

Xavier Vendrell

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

602
citations

759190

12
h-index

752679

20
g-index

22
all docs

22
docs citations

22
times ranked

571
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of the Decomposition of Ammonia to Generate Hydrogen. Industrial & Engineering Chemistry Research, 2021, 60, 18560-18611.	3.7	159
2	Improving the functional properties of (K _{0.5} Na _{0.5})NbO ₃ piezoceramics by acceptor doping. Journal of the European Ceramic Society, 2015, 35, 125-130.	5.7	57
3	Effect of MnO doping on the structure, microstructure and electrical properties of the (K,Na,Li)(Nb,Ta,Sb)O ₃ lead-free piezoceramics. Journal of Alloys and Compounds, 2011, 509, 8804-8811.	5.5	43
4	Structure, microstructure and electrical properties of Cu ²⁺ doped (K,Na,Li)(Nb,Ta,Sb)O ₃ piezoelectric ceramics. Ceramics International, 2013, 39, 4139-4149.	4.8	43
5	Ceria-Based Catalysts Studied by Near Ambient Pressure X-ray Photoelectron Spectroscopy: A Review. Catalysts, 2020, 10, 286.	3.5	43
6	Exploring different sintering atmospheres to reduce nonlinear response of modified KNN piezoceramics. Journal of the European Ceramic Society, 2013, 33, 825-831.	5.7	38
7	Electrical Properties of Yttria-Stabilized Zirconia, YSZ Single Crystal: Local AC and Long Range DC Conduction. Journal of the Electrochemical Society, 2018, 165, F966-F975.	2.9	30
8	Influence of flash sintering on the ionic conductivity of 8 mol% yttria stabilized zirconia. Journal of the European Ceramic Society, 2019, 39, 1352-1358.	5.7	30
9	Growth and physical properties of highly oriented La-doped (K,Na)NbO ₃ ferroelectric thin films. Thin Solid Films, 2015, 577, 35-41.	1.8	29
10	Induced <i>p</i> -type semiconductivity in yttria-stabilized zirconia. Journal of the American Ceramic Society, 2019, 102, 6100-6106.	3.8	29
11	Flash sintering of Li-ion conducting ceramic in a few seconds at 850 °C. Scripta Materialia, 2019, 172, 1-5.	5.2	26
12	Effect of lanthanide doping on structural, microstructural and functional properties of K _{0.5} Na _{0.5} NbO ₃ lead-free piezoceramics. Ceramics International, 2016, 42, 17530-17538.	4.8	24
13	Low-Temperature Methane Partial Oxidation over Pd Supported on CeO ₂ : Effect of the Preparation Method and Precursors. Reactions, 2021, 2, 30-42.	2.1	11
14	Revealing the role of the constant phase element in relaxor ferroelectrics. Communications Physics, 2022, 5, .	5.3	10
15	Effect of pressure on $\text{La}_{2}\text{WO}_{4}$ with a modulated scheelite-type structure. Physical Review B, 2014, 89, .	3.2	9
16	Structure and piezo-ferroelectricity relationship study of (K _{0.5} Na _{0.5}) _{0.985} La _{0.005} NbO ₃ epitaxial films deposited on SrTiO ₃ by sputtering. Scientific Reports, 2017, 7, 17721.	3.3	6
17	CO Oxidation on Ceria Studied by Electrochemical Impedance Spectroscopy. ChemCatChem, 2020, 12, 5926-5931.	3.7	6
18	Optimization of the sintering conditions of the $\text{La}_{2}\text{WO}_{4}$		

#	ARTICLE	IF	CITATIONS
19	<p>Role of rare earth sites and vacancies in the anomalous compression of modulated scheelite tungstates <math>R_{1-x}E_3</math> (T_j ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 732 Td) <math>R_{1-x}E_3</math> Physical Review Materials, 2021, 5, .</p>	3.4	3
20	Amorphization in rare earth tungstates with modulated scheelite-type structure under pressure. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C504-C505.	0.3	1
21	Highly oriented La doped (K, Na)NbO ₃ ; ferroelectric thin films. , 2012, , .		0