

Francois Chevire

List of Publications by Year in descending order

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69
papers

1,451
citations

331670

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361022

35
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73
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docs citations

73
times ranked

1938
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective CO ₂ reduction into formate using Ln ^{III} Ta oxynitrides combined with a binuclear Ru(II) complex under visible light. <i>Journal of Energy Chemistry</i> , 2021, 55, 176-182.	12.9	14
2	Investigation on Chalcogenide Glass Additive Manufacturing for Shaping Mid-infrared Optical Components and Microstructured Optical Fibers. <i>Crystals</i> , 2021, 11, 228.	2.2	12
3	Elaboration of chalcogenide microstructured optical fibers preform by 3D additive manufacturing. , 2021, , .		0
4	Synthesis and photoluminescence properties of Mn ²⁺ doped Ca _{1-x} Sr _x CN ₂ phosphors prepared by a carbon nitride based route. <i>Journal of Solid State Chemistry</i> , 2021, 300, 122240.	2.9	8
5	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
6	Synthesis and photoluminescence properties of Mn ²⁺ doped ZnCN ₂ phosphors. <i>Open Ceramics</i> , 2021, 7, 100157.	2.0	2
7	Mid-infrared hollow core fiber drawn from a 3D printed chalcogenide glass preform. <i>Optical Materials Express</i> , 2021, 11, 198.	3.0	37
8	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. <i>Journal of the European Ceramic Society</i> , 2020, 40, 6316-6321.	5.7	4
9	Mechanochemical synthesis and structural characterization of gallium sulfide Ga ₂ S ₃ . <i>Journal of Solid State Chemistry</i> , 2020, 292, 121743.	2.9	9
10	Effect of P/Bi substitution on optical and thermal properties of Ga-Ge-Se-Te glasses. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155224.	5.5	1
11	Structural and photoelectrochemical properties of SrTaO ₂ N oxynitride thin films deposited by reactive magnetron sputtering. <i>Journal of the European Ceramic Society</i> , 2020, 40, 6301-6308.	5.7	2
12	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. <i>Journal of the European Ceramic Society</i> , 2020, 40, 6293-6300.	5.7	3
13	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
14	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
15	Radial gradient refractive index from crystallized chalcogenide glass for infrared applications. , 2020, , .		0
16	Theoretical-experimental evaluation of the photocatalytic activity of KCa ₂ Ta ₃ â ^x Nb _x O ₁₀ . <i>Materials Letters</i> , 2019, 253, 392-395.	2.6	6
17	Impact of Nanostructuring on the Chemical Composition of Nickel Oxide Nanoparticles. <i>Inorganic Chemistry</i> , 2019, 58, 15004-15007.	4.0	4
18	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

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19	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
20	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
21	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
22	Tb^{3+} doped $\text{Ga}_{5}\text{Ge}_{20}\text{Sb}_{10}\text{Se}_{65-x}\text{Te}_x$ ($x = 0-375$) chalcogenide glasses and fibers for MWIR and LWIR emissions. Optical Materials Express, 2018, 8, 2887.	3.0	36
23	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
24	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
25	Deposition and dielectric study as function of thickness of perovskite oxynitride SrTaO_2N thin films elaborated by reactive sputtering. Surface and Coatings Technology, 2017, 324, 607-613.	4.8	6
26	Enhancement in thermoelectric performance of n-type Pb-deficit Pb-Sb-Te alloys. Journal of Alloys and Compounds, 2017, 729, 198-202.	5.5	23
27	Experimental and Theoretical Evidences of p-Type Conductivity in Nickel Carbodiimide Nanoparticles with a Delafossite Structure Type. Inorganic Chemistry, 2017, 56, 7922-7927.	4.0	14
28	Thermoelectric Properties of Highly-Crystallized Ge-Te-Se Glasses Doped with Cu/Bi. Materials, 2017, 10, 328.	2.9	26
29	Novel color-tunable $\text{Gd}_2\text{O}_2\text{CN}_2:\text{Tb}^{3+}$, Eu^{3+} phosphors: Characterization and photoluminescence properties. Ceramics International, 2016, 42, 12508-12511.	4.8	14
30	Preparation of niobium based oxynitride nanosheets by exfoliation of Ruddlesden-Popper phase precursor. Solid State Sciences, 2016, 54, 17-21.	3.2	18
31	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
32	Transesterification of vegetable oils by AlPO_xNy heterogeneous catalysts. Applied Catalysis B: Environmental, 2016, 185, 253-264.	20.2	5
33	Preparation of nitrogen doped zinc oxide nanoparticles and thin films by colloidal route and low temperature nitridation process. Solid State Sciences, 2016, 54, 30-36.	3.2	19
34	Synthesis of Ni-poor NiO nanoparticles for p-DSSC applications. Solid State Sciences, 2016, 54, 37-42.	3.2	21
35	Unravelling the origin of the giant Zn deficiency in wurtzite type ZnO nanoparticles. Scientific Reports, 2015, 5, 12914.	3.3	17
36	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

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37	Luminescent properties of novel red-emitting phosphor: Gd ₂ O ₃ :2Eu ³⁺ . Optical Materials Express, 2015, 5, 2616.	3.0	8
38	Growth of (Sr,Lu)-(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
39	Miniaturized notch antenna based on lanthanum titanium perovskite oxide thin films. Thin Solid Films, 2014, 563, 36-39.	1.8	3
40	Lanthanum titanium perovskite compound: Thin film deposition and high frequency dielectric characterization. Thin Solid Films, 2014, 553, 76-80.	1.8	14
41	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
42	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
43	Novel TaPO ₅ ·xN ₂ /3 oxynitrides. Journal of Alloys and Compounds, 2012, 513, 530-538.	5.5	1
44	P-Type Nitrogen-Doped ZnO Nanoparticles Stable under Ambient Conditions. Journal of the American Chemical Society, 2012, 134, 464-470.	13.7	115
45	Titanium and vanadium oxynitride powders as pseudo-capacitive materials for electrochemical capacitors. Electrochimica Acta, 2012, 82, 257-262.	5.2	69
46	Dielectric oxynitride LaTiOxNy thin films deposited by reactive radio-frequency sputtering. Thin Solid Films, 2012, 520, 4536-4540.	1.8	7
47	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
48	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
49	Preparation and optical characteristics of novel oxynitride phases in the R ₃ (Ta/Nb)O ₇ N system (R=La, Y). Journal of Applied Physics, 2010, 108, 073507.	3.2	16
50	Study of the R ₂ (Zr,W)O ₇ (O,N) (R=Y, Nd, Sm, Gd, Yb) oxynitride system. Materials Research Bulletin, 2010, 45, 97-102.	5.2	7
51	Photoluminescence of Eu ²⁺ -Doped Strontium Cyanamide: A Novel Host Lattice for Eu ²⁺ . Journal of the American Ceramic Society, 2010, 93, 3052-3055.	3.8	16
52	Synthesis and characterization of tin containing molybdophosphate and tungstophosphate glasses. Journal of Non-Crystalline Solids, 2010, 356, 87-92.	3.1	18
53	Glass foams for environmental applications. Journal of Non-Crystalline Solids, 2010, 356, 2562-2568.	3.1	63
54	Tunability of the optical properties in the Y ₆ (W,Mo)(O,N) ₁₂ system. Solid State Sciences, 2009, 11, 533-536.	3.2	23

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55	Synthesis, crystal and electronic structures of La ₃ Cr ₂ N ₆ . Solid State Communications, 2009, 149, 273-276.	1.9	8
56	Optical properties of oxynitride powders. Journal of the Ceramic Society of Japan, 2009, 117, 1-5.	1.1	61
57	Powder preparation and UV absorption properties of selected compositions in the CeO ₂ -Y ₂ O ₃ system. Journal of Solid State Chemistry, 2008, 181, 1204-1212.	2.9	21
58	A new ternary nitride La ₂ Ga ₃ N ₃ : Synthesis and crystal structure. Journal of Alloys and Compounds, 2008, 457, 372-375.	5.5	12
59	Eu ²⁺ and Mn ²⁺ codoped Ba ₂ Mg(BO ₃) ₂ new red phosphor for white LEDs. Optics Letters, 2008, 33, 2865.	3.3	49
60	Oxynitride perovskite LaTiO _x N _y thin films deposited by reactive sputtering. Progress in Solid State Chemistry, 2007, 35, 299-308.	7.2	35
61	Na ₂ ZnGe. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, i62-i63.	0.2	2
62	UV absorption properties of ceria-modified compositions within the fluorite-type solid solution CeO ₂ -Y ₆ WO ₁₂ . Journal of Solid State Chemistry, 2006, 179, 3184-3190.	2.9	38
63	Optical Properties of the Perovskite Solid Solution LaTiO ₂ N _x -ATiO ₃ (A = Sr, Ba). European Journal of Inorganic Chemistry, 2006, 2006, 1223-1230.	2.0	74
64	Lanthanum titanate ceramics: Electrical characterizations in large temperature and frequency ranges. Journal of the European Ceramic Society, 2005, 25, 2085-2088.	5.7	38
65	Thermochemistry of a New Class of Materials Containing Dinitrogen Pairs in an Oxide Matrix.. ChemInform, 2005, 36, no.	0.0	0
66	Thermochemistry of a New Class of Materials Containing Dinitrogen Pairs in an Oxide Matrix. Chemistry of Materials, 2005, 17, 3570-3574.	6.7	52
67	Thermal Ammonolysis Study of the Rare-Earth Tantalates RTaO ₄ . Chemistry of Materials, 2005, 17, 152-156.	6.7	58
68	New scheelite-type oxynitrides in systems RWO ₃ -AWO ₄ (R = rare-earth element; A = Ca, Sr) from precursors obtained by the citrate route. Materials Research Bulletin, 2004, 39, 1091-1101.	5.2	20
69	Formation of Molybdenum Nitrides by Ammonia Nitridation of Mo Powder and Sheet. Defect and Diffusion Forum, 2001, 194-199, 1607-1612.	0.4	3