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Material Science

	All	Since 2018
Citations	533	340
h-index	14	11
i10-index	16	13

4 articles

5 articles

not available

available

Based on funding mandates

TITLE	CITED BY	YEAR
Structural and optical characterization of BaSnO₃ nanopowder synthesized through a novel combustion technique AS Deepa, S Vidya, PC Manu, S Solomon, A John, JK Thomas Journal of Alloys and Compounds 509 (5), 1830-1835	96	2011
Vibrational spectra and structural studies of nonlinear optical crystal ammonium D, L-tartrate: a density functional theoretical approach S Vidya, C Ravikumar, I Hubert Joe, P Kumaradhas, B Devipriya, K Raju Journal of Raman Spectroscopy 42 (4), 676-684	56	2011
Optical properties of nanocrystalline HfO₂ synthesized by an auto-igniting combustion synthesis H Padma Kumar, S Vidya, S Saravana Kumar, C Vijayakumar, S Solomon, ... Journal of Asian Ceramic Societies 3 (1), 64-69	53	2015
Synthesis, sintering and optical properties of CaMoO₄: A promising scheelite LTCC and photoluminescent material S Vidya, S Solomon, JK Thomas Physica status solidi (a) 209 (6), 1067-1074	52	2012
Optical and dielectric properties of SrMoO₄ powders prepared by the combustion synthesis method S Vidya, A John, S Solomon, JK Thomas Advances in materials Research 1 (3), 191	35	2012
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TITLE	CITED BY	YEAR
Flux-pinning properties of nanocrystalline HfO_2 added $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ superconductor PP Rejith, S Vidya, S Solomon, JK Thomas physica status solidi (b) 251 (4), 809-814	20	2014
Nanocrystalline scheelite SrWO_4: a low temperature co-fired ceramic optical material-synthesis and properties S Vidya, S Solomon, JK Thomas Journal of Materials Science: Materials in Electronics 25, 693-701	18	2014
Enhancement of Vortex Pinning in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ -BaHfO_3 Superconductor-Insulator System PP Rejith, S Vidya, JK Thomas, S Solomon Journal of superconductivity and novel magnetism 25, 1817-1822	17	2012
Enhanced infrared transmittance properties in ultrafine MgAl_2O_4 nanoparticles synthesised by a single step combustion method, followed by hybrid microwave sintering CT Mathew, S Vidya, J Koshy, S Solomon, JK Thomas Infrared Physics & Technology 72, 153-159	15	2015
Effect of addition of BaTiO_3 nano particles on the electrical transport properties of YBCO superconductor PP Rejith, S Vidya, JK Thomas IOP Conference Series: Materials Science and Engineering 73 (1), 012146	15	2015
Structural, Optical, and Compactness Characteristics of Nanocrystalline CaNb_2O_6 Synthesized through an Autoigniting Combustion Method. KC Mathai, S Vidya, A John, S Solomon, JK Thomas Advances in Condensed Matter Physics	15	2014
Study on the optical band gap and photoluminescence of PbMoO_4 nano powder synthesized by an auto igniting combustion technique S Vidya, JK Thomas IOP Conference Series: Materials Science and Engineering 73 (1), 012120	13	2015
Electrical, optical and vibrational characteristics of nano structured yttrium barium stannous oxide synthesized through a modified combustion method S Vidya, PP Rejith, A John, S Solomon, AS Deepa, JK Thomas Materials Research Bulletin 46 (10), 1723-1728	10	2011
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TITLE	CITED BY	YEAR
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Roxy M S

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Meteorology

	All	Since 2018
Citations	329	285
h-index	8	8
i10-index	8	8

1 article

0 articles

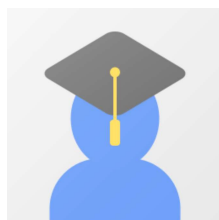
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TITLE	CITED BY	YEAR
Variability of soil moisture and its relationship with surface albedo and soil thermal diffusivity at Astronomical Observatory, Thiruvananthapuram, south Kerala MS Roxy, VB Sumithranand, G Renuka Journal of Earth System Science 119, 507-517	80	2010
Synthesis, spectral properties, chemical descriptors and light harvesting studies of a new bioactive azo imidazole compound VS Kumar, YS Mary, K Pradhan, D Brahman, YS Mary, R Thomas, ... Journal of Molecular Structure 1199, 127035	75	2020
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Conformational analysis and DFT investigations of two triazole derivatives and its halogenated substitution by using spectroscopy, AIM and Molecular docking VS Kumar, YS Mary, YS Mary, G Serdaroğlu, AS Rad, MS Roxy, ... Chemical Data Collections 31, 100625	25	2021
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adsorption activity on graphene VS Kumar, YS Mary, K Pradhan, D Brahman, YS Mary, G Serdaroğlu, ... Heliyon 6 (10), e05182		
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Conformational profile, vibrational assignments K Haruna, VS Kumar, YS Mary, SA Popoola, R Thomas, MS Roxy, ... NLO properties and molecular docking of biologically active herbicide1	6	



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	All	Since 2018
Citations	117	36
h-index	5	2
i10-index	3	1

TITLE	CITED BY	YEAR
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Studies on the influence of lithium incorporation in the photoluminescence of Y2O3: Eu³⁺ thin films KM Nissamudeen, S Sankar, AH Bahna, KG Gopchandran Journal of Physics and Chemistry of Solids 70 (5), 821-826	21	2009
Spontaneously ordered TiO₂ nanostructures S Sankar, KG Gopchandran, P Kuppasami, S Murugesan Ceramics International 37 (8), 3307-3315	11	2011
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Rutile TiO₂ (101) based plasmonic nanostructures S Sankar, KG Gopchandran Ceramics International 39 (2), 1081-1086	5	2013
Growth of nanoislands in thin nickel oxide films B Sasi, S Sankar, KM Nissamudeen, G Rajan, AH Bahna, ... Journal of optoelectronics and advanced materials 10 (10), 2637-2643	4	2008
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Effect of Radio Frequency Power on Magnetron Sputtered TiO₂ Thin Films R Satheesh, S Sankar, KG Gopchandran Plasma and Fusion Science, 185-201		2018



ASITHA L R

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material science

	All	Since 2018
Citations	14	14
h-index	1	1
i10-index	1	1

TITLE	CITED BY	YEAR
Studies on the uv-visible and photoluminescent emission in nanocrystalline tungsten oxide CL Veenas, LR Asitha, VC Bose, ASA Raj, G Madhu, V Biju IOP Conference Series: Materials Science and Engineering 73 (1), 012119	12	2015
Potential–Current characteristics of lunar surface at average solar wind conditions SBR Chandran, CL Veenas, LR Asitha, B Parvathy, KR Rakhimol, ... Advances in Space Research 70 (2), 546-555	1	2022
X-ray diffraction line profile analysis of Ce substituted Gd₂Zr₂O₇ system (Gd_{2-x}Ce_x) Zr₂O₇ (x = 0,2) S Srijith, LR Asitha, LR Aparna, ABA Chandran AIP Conference Proceedings 2379 (1), 030009	1	2021
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Chemically precipitated cobalt oxide nanoparticles as an active materials for the reduction of bacterial load in sewage water and its size dependent activity SK Subhash, LR Asitha, S Srijith, LR Aparna, AB Raj, J Parvathy AIP Conference Proceedings 2379 (1), 030005		2021
Morphological modification of cobalt oxide nanoparticles using zinc and optical investigation LR Asitha, S Srijith, LR Aparna, A Ghosh, G Priyadarsini, SBR Chandran, ... AIP Conference Proceedings 2379 (1), 030011		2021
Synthesis and optical bandgap study of Sm S Srijith, LR Asitha, LR Aparna		2021
Synthesis, structural characterization and uv analysis of praseodymium zirconate oxides S Srijith, VT Kavitha, LR Asitha Bulletin of Pure & Applied Sciences-Chemistry 37 (1), 99-106		2018



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Material science

	All	Since 2018
Citations	2	2
h-index	1	1
i10-index	0	0

TITLE	CITED BY	YEAR
<p>X-ray diffraction line profile analysis of Ce substituted Gd₂Zr₂O₇ system (Gd_{2-x}Ce_x) Zr₂O₇ (x = 0,2)</p> <p>S Srijith, LR Asitha, LR Aparna, ABA Chandran AIP Conference Proceedings 2379 (1), 030009</p>	1	2021
<p>Silver nanoparticles as surface enhanced Raman scattering (SERS) substrates</p> <p>S Babu, S Srijith, S Resmi AIP Conference Proceedings 2379 (1), 030010</p>	1	2021
<p>Synthesis and optical bandgap study of Sm₂Zr₂O₇ oxides</p> <p>S Srijith, LR Asitha, LR Aparna, ABA Chandran AIP Conference Proceedings 2379 (1), 030016</p>		2021
<p>Chemically precipitated cobalt oxide nanoparticles as an active materials for the reduction of bacterial load in sewage water and its size dependent activity</p> <p>SK Subhash, LR Asitha, S Srijith, LR Aparna, AB Raj, J Parvathy AIP Conference Proceedings 2379 (1), 030005</p>		2021
<p>Morphological modification of cobalt oxide nanoparticles using zinc and optical investigation</p> <p>LR Asitha, S Srijith, LR Aparna, A Ghosh, G Priyadarsini, SBR Chandran, ... AIP Conference Proceedings 2379 (1), 030011</p>		2021
<p>Synthesis and optical bandgap study of Sm</p> <p>S Srijith, LR Asitha, LR Aparna</p>		2021
<p>Synthesis, structural characterization and uv analysis of praseodymium zirconate oxides</p> <p>S Srijith, VT Kavitha, LR Asitha Bulletin of Pure & Applied Sciences-Chemistry 37 (1), 99-106</p>		2018