FrÃ©dÃ©ric Guinneton

List of Publications by Year
in descending order

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60	1,313	331670	361022
papers	citations	21 h-index	35 g-index

63	63	63	1326
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural, vibrational and photoluminescence properties of samarium doped cobalt tungstates. Journal of Molecular Structure, 2022, 1254, 131983.	3.6	2
2	Structural, vibrational and luminescence properties of solid solution based on the (1-x/2) Ce2(WO4)3â€¯+â€¯(x/2) Sm2(WO4)3 system. Journal of Molecular Structure, 2022, , 133045.	3.6	0
3	High photocatalytic performance of bismuth phosphate and corresponding photodegradation mechanism of Rhodamine B. Research on Chemical Intermediates, 2022, 48, 3315-3334.	2.7	7
4	Photodegradation under UV Light Irradiation of Various Types and Systems of Organic Pollutants in the Presence of a Performant BiPO4 Photocatalyst. Catalysts, 2022, 12, 691.	3.5	17
5	Photoelectrocatalytic degradation of rhodamine B pollutant with a novel zinc phosphate photoanode. Chemical Engineering Research and Design, 2021, 148, 200-209.	5.6	20
6	Customized synthesis of functional bismuth phosphate using different methods: photocatalytic and photoluminescence properties enhancement. Nanotechnology for Environmental Engineering, 2021, 6, 1.	3.3	10
7	Photocatalytic and photoluminescence properties of CePO4 nanostructures prepared by coprecipitation method and thermal treatment. Optik, 2021, 238, 166683.	2.9	16
8	Phase Transformation, Photocatalytic and Photoluminescent Properties of BiPO4 Catalysts Prepared by Solid-State Reaction: Degradation of Rhodamine B. Minerals (Basel, Switzerland), 2021, 11, 1007.	2.0	7
9	Enhanced photocatalytic activity of Zn3(PO4)2/ZnO composite semiconductor prepared by different methods. Chemical Physics Letters, 2021, 783, 139046.	2.6	32
10	Physico-chemical characterization of clays from Assa-Zag for valorization in cationic dye methylene blue adsorption. Materials Today: Proceedings, 2020, 22, 22-27.	1.8	8
11	Synthesis, characterization and luminescence properties of manganese phosphate Mn3(PO4)2. Materials Today: Proceedings, 2020, 22, 16-21.	1.8	10
12	Ultrasound-assisted electro-oxidation of Methylene blue dye using new Zn3(PO4)2 based electrode prepared by electro-deposition. Materials Today: Proceedings, 2020, 22, 32-34.	1.8	12
13	Role of Chemical Substitution in the Photoluminescence Properties of Cerium Samarium Tungstates Ce(2â€“x)Smâ„(WOâ„„)â„ƒ (0 â‰¤ x â‰¤ 0.3). IEEE Transactions on Nuclear Science, 2020, 67, 568-574.	2.0	1
14	Synthesis and characterization of mesoporous geopolymer based on Moroccan kaolinite rich clay. Applied Clay Science, 2020, 196, 105764.	5.2	44
15	Photocatalytic and photoluminescent properties of a system based on SmPO4 nanostructure phase. Materials Today: Proceedings, 2020, 27, 3139-3144.	1.8	10
16	Role of thermal decomposition process in the photocatalytic or photoluminescence properties of BiPO₄ polymorphs. Water Environment Research, 2020, 92, 1874-1887.	2.7	22
17	Photoluminescence properties of CaWO4 and CdWO4 thin films deposited on SiO2/Si substrates. Journal of Luminescence, 2019, 215, 116619.	3.1	14
18	Preparation, characterization and photocatalytic degradation of Rhodamine B dye over a novel Zn3(PO4)2/BiPO4 catalyst. Journal of Environmental Chemical Engineering, 2019, 7, 103075.	6.7	89

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19	Electrodeposited zinc phosphate hydrate electrodes for electrocatalytic applications. Journal of Applied Electrochemistry, 2019, 49, 163-177.	2.9	25
20	Luminescent properties under X-ray excitation of Ba(1â^'x)PbxWO4 disordered solid solution. Journal of Solid State Chemistry, 2018, 258, 146-155.	2.9	13
21	Synthesis, characterization and luminescent properties ofSr1-xPbxWO4solid solution (x=0, 0.5 and 1). IOP Conference Series: Materials Science and Engineering, 2017, 186, 012024.	0.6	0
22	Electrical impedance spectroscopy analyses and optical properties of the bismuth lutetium tungstate BiLuWO₆. Ferroelectrics, 2017, 515, 112-119.	0.6	1
23	Effects of lutetium doping on the X-ray-excited luminescence properties of theÂtungstate Zn1â^'x Lu x WO4. Research on Chemical Intermediates, 2017, 43, 885-899.	2.7	0
24	Electrocatalytic properties of hydroxyapatite thin films electrodeposited on stainless steel substrates. Mediterranean Journal of Chemistry, 2017, 6, 255-266.	0.7	21
25	Study of two tungstates Ca_{0.5}Cd_{0.5}WO₄ and Ca_{0.2}Cd_{0.8}WO₄ by transmission electron microscopy. Journal of Microscopy, 2016, 261, 14-26.	1.8	1
26	Electronic band structure and visible-light photocatalytic activity of Bi₂WO₆: elucidating the effect of lutetium doping. RSC Advances, 2016, 6, 101105-101114.	3.6	57
27	Novel Lu-doped Bi2WO6 nanosheets: Synthesis, growth mechanisms and enhanced photocatalytic activity under UV-light irradiation. Ceramics International, 2016, 42, 8552-8558.	4.8	53
28	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
29	Role of the chemical substitution on the luminescence properties of solid solutions Ca(1â^'x)Cd(x)WO4 (0â‰¤xâ‰¤1). Materials Research Bulletin, 2015, 70, 40-46.	5.2	15
30	Influence of chemical substitution on the photoluminescence of Sr(1â^')Pb WO4 solid solution. Journal of Solid State Chemistry, 2015, 227, 186-195.	2.9	21
31	Structural, vibrational study and UV photoluminescence properties of the system Bi_(2â^'x)Lu_(x)WO₆ (0.1 â‰¤ x â‰¤ 1). RSC Advances, 2015, 5, 96242-96252.	3.6	18
32	Rietveld refinements, impedance spectroscopy and phase transition of the polycrystalline ZnMoO4 ceramics. Ceramics International, 2015, 41, 15193-15201.	4.8	28
33	Structural, microstructural and vibrational analyses of the monoclinic tungstate BiLuWO6. Journal of Solid State Chemistry, 2014, 218, 124-130.	2.9	12
34	Structural, vibrational and luminescence properties of the (1â^'x)CaWO4â^'xCdWO4 system. Journal of Solid State Chemistry, 2014, 219, 127-137.	2.9	24
35	Electron microscopy analyses and electrical properties of the layered Bi2WO6 phase. Journal of Solid State Chemistry, 2013, 203, 8-18.	2.9	15
36	Multifunctional rare earth or bismuth oxide materials for catalytic or electrical applications. MATEC Web of Conferences, 2013, 5, 01001.	0.2	0

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37	Temperature Dependent Oxidative Capacities of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:msub><mml:mtext>La</mml:mtext><mml:mn mathvariant="bold">2</mml:mn></mml:msub><mml:msub><mml:mtext>O</mml:mtext><mml:mn mathvariant="bold">3</mml:mn></mml:msub></mml:math>, <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M2"><mml:msub><mml:mtext>Lu</mml:mtext><mml:mn	1.0	1
38	Infrared spectroscopy analyses of air-CH4 or air-CO gas flows interacting with polycrystalline CeO2, La2O3 and Lu2O3 oxides. Journal of Rare Earths, 2012, 30, 835-841.	4.8	1
39	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
40	Electrical properties and reactivity under airâ€“CO flows of composite systems based on ceria coated carbon nanotubes. Chemical Engineering Journal, 2011, 171, 272-278.	12.7	4
41	Microstructure and electrical properties of RuO2â€“CeO2 composite thin films. Thin Solid Films, 2010, 518, 2801-2807.	1.8	15
42	Carbonatation and Decarbonatation Kinetics in the La₂O₃-La₂O₂CO₃System under CO₂Gas Flows. Advances in Materials Science and Engineering, 2010, 2010, 1-6.	1.8	56
43	Temperature Dependent Electrical Properties and Catalytic Activities of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mtext></mml:mtext></mml:msub></mml:mrow> Advances in Materials Science and Engineering, 2009, 2009, 1-4.	1.8	3
44	VO2 thin films deposited on silicon substrates from V2O5 target: Limits in optical switching properties and modeling. Thin Solid Films, 2008, 516, 891-897.	1.8	36
45	From cerium oxycarbonate to nanostructured ceria: Relations between synthesis, thermal process and morphologies. Journal of Crystal Growth, 2008, 310, 3055-3061.	1.5	27
46	Thermochromic CeO2â€“VO2 bilayers: Role of ceria coating in optical switching properties. Optical Materials, 2007, 30, 407-415.	3.6	38
47	Optimization of Cr8O12 Targets for Pulsed Laser Deposition.. ChemInform, 2006, 37, no.	0.0	0
48	Full-Heusler Co-based alloys grown by pulsed laser ablation: structural, optical, and magnetic characterizations. , 2006, , .		0
49	PLD thin films obtained from CrO3 and Cr8O21 targets. Applied Surface Science, 2005, 247, 139-144.	6.1	21
50	Role of surface defects and microstructure in infrared optical properties of thermochromic VO2 materials. Journal of Physics and Chemistry of Solids, 2005, 66, 63-73.	4.0	42
51	Heusler bulk materials as targets for pulsed laser deposition: growth and characterisation. Journal of Crystal Growth, 2005, 275, e1787-e1792.	1.5	17
52	Pulsed laser deposition of thin films of various full Heusler alloys Co2MnX (X=Si, Ga, Ge, Sn, SbSn) at moderate temperature. Applied Surface Science, 2005, 247, 151-156.	6.1	19
53	Optimization of Cr8O21 targets for Pulsed Laser Deposition. Crystal Research and Technology, 2005, 40, 1124-1127.	1.3	4
54	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

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55	X-ray diffraction and microscopy investigations of structural inhomogeneities in NiMnSb crystallised from the melt. European Physical Journal Special Topics, 2004, 118, 343-350.	0.2	6
56	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
57	New thermochromic bilayers for optical or electronic switching systems. Thin Solid Films, 2004, 449, 166-172.	1.8	23
58	Comparative study between nanocrystalline powder and thin film of vanadium dioxide VO2: electrical and infrared properties. Journal of Physics and Chemistry of Solids, 2001, 62, 1229-1238.	4.0	124
59	Nanocrystalline vanadium dioxide: synthesis and mid-infrared properties. Optical Materials, 2000, 15, 111-114.	3.6	38
60	Cs2Mo3O10. Acta Crystallographica Section C: Crystal Structure Communications, 1999, 55, 273-276.	0.4	11