

# Santunu Ghosh

## List of Publications by Year in descending order

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12  
papers

157  
citations

1163117

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h-index

1199594

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all docs

12  
docs citations

12  
times ranked

110  
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth and characterization of ammonium nickel-cobalt sulfate Tutton's salt for UV light applications. Journal of Crystal Growth, 2018, 487, 104-115.	1.5	25
2	Growth and optical properties of nanocrystalline Sb <sub>2</sub> Se <sub>3</sub> thin-films for the application in solar-cells. Solar Energy, 2020, 211, 613-621.	6.1	25
3	Growth and characterization of ammonium nickel-copper sulfate hexahydrate: A new crystal of Tutton's salt family for the application in solar-blind technology. Optical Materials, 2018, 85, 425-437.	3.6	21
4	Electronic properties and vibrational spectra of (NH <sub>4</sub> ) <sub>2</sub> M <sub>3</sub> (SO <sub>4</sub> ) <sub>2</sub> ·6H <sub>2</sub> O (M = Ni, Cu) Tutton's salt: DFT and experimental study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 218, 281-292.	3.9	16
5	Growth and structural analysis of ammonium nickel cobalt sulfate hexahydrate crystals. Materials Research Express, 2017, 4, 105036.	1.6	15
6	Electronic Conduction Mechanisms and Defects in Polycrystalline Antimony Selenide. Journal of Physical Chemistry C, 2020, 124, 7677-7682.	3.1	14
7	Growth and characterization of potassium cobalt nickel sulfate hexahydrate crystals: A new UV light filter. Journal of Science: Advanced Materials and Devices, 2017, 2, 354-359.	3.1	13
8	Growth, characterization and vibrational spectroscopy of (NH <sub>4</sub> ) <sub>2</sub> Ni <sub>x</sub> Mn <sub>(1-x)</sub> (SO <sub>4</sub> ) <sub>2.6</sub> H <sub>2</sub> O: Nd crystals. Materials Research Express, 2019, 6, 096302.		
9	$(\text{NH}_4)_2\text{Ni}_x\text{Mn}_{1-x}(\text{SO}_4)_{2.6}\text{H}_2\text{O}:\text{Nd}$ crystals. Materials Research Express, 2019, 6, 096302.	2.2	8
10	Epitaxial growth and characterization of Cd <sub>1-x</sub> Mn <sub>x</sub> Te films on Si(111) substrates. Journal of Crystal Growth, 2019, 522, 25-29.	1.5	5
11	Synthesis and vibrational spectroscopy of $(\text{NH}_4)_2\text{Ni}_x\text{Mn}_{1-x}(\text{SO}_4)_{2.6}\text{H}_2\text{O}:\text{Nd}$ crystals. Materials Research Express, 2019, 6, 096302.	2.2	8
12	Magnetic characterization, electronic structure and vibrational properties of (NH <sub>4</sub> ) <sub>2</sub> M(SO <sub>4</sub> ) <sub>2</sub> ·6H <sub>2</sub> O (M=Mn, Ni) crystals. Solid State Communications, 2021, 334-335, 114384.	1.9	3