

Vidya S

List of Publications by Year in descending order

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27
papers

470
citations

759055

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28
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610
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical and dielectric investigations of nano crystalline scheelite $A_{0.5}B_{0.5}MoO_4$ (A=B=Ba, Sr and Ca). Bulletin of Pure & Applied Sciences - Chemistry, 2018, 37c, 26.	0.1	3
2	Single step combustion synthesis of nanocrystalline scheelite $Ba_{0.5}Sr_{0.5}MoO_4$ for optical and LTCC applications: Its structural, optical and dielectric properties. Journal of Electroceramics, 2016, 36, 142-149.	0.8	5
3	Effect of addition of $BaTiO_3$ nano particles on the electrical transport properties of YBCO superconductor. IOP Conference Series: Materials Science and Engineering, 2015, 73, 012146.	0.3	5
4	Improvement of Critical Current Density in $YBa_2Cu_3O_{7-\delta}$ Superconductor with Nano TiO_2 Addition. Materials Today: Proceedings, 2015, 2, 997-1001.	0.9	8
5	Synthesis and characterisation of MoO_3 and WO_3 nanorods for low temperature co-fired ceramic and optical applications. Journal of Materials Science: Materials in Electronics, 2015, 26, 3243-3255.	1.1	20
6	Influence of $YBa_2HfO_{5.5}$ derived secondary phase on the critical current density and flux-Pinning force of $YBa_2Cu_3O_{7-\delta}$ thick films. Cryogenics, 2015, 72, 1-8.	0.9	4
7	Study on the optical band gap and photoluminescence of $PbMoO_4$ nano powder synthesized by an auto igniting combustion technique. IOP Conference Series: Materials Science and Engineering, 2015, 73, 012120.	0.3	7
8	Enhanced infrared transmittance properties in ultrafine $MgAl_2O_4$ nanoparticles synthesised by a single step combustion method, followed by hybrid microwave sintering. Infrared Physics and Technology, 2015, 72, 153-159.	1.3	13
9	Optical properties of nanocrystalline HfO_2 synthesized by an auto-igniting combustion synthesis. Journal of Asian Ceramic Societies, 2015, 3, 64-69.	1.0	55
10	Structural, Optical and Dielectric Characterization of Nanocrystalline $AMo_{0.5}W_{0.5}O_4$ (where A=Ba,Sr) T_j $E_{TQ} = 0.00$ $r_{gBT} = 10$ T_f 904-908.	0.9	2
11	Structural, Optical, and Compactness Characteristics of Nanocrystalline $CaNb_2O_7$ through an Autoigniting Combustion Method. Advances in Condensed Matter Physics, 2014, 2014, 1-6.	0.4	15
12	Flux-pinning properties of nanocrystalline HfO_2 added $YBa_2Cu_3O_{7-\delta}$ superconductor. Physica Status Solidi (B): Basic Research, 2014, 251, 809-814.	0.7	19
13	Nanocrystalline scheelite $SrWO_4$: a low temperature co-fired ceramic optical material-synthesis and properties. Journal of Materials Science: Materials in Electronics, 2014, 25, 693-701.	1.1	15
14	A study of structural, optical and dielectric properties of crystalline $Sr_2Nb_2O_7$ nanoparticles synthesized by a modified combustion technique. , 2014, , .		0
15	Enhancement in the transport critical current density J_c in $YBa_2Cu_3O_{7-\delta}$ added with an insulating nano crystalline $YBa_2HfO_{5.5}$ perovskite. , 2014, , .		1
16	Synthesis of Nanocrystalline $CaWO_4$ as Low-Temperature Co-fired Ceramic Material: Processing, Structural and Physical Properties. Journal of Electronic Materials, 2013, 42, 129-137.	1.0	25
17	$SmBa_2NbO_6$ Nanopowders, an Effective Percolation Network Medium for YBCO Superconductors. Advances in Materials Science and Engineering, 2013, 2013, 1-7.	1.0	1
18	Synthesis, Characterization, and Low Temperature Sintering of Nanostructured $BaWO_4$ for Optical and LTCC Applications. Advances in Condensed Matter Physics, 2013, 2013, 1-11.	0.4	23

#	ARTICLE	IF	CITATIONS
19	Optical and dielectric properties of nano BaNbO ₃ prepared by a combustion technique. Advances in Materials Research (South Korea), 2013, 2, 141-153.	0.6	2
20	Synthesis, sintering and optical properties of CaMoO ₄ : A promising scheelite LTCC and photoluminescent material. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 1067-1074.	0.8	50
21	Enhancement of Vortex Pinning in YBa ₂ Cu ₃ O _{7-δ} -BaHfO ₃ Superconductor-Insulator System. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1817-1822.	0.8	10
22	Optical and dielectric properties of SrMoO ₄ powders prepared by the combustion synthesis method. Advances in Materials Research (South Korea), 2012, 1, 191-204.	0.6	32
23	Structural and optical characterization of BaSnO ₃ nanopowder synthesized through a novel combustion technique. Journal of Alloys and Compounds, 2011, 509, 1830-1835.	2.8	83
24	Structural, dielectric and optical characterization of BaMoO ₄ nano powder synthesized through an auto-igniting combustion technique. IOP Conference Series: Materials Science and Engineering, 2011, 23, 012031.	0.3	6
25	Electrical, optical and vibrational characteristics of nano structured yttrium barium stannous oxide synthesized through a modified combustion method. Materials Research Bulletin, 2011, 46, 1723-1728.	2.7	9
26	Vibrational spectra and structural studies of nonlinear optical crystal ammonium D,L-tartrate : a density functional theoretical approach. Journal of Raman Spectroscopy, 2011, 42, 676-684.	1.2	55
27	Spectroscopic Analysis of Rock Mineral "Garnet of South Kerala. , 2008, , .		0