

# 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	Solvothermal synthesis of MnFe <sub>2</sub> O <sub>4</sub> -graphene composite—Investigation of its adsorption and antimicrobial properties. Applied Surface Science, 2015, 327, 27-36.	6.1	140
2	Enhanced properties of porous CoFe <sub>2</sub> O <sub>4</sub> —reduced graphene oxide composites with alginate binders for Li-ion battery applications. New Journal of Chemistry, 2014, 38, 3654-3661.	2.8	69
3	Effect of Fe and Mn Substitution in LaNiO <sub>3</sub> on Exsolution, Activity, and Stability for Methane Dry Reforming. Catalysts, 2020, 10, 27.	3.5	47
4	Iodocuprate-containing ionic liquids as promoters for green propulsion. Journal of Materials Chemistry A, 2018, 6, 22819-22829.	10.3	44
5	Structural, optical and magnetic properties of Cr-substituted CeO <sub>2</sub> nanoparticles. Materials Chemistry and Physics, 2016, 182, 280-286.	4.0	41
6	In-vitro evaluation of layered double hydroxide—Fe <sub>3</sub> O <sub>4</sub> magnetic nanohybrids for thermo-chemotherapy. New Journal of Chemistry, 2016, 40, 423-433.	2.8	41
7	Coke-free methane dry reforming over nano-sized NiO-CeO <sub>2</sub> solid solution after exsolution. Catalysis Communications, 2020, 138, 105951.	3.3	38
8	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
9	Structural and magnetic characterization of Zr-substituted magnetite (Zr <sub>x</sub> Fe <sub>3-2x</sub> O <sub>4</sub> , 0 ≤ x ≤ 1). Journal of Magnetism and Magnetic Materials, 2016, 401, 559-566.	2.3	32
10	Studies on drug release kinetics and antibacterial activity against drug-resistant bacteria of cefotaxime sodium loaded layered double hydroxide—fenugreek nanohybrid. New Journal of Chemistry, 2018, 42, 129-136.	2.8	25
11	NIR absorbing Au nanoparticle decorated layered double hydroxide nanohybrids for photothermal therapy and fluorescence imaging of cancer cells. Journal of Materials Chemistry B, 2017, 5, 3852-3861.	5.8	23
12	Anomalous magnetic behavior in nanocomposite materials of reduced graphene oxide-Ni/NiFe <sub>2</sub> O <sub>4</sub> . Applied Physics Letters, 2014, 105, .	3.3	22
13	Ferromagnetic Fe-substituted Cerium Oxide Nanorods: Synthesis and characterization. Materials and Design, 2017, 114, 584-590.	7.0	22
14	Combustion of energetic iodine-rich coordination polymer — Engineering of new biocidal materials. Chemical Engineering Journal, 2018, 350, 1084-1091.	12.7	18
15	Efficient antibacterial activity via protein degradation of a 3D layered double hydroxide—reduced graphene oxide nanohybrid. RSC Advances, 2016, 6, 40389-40398.	3.6	16
16	Methane dry reforming catalyst prepared by the co-deflagration of high-nitrogen energetic complexes. Journal of Materials Chemistry A, 2019, 7, 141-149.	10.3	15
17	Expanding possibilities for solid-phase crystallization by exsolving tunable Pd—NiO core—shell nanostructures. CrystEngComm, 2018, 20, 6372-6376.	2.6	12
18	Catalytic Enhancement of CO Oxidation on LaFeO <sub>3</sub> Regulated by Ruddlesden—Popper Stacking Faults. ACS Applied Materials & Interfaces, 2019, 11, 33850-33858.	8.0	11

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19	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
20	Controlling physical characteristics of DNA and DNA-CTMA thin films by embedding with graphene oxide and riboflavin. <i>Journal Physics D: Applied Physics</i> , 0, , .	2.8	4
21	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
22	DNA foams constructed by freeze drying and their optoelectronic characteristics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 217, 112648.	5.0	3
23	Synthesis and Characterization of Manganese Substituted Cerium Oxide Nanoparticles by Microwave Refluxing Method. <i>Materials Science Forum</i> , 2015, 830-831, 608-611.	0.3	2
24	Nanomaterial-Embedded DNA Films on 2D Frames. <i>ACS Applied Bio Materials</i> , 2022, 5, 2812-2818.	4.6	0