdot 0.667\text{H}_2\text{O}$ ($\text{Ln} = \text{La to Tm}$). <i>Journal of Nuclear Energy Part B: Nuclear Science and Technology</i> , 2016, 134, 1-10. | 1.0 | 47 |
| 43 | Preparation, characterization and sintering of yttrium-doped ThO_2 for oxygen sensors applications. <i>Journal of Alloys and Compounds</i> , 2016, 689, 374-382. | 2.8 | 19 |
| 44 | The effect of the synthesis route of monazite precursors on the microstructure of sintered pellets. <i>Progress in Nuclear Energy</i> , 2016, 92, 298-305. | 1.3 | 17 |
| 45 | Energetics of a Uranothorite $(\text{Th}_{1-x}\text{U}_x\text{SiO}_4)$ Solid Solution. <i>Chemistry of Materials</i> , 2016, 28, 7117-7124. | 3.2 | 31 |
| 46 | Incorporation of Thorium in the Zircon Structure Type through the $\text{Th}_{1-x}\text{Er}_x(\text{SiO}_4)_2$ Thorite-Xenotime Solid Solution. <i>Inorganic Chemistry</i> , 2016, 55, 11273-11282. | 1.8 | 18 |
| 47 | Charged defects during alpha-irradiation of actinide oxides as revealed by Raman and luminescence spectroscopy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016, 374, 67-70. | 0.6 | 26 |
| 48 | Vibrational spectroscopy of synthetic analogues of ankoleite, chernikovite and intermediate solid solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 156, 143-150. | 2.0 | 21 |
| 49 | From <i>in situ</i> HT-ESEM Observations to Simulation: How Does Polycrystallinity Affects the Sintering of CeO_2 Microspheres?. <i>Journal of Physical Chemistry C</i> , 2016, 120, 386-395. | 1.5 | 27 |
| 50 | First experimental determination of the solubility constant of coffinite. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 181, 36-53. | 1.6 | 35 |
| 51 | Thermodynamics of formation of coffinite, USiO_4 . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6551-6555. | 3.3 | 72 |
| 52 | Catalytic dissolution of ceria-lanthanide mixed oxides provides environmentally friendly partitioning of lanthanides and platinum. <i>Hydrometallurgy</i> , 2015, 151, 107-115. | 1.8 | 10 |
| 53 | An original precipitation route toward the preparation and the sintering of highly reactive uranium cerium dioxide powders. <i>Journal of Nuclear Materials</i> , 2015, 462, 173-181. | 1.3 | 25 |
| 54 | Coffinite, USiO_4 , Is Abundant in Nature: So Why Is It So Difficult To Synthesize?. <i>Inorganic Chemistry</i> , 2015, 54, 6687-6696. | 1.9 | 38 |

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|----|--|-----|-----------|
| 55 | From uranium(IV) oxalate to sintered UO ₂ : Consequences of the powders' thermal history on the microstructure. Journal of the European Ceramic Society, 2015, 35, 4535-4546. | 2.8 | 25 |
| 56 | In situ HT-ESEM study of crystallites growth within CeO ₂ microspheres. Ceramics International, 2015, 41, 14703-14711. | 2.3 | 18 |
| 57 | Dissolution of Th ¹ UO ₂ : Effects of chemical composition and microstructure. Journal of Nuclear Materials, 2015, 457, 304-316. | 1.3 | 35 |
| 58 | Effect of hydration and thermal treatment on ceria surface using non-intrusive techniques. Journal of Nuclear Materials, 2014, 444, 359-367. | 1.3 | 8 |
| 59 | High-temperature behavior of cesium molybdate Cs ₂ MoO ₄ : Implications for fast neutron reactors. Journal of Solid State Chemistry, 2014, 215, 225-230. | 1.4 | 22 |
| 60 | Chemical and mineralogical modifications of simplified radioactive waste calcine during heat treatment. Journal of Nuclear Materials, 2014, 448, 8-19. | 1.3 | 8 |
| 61 | From thorite to coffinite: A spectroscopic study of Th ¹ U _x SiO ₄ solid solutions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 302-307. | 2.0 | 29 |
| 62 | Dissolution of uranium mixed oxides: The role of oxygen vacancies vs the redox reactions. Progress in Nuclear Energy, 2014, 72, 101-106. | 1.3 | 16 |
| 63 | Environmental SEM monitoring of Ce _{1-x} Ln _x O ₂ mixed-oxide microstructural evolution during dissolution. Journal of Materials Chemistry A, 2014, 2, 5193-5203. | 5.2 | 52 |
| 64 | Monoclinic Form of the Rhabdophane Compounds: REEPO ₄ ·0.667H ₂ O. Crystal Growth and Design, 2014, 14, 5090-5098. | 1.4 | 61 |
| 65 | Preparation and characterisation of uranium oxides with spherical shapes and hierarchical structures. CrystEngComm, 2014, 16, 6944-6954. | 1.3 | 30 |
| 66 | Dilatometric study of U ¹ Am _x O ₂ and U ¹ Ce _x O ₂ reactive sintering. Journal of Nuclear Materials, 2013, 441, 40-46. | 1.3 | 18 |
| 67 | Purification of uranothorite solid solutions from polyphase systems. Journal of Nuclear Materials, 2013, 441, 73-83. | 1.3 | 17 |
| 68 | Solubility properties of synthetic and natural meta-torbernite. Journal of Nuclear Materials, 2013, 442, 195-207. | 1.3 | 23 |
| 69 | From Uranothorites to Coffinite: A Solid Solution Route to the Thermodynamic Properties of U ₄ SiO ₄ . Inorganic Chemistry, 2013, 52, 6957-6968. | 1.9 | 33 |
| 70 | Versatile Monazite: Resolving geological records and solving challenges in materials science: Monazite as a promising long-term radioactive waste matrix: Benefits of high-structural flexibility and chemical durability. American Mineralogist, 2013, 98, 833-847. | 0.9 | 151 |
| 71 | Combining in situ HT-ESEM observations and dilatometry: An original and fast way to the sintering map of ThO ₂ . Materials Chemistry and Physics, 2013, 137, 742-749. | 2.0 | 32 |
| 72 | The Flexible Ba ₇ UM ₂ S _{12.5} O _{0.5} (M = V, Fe) Compounds: Syntheses, Structures and Spectroscopic, Resistivity, and Electronic Properties. Inorganic Chemistry, 2013, 52, 12057-12063. | 1.9 | 9 |

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|----|---|-----|-----------|
| 73 | Kinetics of Structural and Microstructural Changes at the Solid/Solution Interface during Dissolution of Cerium(IV)–Neodymium(III) Oxides. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12027-12037. | 1.5 | 16 |
| 74 | <i>In Situ</i> HT–ESEM Observation of CeO_2 Grain Growth During Sintering. <i>Journal of the American Ceramic Society</i> , 2012, 95, 3683-3690. | 1.9 | 24 |
| 75 | Catalytic dissolution of ceria under mild conditions. <i>Journal of Materials Chemistry</i> , 2012, 22, 14734. | 6.7 | 29 |
| 76 | Triclinic–Cubic Phase Transition and Negative Expansion in the Actinide IV (Th, U, Np, Pu) Diphosphates. <i>Inorganic Chemistry</i> , 2012, 51, 4314-4322. | 1.9 | 27 |
| 77 | Synthesis and characterization of $\text{Th}_{1-x}\text{Ln}_x\text{O}_2$ mixed-oxides. <i>Materials Research Bulletin</i> , 2012, 47, 4017-4025. | 2.7 | 51 |
| 78 | Dissolution of Cerium(IV)–Lanthanide(III) Oxides: Comparative Effect of Chemical Composition, Temperature, and Acidity. <i>Inorganic Chemistry</i> , 2012, 51, 3868-3878. | 1.9 | 44 |
| 79 | Multiparametric study of $\text{Th}_{1-x}\text{Ln}_x\text{O}_2$ mixed oxides dissolution in nitric acid media. <i>Journal of Nuclear Materials</i> , 2012, 429, 237-244. | 1.3 | 22 |
| 80 | Preparation and characterization of synthetic $\text{Th}_{0.5}\text{U}_{0.5}\text{SiO}_4$ uranothorite. <i>Progress in Nuclear Energy</i> , 2012, 57, 155-160. | 1.3 | 27 |
| 81 | Dynamic aspects of cerium dioxide sintering: HT-ESEM study of grain growth and pore elimination. <i>Journal of the European Ceramic Society</i> , 2012, 32, 353-362. | 2.8 | 26 |
| 82 | Calcined resin microsphere pelletization (CRMP): A novel process for sintered metallic oxide pellets. <i>Journal of the European Ceramic Society</i> , 2012, 32, 3199-3209. | 2.8 | 37 |
| 83 | Multiparametric Dissolution of Thorium–Cerium Dioxide Solid Solutions. <i>Inorganic Chemistry</i> , 2011, 50, 11702-11714. | 1.9 | 65 |
| 84 | Stability and Structural Evolution of $\text{Ce}^{\text{IV}}_{1-x}\text{Ln}^{\text{III}}_x\text{O}_2$ Solid Solutions: A Coupled $\frac{1}{4}$ -Raman/XRD Approach. <i>Inorganic Chemistry</i> , 2011, 50, 7150-7161. | 1.9 | 109 |
| 85 | Influence of Crystallization State and Microstructure on the Chemical Durability of Cerium–Neodymium Mixed Oxides. <i>Inorganic Chemistry</i> , 2011, 50, 9059-9072. | 1.9 | 60 |
| 86 | How To Explain the Difficulties in the Coffinite Synthesis from the Study of Uranothorite?. <i>Inorganic Chemistry</i> , 2011, 50, 11117-11126. | 1.9 | 33 |
| 87 | Negative thermal expansion in $\text{Th}_2\text{O}(\text{PO}_4)_2$. <i>Materials Research Bulletin</i> , 2011, 46, 1777-1780. | 2.7 | 14 |
| 88 | Occurrence of an Octanuclear Motif of Uranyl Isophthalate with Cation–Cation Interactions through Edge-Sharing Connection Mode. <i>Inorganic Chemistry</i> , 2011, 50, 6243-6249. | 1.9 | 89 |
| 89 | Tetrameric entity resulting from two distinct dinuclear uranyl-centered motifs bridged through $\frac{1}{2}$ -OH and pyridazine-3,6-dicarboxylate. <i>Inorganic Chemistry Communication</i> , 2011, 14, 429-432. | 1.8 | 24 |
| 90 | Crystal chemistry of the monazite structure. <i>Journal of the European Ceramic Society</i> , 2011, 31, 941-976. | 2.8 | 318 |

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|-----|---|-----|-----------|
| 91 | Preparation of morphology controlled Th _{1-x} U _x O ₂ sintered pellets from low-temperature precursors. Powder Technology, 2011, 208, 454-460. | 2.1 | 54 |
| 92 | Kinetics of dissolution of thorium and uranium doped britholite ceramics. Journal of Nuclear Materials, 2010, 404, 33-43. | 1.3 | 37 |
| 93 | X-Ray Diffraction and ¹ / ₄ -Raman Investigation of the Monoclinic-Orthorhombic Phase Transition in Th ₂ U(C ₂ O ₄) ₂ ·2H ₂ O Solid Solutions. Inorganic Chemistry, 2010, 49, 1921-1931. | | 60 |
| 94 | Preparation, sintering and leaching of optimized uranium thorium dioxides. Journal of Nuclear Materials, 2009, 385, 400-406. | 1.3 | 55 |
| 95 | Synthesis and characterization of coffinite. Journal of Nuclear Materials, 2009, 393, 449-458. | 1.3 | 46 |
| 96 | Synthesis, Raman and Rietveld analysis of thorium diphosphate. Journal of Solid State Chemistry, 2008, 181, 3352-3356. | 1.4 | 25 |
| 97 | Preparation of Optimized Uranium and Thorium Bearing Brabantite or Monazite/Brabantite Solid Solutions. Journal of the American Ceramic Society, 2008, 91, 3673-3682. | 1.9 | 50 |
| 98 | Comparative Behavior of Britholites and Monazite/Brabantite Solid Solutions during Leaching Tests: A Combined Experimental and DFT Approach. Inorganic Chemistry, 2008, 47, 10971-10979. | 1.9 | 56 |
| 99 | Hydrothermal Method of Preparation of Actinide(IV) Phosphate Hydrogenphosphate Hydrates and Study of Their Conversion into Actinide(IV) Phosphate Diphosphate Solid Solutions. Inorganic Chemistry, 2007, 46, 10390-10399. | 1.9 | 15 |
| 100 | Actinide solubility-controlling phases during the dissolution of phosphate ceramics. Journal of Nuclear Materials, 2007, 362, 451-458. | 1.3 | 80 |
| 101 | Crystal structures of Th(OH)PO ₄ , U(OH)PO ₄ and Th ₂ O(PO ₄) ₂ . Condensation mechanism of MIV(OH)PO ₄ (M=Th, U) into M ₂ O(PO ₄) ₂ . Solid State Sciences, 2007, 9, 619-627. | 1.5 | 41 |
| 102 | Synthesis, Characterization, Sintering, and Leaching of ¹ / ₂ -TUPD/Monazite Radwaste Matrices. Inorganic Chemistry, 2006, 45, 220-229. | 1.9 | 75 |
| 103 | Behavior of thorium-uranium (IV) phosphate-diphosphate sintered samples during leaching tests. Part I Kinetic study. Journal of Nuclear Materials, 2006, 349, 291-303. | 1.3 | 52 |
| 104 | Behavior of thorium-uranium (IV) phosphate-diphosphate sintered samples during leaching tests. Part II. Saturation processes. Journal of Nuclear Materials, 2006, 349, 304-316. | 1.3 | 50 |
| 105 | Improvement of the preparation of sintered pellets of thorium phosphate-diphosphate and associated solid solutions from crystallized precursors. Journal of Nuclear Materials, 2006, 352, 209-216. | 1.3 | 22 |
| 106 | From thorium phosphate hydrogenphosphate hydrate to ¹ / ₂ -thorium phosphate diphosphate: Structural evolution to a radwaste storage ceramic. Journal of Solid State Chemistry, 2006, 179, 3007-3016. | 1.4 | 17 |
| 107 | Investigation in thorium phosphate by NMR II-phosphorus dipolar networks. Solid State Nuclear Magnetic Resonance, 2006, 29, 294-304. | 1.5 | 5 |
| 108 | Investigation in hydrated thorium phosphates by NMR I-relation proton phosphorus. Solid State Nuclear Magnetic Resonance, 2006, 30, 29-44. | 1.5 | 0 |

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|-----|--|-----|-----------|
| 109 | Kinetic and Thermodynamic Study of the Chemistry of Neoformed Phases during the Dissolution of Phosphate Based Ceramics. Materials Research Society Symposia Proceedings, 2006, 985, 1. | 0.1 | 0 |
| 110 | Separation of uranium(VI) from tri- and tetravalent elements in phosphoric acid solutions. Radiochimica Acta, 2006, 94, . | 0.5 | 0 |
| 111 | Hydrothermal Methods as a New Way of Actinide Phosphate Preparation. Materials Research Society Symposia Proceedings, 2006, 985, 1. | 0.1 | 2 |
| 112 | Characterization of the thorium phosphate-hydrogenphosphate hydrate (TPHPH) and study of its transformation into the thorium phosphate-diphosphate (U^{2+} -TPD). Materials Research Bulletin, 2005, 40, 2225-2242. | 2.7 | 43 |
| 113 | Synthesis and characterization of uranium (IV) phosphate-hydrogenphosphate hydrate and cerium (IV) phosphate-hydrogenphosphate hydrate. Journal of Solid State Chemistry, 2005, 178, 1054-1063. | 1.4 | 39 |
| 114 | Synthesis and characterization of low-temperature precursors of thorium-uranium (IV) phosphate-diphosphate solid solutions. Journal of Nuclear Materials, 2004, 335, 397-409. | 1.3 | 21 |
| 115 | Immobilisation of actinides in phosphate matrices. Comptes Rendus Chimie, 2004, 7, 1141-1152. | 0.2 | 107 |
| 116 | Sintering of ^{232}Th - ^{238}U Phosphate-Diphosphate Solid Solutions from Low-Temperature Precursors. Chemistry of Materials, 2004, 16, 3357-3366. | 3.2 | 31 |
| 117 | Preparation and characterization of lanthanum-gadolinium monazites as ceramics for radioactive waste storage. New Journal of Chemistry, 2003, 27, 957-967. | 1.4 | 142 |
| 118 | Study of Actinides Incorporation in Thorium Phosphate-Diphosphate/Monazite Based Ceramics. Materials Research Society Symposia Proceedings, 2003, 802, 111. | 0.1 | 2 |