

Shalabh Gupta

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Structural, magneto transport and magnetic properties of Ruddlesden-Popper $\text{La}_{2-2x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ ($0.42 \leq x \leq 0.52$) layered manganites. <i>AIP Advances</i> , 2021, 11, .	1.3	2
2	Study of structural, transport and magneto-crystalline anisotropy in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($0.30 \leq x \leq 0.40$) perovskite manganites. <i>AIP Advances</i> , 2021, 11, .	1.3	6
3	Protein-assisted scalable mechanochemical exfoliation of few-layer biocompatible graphene nanosheets. <i>Royal Society Open Science</i> , 2021, 8, 200911.	2.4	2
4	A New Complex Borohydride $\text{LiAl}(\text{BH}_4)_2\text{Cl}_2$. <i>Inorganics</i> , 2021, 9, 35.	2.7	0
5	Mechanochemical synthesis, luminescent and magnetic properties of lanthanide benzene-1,4-dicarboxylate coordination polymers $(\text{Ln}_{0.5}\text{Gd}_{0.5})_2(1,4\text{-BDC})_3(\text{H}_2\text{O})_4$; Ln = Sm, Eu, Tb. <i>New Journal of Chemistry</i> , 2020, 44, 1054-1062.	2.8	17
6	Differential effect of magnetic alignment on additive manufacturing of magnetocaloric particles. <i>AIP Advances</i> , 2020, 10, .	1.3	9
7	Mechanochemical recovery of Co and Li from LCO cathode of lithium-ion battery. <i>Journal of Alloys and Compounds</i> , 2020, 824, 153876.	5.5	43
8	Magnetocaloric Effect of Micro- and Nanoparticles of Gd_5Si_4 . <i>Jom</i> , 2019, 71, 3159-3163.	1.9	11
9	Stability of magnetocaloric $\text{La}(\text{Fe}_x\text{Co}_y\text{Si}_{1-x-y})_{13}$ in water and air. <i>AIP Advances</i> , 2019, 9, 035239.	1.3	1
10	Gd_5Si_4 -PVDF nanocomposite films and their potential for triboelectric energy harvesting applications. <i>AIP Advances</i> , 2019, 9, .	1.3	7
11	Mechanochemical reactions and hydrogen storage capacities in $\text{MBH}_4\text{-Si}_2$ systems (M Li or Na). <i>International Journal of Hydrogen Energy</i> , 2019, 44, 7381-7391.	7.1	13
12	Mechanochemistry of the $\text{LiBH}_4\text{-AlCl}_3$ System: Structural Characterization of the Products by Solid-State NMR. <i>Journal of Physical Chemistry C</i> , 2018, 122, 1955-1962.	3.1	7
13	Investigating phase transition temperatures of size separated gadolinium silicide magnetic nanoparticles. <i>AIP Advances</i> , 2018, 8, 056428.	1.3	15
14	Luminescence properties of mechanochemically synthesized lanthanide containing MIL-78 MOFs. <i>Dalton Transactions</i> , 2018, 47, 7594-7601.	3.3	53
15	Enhancement of β -phase in PVDF films embedded with ferromagnetic Gd_5Si_4 nanoparticles for piezoelectric energy harvesting. <i>AIP Advances</i> , 2017, 7, .	1.3	42
16	Ferromagnetic Gd_5Si_4 Nanoparticles as T2 Contrast Agents for Magnetic Resonance Imaging. <i>IEEE Magnetism Letters</i> , 2017, 8, 1-4.	1.1	19
17	A benign synthesis of alane by the composition-controlled mechanochemical reaction of sodium hydride and aluminum chloride. <i>Journal of Materials Science</i> , 2017, 52, 11900-11910.	3.7	3
18	Solvent-free mechanochemical synthesis and magnetic properties of rare-earth based metal-organic frameworks. <i>Journal of Alloys and Compounds</i> , 2017, 696, 118-122.	5.5	39

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19	Towards Direct Synthesis of Alane: A Predicted Defect-Mediated Pathway Confirmed Experimentally. ChemSusChem, 2016, 9, 2358-2364.	6.8	5
20	Room temperature ferromagnetic nanoparticles of Gd ₅ Si ₄ . , 2015, , .		0
21	Investigation of Room Temperature Ferromagnetic Nanoparticles of Gd ₅ Si ₄ . IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	26
22	Mechanism of Solid-State Thermolysis of Ammonia Borane: A ¹⁵ N NMR Study Using Fast Magic-Angle Spinning and Dynamic Nuclear Polarization. Journal of Physical Chemistry C, 2014, 118, 19548-19555.	3.1	56
23	Dry mechanochemical synthesis of alane from LiH and AlCl ₃ . Faraday Discussions, 2014, 170, 137-153.	3.2	20
24	Solvent-free mechanochemical synthesis of alane, AlH ₃ : effect of pressure on the reaction pathway. Green Chemistry, 2014, 16, 4378-4388.	9.0	27