Sitharaman Uma

List of Publications by Year
in descending order

24 papers	236 citations	1307594 7 h-index	996975 15 g-index
24 all docs	24 docs citations	24 times ranked	287 citing authors

#	Article	IF	Citations
1	Investigation of the structure, optical and magnetic properties of the honeycomb layered Na3(MnIIM)SbO6 (M (II)Â=ÂFe, Co, Ni, Zn, Mg) and Na3(FeIIMâ€²)SbO6 (Mâ€² (II)Â=ÂCo, Ni, Zn, Mg) oxides. Materials Today Communications, 2022, 30, 103012.	3.8	3
2	Influence of oxidation state and ionic size in the formation of honeycomb ordered structures, Li3Mn2SbO6 and Li4CoSbO6. Journal of Physics and Chemistry of Solids, 2022, 163, 110559.	4.0	6
3	Boosting defects through divalent ion substitution to tailor the optical, textural, catalytic, and photocatalytic properties of Th4+-stabilized Î´-Bi2O3. Materials Science in Semiconductor Processing, 2022, 141, 106441.	4.0	1
4	Cuprous delafossites, Cu3(MFeSb)O6 (M = Na, Li) with honeycomb arrays, realized by topochemical ion-exchange reactions. Ceramics International, 2022, 48, 13833-13841.	4.8	1
5	Microstructural changes caused by Ba and Pr doping in nanosized Bi₂Ce₂O₇ leading to interesting optical, magnetic, and catalytic properties. CrystEngComm, 2021, 23, 986-999.	2.6	1
6	Absence of long-range magnetic order in lithium-containing honeycombs in the Liâ€“Crâ€“Sb(Te)â€“O phases. Journal of Physics Condensed Matter, 2021, 33, 295802.	1.8	4
7	Magnetic and photocatalytic properties of nano-sized sulfur-doped trirutile oxide, CuSb2O6. Materials Science in Semiconductor Processing, 2020, 119, 105226.	4.0	7
8	A new empirical potential for zeolite with variable Si/Al ratio: Simulations vs. experiments. Microporous and Mesoporous Materials, 2020, 300, 110119.	4.4	3
9	Synergistic Influence of d⁰ (Nb⁵⁺) and d¹⁰ (Cd²⁺) Cations in Stabilizing Noncentrosymmetric Dionâ€“Jacobson Layered Perovskites, Aâ€²Cd₂Nb₃O₁₀ (Aâ€² = Rb, Cs). Inorganic Chemistry, 2020, 59, 8044-8053.	4.0	5
10	Synthesis and Characterization of Sodiumâ€“Iron Antimonate Na2FeSbO5: One-Dimensional Antiferromagnetic Chain Compound with a Spin-Glass Ground State. Inorganic Chemistry, 2019, 58, 11333-11350.	4.0	8
11	Soft-Chemistry Approach To Synthesize Al³⁺, Ga³⁺, and Zr⁴⁺ Stabilized Ion-Exchangeable Layered Perovskite Oxides. Crystal Growth and Design, 2019, 19, 5019-5028.	3.0	3
12	Systematic color variation across the solid solution members, Li2Mn1-Ti O3 (0.0 â‰¤ x â‰¤ 1.0). Journal of Physics and Chemistry of Solids, 2019, 134, 238-244.	4.0	3
13	Catalytic applications of mesoporous CaBi2O4 obtained from a single source precursor. Research on Chemical Intermediates, 2019, 45, 2457-2470.	2.7	3
14	Correlating oxide ion conductivity with ionic size of dopant and defect structures in ThO2-LnO1.5 (Lnâ€¯=â€¯Y, La and Gd) prepared by modified epoxide gel method. Solid State Ionics, 2019, 329, 67-73.	2.7	3
15	New series of honeycomb ordered oxides, Na₃M₂SbO₆ (M(<scp>ii</scp>) = Mn, Fe, (Mn, Fe), (Mn, Co)): synthesis, structure and magnetic properties. Dalton Transactions, 2019, 48, 8955-8965.	3.3	21
16	Transformation of scheelite M2MoTiO8 (M = Eu, Gd, Dy, Y) and zircon MVO4 (M = Ce, Sm, Gd, Dy) oxides to fluorite oxynitrides and perovskite oxides under mild ammonolysis conditions. Solid State Sciences, 2019, 89, 114-120.	3.2	0
17	Efficient Use of a Polyamine Carboxylate Ligand to Probe the Extent of Incorporation of Stereochemically Active Bi³⁺ in ThO₂. ChemistrySelect, 2018, 3, 5005-5012.	1.5	3
18	Effective catalytic reduction of aromatic nitrocompounds using mineral beyerite, CaBi2O2(CO3)2. Journal of Environmental Chemical Engineering, 2018, 6, 4755-4763.	6.7	2

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19	Evaluation of solid solution formation between ThO2 and Î´-Bi2O3 by molecular precursor route. Materials Research Bulletin, 2018, 107, 66-73.	5.2	8
20	Synthesis and characterization of new rocksalt superstructure type layered oxides Li 4.5 M 0.5 TeO 6 (M(III) = Cr, Mn, Al, Ga). Materials Research Bulletin, 2016, 76, 118-123.	5.2	13
21	Synthesis and crystal structure of Bi6(Bi0.5Cu0.5)V2O15+. Journal of Solid State Chemistry, 2015, 230, 369-373.	2.9	1
22	Single step hydrothermal based synthesis of M(II)Sb 2 O 6 (M â€‰=â€‰ Cd and Zn) type antimonates and their photocatalytic properties. Bulletin of Materials Science, 2013, 36, 287-291.	1.7	26
23	Investigation of visible light photocatalytic behavior of Bi4V2O11â^Î´ and BIMEVOX (ME=Al, Ga) oxides. Materials Research Bulletin, 2010, 45, 1250-1254.	5.2	42
24	Facile Room Temperature Ion-Exchange Synthesis of Sn²⁺ Incorporated Pyrochlore-Type Oxides and Their Photocatalytic Activities. Inorganic Chemistry, 2009, 48, 11624-11630.	4.0	69