

Durga Sankar Vavilapalli

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

139
citations

1478505

6
h-index

1474206

9
g-index

9
all docs

9
docs citations

9
times ranked

115
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional brownmillerite KBiFe_2O_5 : Structural, magneto-dielectric, optical, photoelectrochemical studies and enhanced photocatalytic activity over perovskite BiFeO_3 . <i>Solar Energy Materials and Solar Cells</i> , 2019, 200, 109940.	6.2	30
2	Photoactive Brownmillerite Multiferroic KBiFe_2O_5 and Its Potential Application in Sunlight-Driven Photocatalysis. <i>ACS Omega</i> , 2018, 3, 16643-16650.	3.5	29
3	g-C ₃ N ₄ /Ca ₂ Fe ₂ O ₅ heterostructures for enhanced photocatalytic degradation of organic effluents under sunlight. <i>Scientific Reports</i> , 2021, 11, 19639.	3.3	29
4	Nitrogen Incorporated Photoactive Brownmillerite $\text{Ca}_2\text{Fe}_2\text{O}_5$ for Energy and Environmental Applications. <i>Scientific Reports</i> , 2020, 10, 2713.	3.3	20
5	Thermally Modified Iron-Inserted Calcium Phosphate for Magnetic Hyperthermia in an Acceptable Alternating Magnetic Field. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5506-5513.	2.6	18
6	Enhanced photo-fenton and photoelectrochemical activities in nitrogen doped brownmillerite KBiFe_2O_5 . <i>Scientific Reports</i> , 2022, 12, 5111.	3.3	7
7	Growth of brownmillerite $\text{Ca}_2\text{Fe}_2\text{O}_5$ single crystals under air, oxygen and argon atmospheres using optical floating zone technique: a comparative study. <i>Bulletin of Materials Science</i> , 2022, 45, 1.	1.7	3
8	Nitrogen-Ion Implantation Induced Bandgap Tailoring in Multifunctional Brownmillerite KBiFe_2O_5 . <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 061010.	1.8	2
9	Electrochemical properties of brownmillerite structured KBiFe_2O_5 . <i>Applied Surface Science Advances</i> , 2021, 6, 100162.	6.8	1