

# Durga Sankar Vavilapalli

## List of Publications by Year in descending order

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