

Vidya S

List of Publications by Year in descending order

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27
papers

470
citations

759055

12
h-index

677027

22
g-index

28
all docs

28
docs citations

28
times ranked

610
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	Synthesis, Characterization, and Low Temperature Sintering of Nanostructured BaWO ₄ for Optical and LTCC Applications. Advances in Condensed Matter Physics, 2013, 1-11.	0.4	23
8	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
9	Flux-pinning properties of nanocrystalline HfO ₂ added YBa ₂ Cu ₃ O _{7-δ} superconductor. Physica Status Solidi (B): Basic Research, 2014, 251, 809-814.	0.7	19
10	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
11	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
12	Enhanced infrared transmittance properties in ultrafine MgAl ₂ O 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
13	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
14	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
15	Improvement of Critical Current Density in YBa ₂ Cu ₃ O _{7-δ} Superconductor with Nano TiO ₂ Addition. Materials Today: Proceedings, 2015, 2, 997-1001.	0.9	8
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Influence of YBa ₂ HfO _{5.5} derived secondary phase™ on the critical current density and flux-Pinning force of YBa ₂ Cu ₃ O _{7-δ} thick films. Cryogenics, 2015, 72, 1-8.	0.9	4
21	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
22	Structral, Optical and Dielectric Characterization of Nanocrystalline AMo _{0.5} W _{0.5} O ₄ (where A=Ba,Sr) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 904-908.	0.9	2
23	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
24	SmBa ₂ Nb ₆ Nanopowders, an Effective Percolation Network Medium for YBCO Superconductors. Advances in Materials Science and Engineering, 2013, 2013, 1-7.	1.0	1
25	Enhancement in the transport critical current density J _c in YBa ₂ Cu ₃ O _{7-δ} added with an insulating nano crystalline YBa ₂ HfO _{5.5} perovskite. , 2014, , .		1
26	Spectroscopic Analysis of Rock Mineralâ€™Garnet of South Kerala. , 2008, , .		0
27	A study of structural, optical and dielectric properties of crystalline Sr ₂ Nb ₂ O ₇ nanoparticles synthesized by a modified combustion technique. , 2014, , .		0