

Eswaravara Prasadarao Komarala

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

672
citations

567281

15
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

1255
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of coke-free methane dry reforming catalysts by molecular tuning of nitrogen-rich combustion precursors. <i>Materials Today Chemistry</i> , 2022, 24, 100765.	3.5	6
2	Nanomaterial-Embedded DNA Films on 2D Frames. <i>ACS Applied Bio Materials</i> , 2022, 5, 2812-2818.	4.6	0
3	DNA Scaffolds with Manganese Oxide/Oxyhydroxide Nanoparticles for Highly Stable Supercapacitance Electrodes. <i>ACS Applied Nano Materials</i> , 2022, 5, 8902-8912.	5.0	4
4	DNA foams constructed by freeze drying and their optoelectronic characteristics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 217, 112648.	5.0	3
5	Effect of Fe and Mn Substitution in LaNiO ₃ on Exsolution, Activity, and Stability for Methane Dry Reforming. <i>Catalysts</i> , 2020, 10, 27.	3.5	47
6	Coke-free methane dry reforming over nano-sized NiO-CeO ₂ solid solution after exsolution. <i>Catalysis Communications</i> , 2020, 138, 105951.	3.3	38
7	Catalytic Enhancement of CO Oxidation on LaFeO ₃ Regulated by Ruddlesden-Popper Stacking Faults. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 33850-33858.	8.0	11
8	Methane dry reforming catalyst prepared by the co-deflagration of high-nitrogen energetic complexes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 141-149.	10.3	15
9	Iodocuprate-containing ionic liquids as promoters for green propulsion. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22819-22829.	10.3	44
10	Expanding possibilities for solid-phase crystallization by exsolving tunable Pd@NiO core-shell nanostructures. <i>CrystEngComm</i> , 2018, 20, 6372-6376.	2.6	12
11	Combustion of energetic iodine-rich coordination polymer – Engineering of new biocidal materials. <i>Chemical Engineering Journal</i> , 2018, 350, 1084-1091.	12.7	18
12	Studies on drug release kinetics and antibacterial activity against drug-resistant bacteria of cefotaxime sodium loaded layered double hydroxide-fenugreek nanohybrid. <i>New Journal of Chemistry</i> , 2018, 42, 129-136.	2.8	25
13	NIR absorbing Au nanoparticle decorated layered double hydroxide nanohybrids for photothermal therapy and fluorescence imaging of cancer cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3852-3861.	5.8	23
14	Ferromagnetic Fe-substituted Cerium Oxide Nanorods: Synthesis and characterization. <i>Materials and Design</i> , 2017, 114, 584-590.	7.0	22
15	Efficient antibacterial activity via protein degradation of a 3D layered double hydroxide-reduced graphene oxide nanohybrid. <i>RSC Advances</i> , 2016, 6, 40389-40398.	3.6	16
16	Structural, optical and magnetic properties of Cr-substituted CeO ₂ nanoparticles. <i>Materials Chemistry and Physics</i> , 2016, 182, 280-286.	4.0	41
17	In-vitro evaluation of layered double hydroxide-Fe ₃ O ₄ magnetic nanohybrids for thermo-chemotherapy. <i>New Journal of Chemistry</i> , 2016, 40, 423-433.	2.8	41
18	Structural and magnetic characterization of Zr-substituted magnetite (Zr _x Fe _{3-2x} O ₄ , 0 ≤ x ≤ 1). <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 401, 559-566.	2.3	32

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19	Synthesis and Characterization of Manganese Substituted Cerium Oxide Nanoparticles by Microwave Refluxing Method. Materials Science Forum, 2015, 830-831, 608-611.	0.3	2
20	Solvothermal synthesis of MnFe ₂ O ₄ -graphene composite”Investigation of its adsorption and antimicrobial properties. Applied Surface Science, 2015, 327, 27-36.	6.1	140
21	Anomalous magnetic behavior in nanocomposite materials of reduced graphene oxide-Ni/NiFe ₂ O ₄ . Applied Physics Letters, 2014, 105, .	3.3	22
22	Structural and ambient/sub-ambient temperature magnetic properties of Er-substituted cobalt-ferrites synthesized by sol-gel assisted auto-combustion method. Journal of Applied Physics, 2014, 116, 023908.	2.5	37
23	Enhanced properties of porous CoFe ₂ O ₄ ”reduced graphene oxide composites with alginate binders for Li-ion battery applications. New Journal of Chemistry, 2014, 38, 3654-3661.	2.8	69
24	Controlling physical characteristics of DNA and DNA-CTMA thin films by embedding with graphene oxide and riboflavin. Journal Physics D: Applied Physics, 0, , .	2.8	4