

Francois Chevire

List of Publications by Year in descending order

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1938
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | P-Type Nitrogen-Doped ZnO Nanoparticles Stable under Ambient Conditions. Journal of the American Chemical Society, 2012, 134, 464-470. | 13.7 | 115 |
| 2 | Optical Properties of the Perovskite Solid Solution $\text{LaTiO}_2\text{N}\hat{a}\text{A}\text{TiO}_3$ (A = Sr, Ba). European Journal of Inorganic Chemistry, 2006, 2006, 1223-1230. | 2.0 | 74 |
| 3 | Titanium and vanadium oxynitride powders as pseudo-capacitive materials for electrochemical capacitors. Electrochimica Acta, 2012, 82, 257-262. | 5.2 | 69 |
| 4 | Glass foams for environmental applications. Journal of Non-Crystalline Solids, 2010, 356, 2562-2568. | 3.1 | 63 |
| 5 | Optical properties of oxynitride powders. Journal of the Ceramic Society of Japan, 2009, 117, 1-5. | 1.1 | 61 |
| 6 | Thermal Ammonolysis Study of the Rare-Earth Tantalates RTaO_4 . Chemistry of Materials, 2005, 17, 152-156. | 6.7 | 58 |
| 7 | Thermochemistry of a New Class of Materials Containing Dinitrogen Pairs in an Oxide Matrix. Chemistry of Materials, 2005, 17, 3570-3574. | 6.7 | 52 |
| 8 | Eu^{2+} and Mn^{2+} codoped $\text{Ba}_2\text{Mg}(\text{BO}_3)_2$ new red phosphor for white LEDs. Optics Letters, 2008, 33, 2865. | 3.3 | 49 |
| 9 | Impact of Coinage Metal Insertion on the Thermoelectric Properties of GeTe Solid-State Solutions. Journal of Physical Chemistry C, 2018, 122, 227-235. | 3.1 | 49 |
| 10 | Lanthanum titanate ceramics: Electrical characterizations in large temperature and frequency ranges. Journal of the European Ceramic Society, 2005, 25, 2085-2088. | 5.7 | 38 |
| 11 | UV absorption properties of ceria-modified compositions within the fluorite-type solid solution $\text{CeO}_2\hat{a}\text{Y}_6\text{WO}_{12}$. Journal of Solid State Chemistry, 2006, 179, 3184-3190. | 2.9 | 38 |
| 12 | Photophysical Properties of SrTaO_{2N} Thin Films and Influence of Anion Ordering: A Joint Theoretical and Experimental Investigation. Chemistry of Materials, 2017, 29, 3989-3998. | 6.7 | 37 |
| 13 | Mid-infrared hollow core fiber drawn from a 3D printed chalcogenide glass preform. Optical Materials Express, 2021, 11, 198. | 3.0 | 37 |
| 14 | Tb^{3+} doped $\text{Ga}_{5-x}\text{Ge}_{20-x}\text{Sb}_{10-x}\text{Se}_{65-x}\text{Te}_x$ ($x = 0-375$) chalcogenide glasses and fibers for MWIR and LWIR emissions. Optical Materials Express, 2018, 8, 2887. | 3.0 | 36 |
| 15 | Oxynitride perovskite LaTiO_xNy thin films deposited by reactive sputtering. Progress in Solid State Chemistry, 2007, 35, 299-308. | 7.2 | 35 |
| 16 | Reactive Sputtering Deposition of Perovskite Oxide and Oxynitride Lanthanum Titanium Films: Structural and Dielectric Characterization. Crystal Growth and Design, 2013, 13, 4852-4858. | 3.0 | 33 |
| 17 | Combustion synthesis and up-conversion luminescence of $\text{La}_2\text{O}_2\text{S}:\text{Er}^{3+}, \text{Yb}^{3+}$ nanophosphors. Journal of Solid State Chemistry, 2015, 226, 255-261. | 2.9 | 32 |
| 18 | Effect of the Processing Route on the Thermoelectric Performance of Nanostructured $\text{CuPb}_{18}\text{SbTe}_{20}$. Inorganic Chemistry, 2018, 57, 12976-12986. | 4.0 | 29 |

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|----|---|-----|-----------|
| 19 | Thermoelectric Properties of Highly-Crystallized Ge-Te-Se Glasses Doped with Cu/Bi. <i>Materials</i> , 2017, 10, 328. | 2.9 | 26 |
| 20 | Tunability of the optical properties in the Y ₆ (W,Mo)(O,N) ₁₂ system. <i>Solid State Sciences</i> , 2009, 11, 533-536. | 3.2 | 23 |
| 21 | Enhancement in thermoelectric performance of n-type Pb-deficit Pb-Sb-Te alloys. <i>Journal of Alloys and Compounds</i> , 2017, 729, 198-202. | 5.5 | 23 |
| 22 | Powder preparation and UV absorption properties of selected compositions in the CeO ₂ -Y ₂ O ₃ system. <i>Journal of Solid State Chemistry</i> , 2008, 181, 1204-1212. | 2.9 | 21 |
| 23 | Synthesis of Ni-poor NiO nanoparticles for p-DSSC applications. <i>Solid State Sciences</i> , 2016, 54, 37-42. | 3.2 | 21 |
| 24 | Radial gradient refractive index (GRIN) infrared lens based on spatially resolved crystallization of chalcogenide glass. <i>Optical Materials Express</i> , 2020, 10, 860. | 3.0 | 21 |
| 25 | New scheelite-type oxynitrides in systems RWO ₃ N _{1-x} AWO ₄ (R = rare-earth element; A = Ca, Sr) from precursors obtained by the citrate route. <i>Materials Research Bulletin</i> , 2004, 39, 1091-1101. | 5.2 | 20 |
| 26 | New insights in structural characterization of transparent ZnS ceramics hot-pressed from nanocrystalline powders synthesized by combustion method. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3094-3102. | 5.7 | 20 |
| 27 | Hybrid Flash-SPS of TiNiCu _{0.05} Sn with reduced thermal conductivity. <i>Journal of Alloys and Compounds</i> , 2020, 837, 155058. | 5.5 | 20 |
| 28 | Preparation of nitrogen doped zinc oxide nanoparticles and thin films by colloidal route and low temperature nitridation process. <i>Solid State Sciences</i> , 2016, 54, 30-36. | 3.2 | 19 |
| 29 | Perovskite (Sr ₂ Ta ₂ O ₇) _{100-x} (La ₂ Ti ₂ O ₇) _x ceramics: From dielectric characterization to dielectric resonator antenna applications. <i>Journal of Alloys and Compounds</i> , 2021, 872, 159728. | 5.5 | 19 |
| 30 | Synthesis and characterization of tin containing molybdophosphate and tungstophosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 87-92. | 3.1 | 18 |
| 31 | Preparation of niobium based oxynitride nanosheets by exfoliation of Ruddlesden-Popper phase precursor. <i>Solid State Sciences</i> , 2016, 54, 17-21. | 3.2 | 18 |
| 32 | Unravelling the origin of the giant Zn deficiency in wurtzite type ZnO nanoparticles. <i>Scientific Reports</i> , 2015, 5, 12914. | 3.3 | 17 |
| 33 | Photoluminescence of Eu ²⁺ -Doped Strontium Cyanamide: A Novel Host Lattice for Eu ²⁺ . <i>Journal of the American Ceramic Society</i> , 2010, 93, 3052-3055. | 3.8 | 16 |
| 34 | Lanthanum titanium perovskite compound: Thin film deposition and high frequency dielectric characterization. <i>Thin Solid Films</i> , 2014, 553, 76-80. | 1.8 | 14 |
| 35 | Novel color-tunable Gd ₂ O ₂ CN ₂ :Tb ³⁺ , Eu ³⁺ phosphors: Characterization and photoluminescence properties. <i>Ceramics International</i> , 2016, 42, 12508-12511. | 4.8 | 14 |
| 36 | Experimental and Theoretical Evidences of p-Type Conductivity in Nickel Carbodiimide Nanoparticles with a Delafossite Structure Type. <i>Inorganic Chemistry</i> , 2017, 56, 7922-7927. | 4.0 | 14 |

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|----|---|------|-----------|
| 37 | Ferroelectricity and high tunability in novel strontium and tantalum based layered perovskite materials. Journal of the European Ceramic Society, 2018, 38, 2526-2533. | 5.7 | 14 |
| 38 | Selective CO2 reduction into formate using Ln ³⁺ Ta oxynitrides combined with a binuclear Ru(II) complex under visible light. Journal of Energy Chemistry, 2021, 55, 176-182. | 12.9 | 14 |
| 39 | Characterization of Nd ₂ AlO ₃ N and Sm ₂ AlO ₃ N oxynitrides synthesized by carbothermal reduction and nitridation. Journal of Alloys and Compounds, 2011, 509, 5839-5842. | 5.5 | 13 |
| 40 | A new ternary nitride La ₂ GaN ₃ : Synthesis and crystal structure. Journal of Alloys and Compounds, 2008, 457, 372-375. | 5.5 | 12 |
| 41 | Growth of (Sr,La)-(Ta,Ti)-O-N perovskite oxide and oxynitride films by radio frequency magnetron sputtering: Influence of the reactive atmosphere on the film structure. Journal of Crystal Growth, 2015, 413, 5-11. | 1.5 | 12 |
| 42 | Ferroelectric and dielectric study of strontium tantalum based perovskite oxynitride films deposited by reactive rf magnetron sputtering. Materials Research Bulletin, 2017, 96, 126-132. | 5.2 | 12 |
| 43 | Investigation on Chalcogenide Glass Additive Manufacturing for Shaping Mid-infrared Optical Components and Microstructured Optical Fibers. Crystals, 2021, 11, 228. | 2.2 | 12 |
| 44 | Mechanochemical synthesis and structural characterization of gallium sulfide Ga ₂ S ₃ . Journal of Solid State Chemistry, 2020, 292, 121743. | 2.9 | 9 |
| 45 | Synthesis, crystal and electronic structures of La ₃ Cr ₂ N ₆ . Solid State Communications, 2009, 149, 273-276. | 1.9 | 8 |
| 46 | Luminescent properties of novel red-emitting phosphor: Gd ₂ O ₂ CN ₂ :Eu ³⁺ . Optical Materials Express, 2015, 5, 2616. | 3.0 | 8 |
| 47 | Synthesis and photoluminescence properties of Mn ²⁺ doped Ca _{1-x} Sr _x CN ₂ phosphors prepared by a carbon nitride based route. Journal of Solid State Chemistry, 2021, 300, 122240. | 2.9 | 8 |
| 48 | Study of the R ³⁺ (Zr,W) ²⁺ (O,N) (R=Y, Nd, Sm, Gd, Yb) oxynitride system. Materials Research Bulletin, 2010, 45, 97-102. | 5.2 | 7 |
| 49 | Dielectric oxynitride LaTiO _x N _y thin films deposited by reactive radio-frequency sputtering. Thin Solid Films, 2012, 520, 4536-4540. | 1.8 | 7 |
| 50 | Influence of the sputtering reactive gas on the oxide and oxynitride LaTiON deposition by RF magnetron sputtering. Applied Surface Science, 2013, 264, 533-537. | 6.1 | 7 |
| 51 | Preparation and optical characteristics of novel oxynitride phases in the R ₃ (Ta/Nb) ²⁺ O ²⁻ N system (R=La, Y, Er, Tm, Yb, Lu). Journal of Solid State Chemistry, 2011, 285, 107-114. | 3.2 | 6 |
| 52 | Deposition and dielectric characterization of strontium and tantalum-based oxide and oxynitride perovskite thin films. Solid State Sciences, 2016, 54, 22-29. | 3.2 | 6 |
| 53 | Deposition and dielectric study as function of thickness of perovskite oxynitride SrTaO ₂ N thin films elaborated by reactive sputtering. Surface and Coatings Technology, 2017, 324, 607-613. | 4.8 | 6 |
| 54 | Theoretical-experimental evaluation of the photocatalytic activity of KCa ₂ Ta ₃ xNb _x O ₁₀ . Materials Letters, 2019, 253, 392-395. | 2.6 | 6 |

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|----|--|------|-----------|
| 55 | Transesterification of vegetable oils by AlPO _x N _y heterogeneous catalysts. Applied Catalysis B: Environmental, 2016, 185, 253-264. | 20.2 | 5 |
| 56 | Preparation and Photoluminescence Properties of Eu ²⁺ -Doped Oxyapatite-Type Sr _x La _{10-x} (SiO ₄) ₆ O _{3x/2} . Chinese Physics Letters, 2011, 28, 014209. | 3.3 | 4 |
| 57 | Impact of Nanostructuring on the Chemical Composition of Nickel Oxide Nanoparticles. Inorganic Chemistry, 2019, 58, 15004-15007. | 4.0 | 4 |
| 58 | Effect of cationic substitutions on the photoluminescence properties of Eu ²⁺ doped SrCN ₂ prepared by a facile C ₃ N ₄ based synthetic approach. Journal of the European Ceramic Society, 2020, 40, 6316-6321. | 5.7 | 4 |
| 59 | Formation of Molybdenum Nitrides by Ammonia Nitridation of Mo Powder and Sheet. Defect and Diffusion Forum, 2001, 194-199, 1607-1612. | 0.4 | 3 |
| 60 | Miniaturized notch antenna based on lanthanum titanium perovskite oxide thin films. Thin Solid Films, 2014, 563, 36-39. | 1.8 | 3 |
| 61 | Thermal oxidation of oxynitride films as a strategy to achieve (Sr ₂ Ta ₂ O ₇) _{100-x} (La ₂ Ti ₂ O ₇) _x based oxide perovskite films with x = 1.65. Journal of the European Ceramic Society, 2020, 40, 6293-6300. | 5.7 | 3 |
| 62 | Na ₂ ZnGe. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, i62-i63. | 0.2 | 2 |
| 63 | Structural and photoelectrochemical properties of SrTaO ₂ N oxynitride thin films deposited by reactive magnetron sputtering. Journal of the European Ceramic Society, 2020, 40, 6301-6308. | 5.7 | 2 |
| 64 | Synthesis and photoluminescence properties of Mn ²⁺ doped ZnCN ₂ phosphors. Open Ceramics, 2021, 7, 100157. | 2.0 | 2 |
| 65 | Novel TaPO _{5-x} N _{2x/3} oxynitrides. Journal of Alloys and Compounds, 2012, 513, 530-538. | 5.5 | 1 |
| 66 | Effect of P/Bi substitution on optical and thermal properties of Ga-Ge-Se-Te glasses. Journal of Alloys and Compounds, 2020, 835, 155224. | 5.5 | 1 |
| 67 | Thermochemistry of a New Class of Materials Containing Dinitrogen Pairs in an Oxide Matrix.. ChemInform, 2005, 36, no. | 0.0 | 0 |
| 68 | Elaboration of chalcogenide microstructured optical fibers preform by 3D additive manufacturing. , 2021, , . | | 0 |
| 69 | Radial gradient refractive index from crystallized chalcogenide glass for infrared applications. , 2020, , . | | 0 |