

Frédéric Guinneton

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,313
citations

331670

21
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361022

35
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63
all docs

63
docs citations

63
times ranked

1326
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative study between nanocrystalline powder and thin film of vanadium dioxide VO ₂ : electrical and infrared properties. Journal of Physics and Chemistry of Solids, 2001, 62, 1229-1238.	4.0	124
2	Optimized infrared switching properties in thermochromic vanadium dioxide thin films: role of deposition process and microstructure. Thin Solid Films, 2004, 446, 287-295.	1.8	117
3	Preparation, characterization and photocatalytic degradation of Rhodamine B dye over a novel Zn ₃ (PO ₄) ₂ /BiPO ₄ catalyst. Journal of Environmental Chemical Engineering, 2019, 7, 103075.	6.7	89
4	Electronic band structure and visible-light photocatalytic activity of Bi ₂ WO ₆ : elucidating the effect of lutetium doping. RSC Advances, 2016, 6, 101105-101114.	3.6	57
5	Carbonatation and Decarbonation Kinetics in the La ₂ O ₃ -La ₂ O ₂ CO ₃ System under CO ₂ Gas Flows. Advances in Materials Science and Engineering, 2010, 2010, 1-6.	1.8	56
6	Novel Lu-doped Bi ₂ WO ₆ nanosheets: Synthesis, growth mechanisms and enhanced photocatalytic activity under UV-light irradiation. Ceramics International, 2016, 42, 8552-8558.	4.8	53
7	Synthesis and characterization of mesoporous geopolymer based on Moroccan kaolinite rich clay. Applied Clay Science, 2020, 196, 105764.	5.2	44
8	Role of surface defects and microstructure in infrared optical properties of thermochromic VO ₂ materials. Journal of Physics and Chemistry of Solids, 2005, 66, 63-73.	4.0	42
9	Chromium oxides thin films prepared and coated in situ with gold by pulsed laser deposition. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 118, 74-78.	3.5	42
10	Nanocrystalline vanadium dioxide: synthesis and mid-infrared properties. Optical Materials, 2000, 15, 111-114.	3.6	38
11	Thermochromic CeO ₂ /VO ₂ bilayers: Role of ceria coating in optical switching properties. Optical Materials, 2007, 30, 407-415.	3.6	38
12	VO ₂ thin films deposited on silicon substrates from V ₂ O ₅ target: Limits in optical switching properties and modeling. Thin Solid Films, 2008, 516, 891-897.	1.8	36
13	Enhanced photocatalytic activity of Zn ₃ (PO ₄) ₂ /ZnO composite semiconductor prepared by different methods. Chemical Physics Letters, 2021, 783, 139046.	2.6	32
14	Rietveld refinements, impedance spectroscopy and phase transition of the polycrystalline ZnMoO ₄ ceramics. Ceramics International, 2015, 41, 15193-15201.	4.8	28
15	From cerium oxycarbonate to nanostructured ceria: Relations between synthesis, thermal process and morphologies. Journal of Crystal Growth, 2008, 310, 3055-3061.	1.5	27
16	Electrodeposited zinc phosphate hydrate electrodes for electrocatalytic applications. Journal of Applied Electrochemistry, 2019, 49, 163-177.	2.9	25
17	Structural, vibrational and luminescence properties of the (1-x)CaWO ₄ -xCdWO ₄ system. Journal of Solid State Chemistry, 2014, 219, 127-137.	2.9	24
18	New thermochromic bilayers for optical or electronic switching systems. Thin Solid Films, 2004, 449, 166-172.	1.8	23

#	ARTICLE	IF	CITATIONS
19	Structural, vibrational and photoluminescence properties of Sr(1-x)PbxMoO4 solid solution synthesized by solid state reaction. Materials Research Bulletin, 2016, 79, 121-132.	5.2	22
20	Role of thermal decomposition process in the photocatalytic or photoluminescence properties of BiPO ₄ polymorphs. Water Environment Research, 2020, 92, 1874-1887.	2.7	22
21	PLD thin films obtained from CrO ₃ and Cr ₂ O ₃ targets. Applied Surface Science, 2005, 247, 139-144.	6.1	21
22	Influence of chemical substitution on the photoluminescence of Sr(1-x)PbWO ₄ solid solution. Journal of Solid State Chemistry, 2015, 227, 186-195.	2.9	21
23	Electrocatalytic properties of hydroxyapatite thin films electrodeposited on stainless steel substrates. Mediterranean Journal of Chemistry, 2017, 6, 255-266.	0.7	21
24	Photoelectrocatalytic degradation of rhodamine B pollutant with a novel zinc phosphate photoanode. Chemical Engineering Research and Design, 2021, 148, 200-209.	5.6	20
25	Pulsed laser deposition of thin films of various full Heusler alloys Co ₂ MnX (X=Si, Ga, Ge, Sn, Sb) at moderate temperature. Applied Surface Science, 2005, 247, 151-156.	6.1	19
26	Carbon nanotubes/ceria composite layers deposited on surface acoustic wave devices for gas detection at room temperature. Thin Solid Films, 2012, 520, 4786-4791.	1.8	19
27	Structural, vibrational study and UV photoluminescence properties of the system Bi ₂ (2-x)Lu _x WO ₆ (0.1 ≤ x ≤ 1). RSC Advances, 2015, 5, 96242-96252.	3.6	18
28	Heusler bulk materials as targets for pulsed laser deposition: growth and characterisation. Journal of Crystal Growth, 2005, 275, e1787-e1792.	1.5	17
29	Photodegradation under UV Light Irradiation of Various Types and Systems of Organic Pollutants in the Presence of a Performant BiPO ₄ Photocatalyst. Catalysts, 2022, 12, 691.	3.5	17
30	Photocatalytic and photoluminescence properties of CePO ₄ nanostructures prepared by coprecipitation method and thermal treatment. Optik, 2021, 238, 166683.	2.9	16
31	Microstructure and electrical properties of RuO ₂ -CeO ₂ composite thin films. Thin Solid Films, 2010, 518, 2801-2807.	1.8	15
32	Electron microscopy analyses and electrical properties of the layered Bi ₂ WO ₆ phase. Journal of Solid State Chemistry, 2013, 203, 8-18.	2.9	15
33	Role of the chemical substitution on the luminescence properties of solid solutions Ca(1-x)Cd(x)WO ₄ (0 ≤ x ≤ 1). Materials Research Bulletin, 2015, 70, 40-46.	5.2	15
34	Photoluminescence properties of CaWO ₄ and CdWO ₄ thin films deposited on SiO ₂ /Si substrates. Journal of Luminescence, 2019, 215, 116619.	3.1	14
35	Luminescent properties under X-ray excitation of Ba(1-x)Pb _x WO ₄ disordered solid solution. Journal of Solid State Chemistry, 2018, 258, 146-155.	2.9	13
36	Structural, microstructural and vibrational analyses of the monoclinic tungstate BiLuWO ₆ . Journal of Solid State Chemistry, 2014, 218, 124-130.	2.9	12

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55	Optimization of Cr ₈ O ₁₂ Targets for Pulsed Laser Deposition.. ChemInform, 2006, 37, no.	0.0	0
56	Full-Heusler Co-based alloys grown by pulsed laser ablation: structural, optical, and magnetic characterizations. , 2006, , .		0
57	Multifunctional rare earth or bismuth oxide materials for catalytic or electrical applications. MATEC Web of Conferences, 2013, 5, 01001.	0.2	0
58	Synthesis, characterization and luminescent properties of Sr _{1-x} Pb _x WO ₄ solid solution (x=0, 0.5 and 1). IOP Conference Series: Materials Science and Engineering, 2017, 186, 012024.	0.6	0
59	Effects of lutetium doping on the X-ray-excited luminescence properties of the tungstate Zn _{1-x} Lu _x WO ₄ . Research on Chemical Intermediates, 2017, 43, 885-899.	2.7	0
60	Structural, vibrational and luminescence properties of solid solution based on the (1-x/2) Ce ₂ (WO ₄) ₃ +x/2 Sm ₂ (WO ₄) ₃ system. Journal of Molecular Structure, 2022, , 133045.	3.6	0