

# Ramesh Deokate

## List of Publications by Year in descending order

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29  
papers

1,341  
citations

471509

17  
h-index

526287

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1568  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of nanostructured metal oxides and pure nickel oxide (NiO) electrodes for supercapacitors: A review. <i>Journal of Alloys and Compounds</i> , 2018, 734, 89-111.	5.5	381
2	Spray deposition of highly transparent fluorine doped cadmium oxide thin films. <i>Applied Surface Science</i> , 2008, 254, 2187-2195.	6.1	119
3	Properties of spray deposited Cu <sub>2</sub> ZnSnS <sub>4</sub> (CZTS) thin films. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 100, 12-16.	5.5	93
4	Gallium doping in transparent conductive ZnO thin films prepared by chemical spray pyrolysis. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 135404.	2.8	88
5	A review on energy economics and the recent research and development in energy and the Cu <sub>2</sub> ZnSnS <sub>4</sub> (CZTS) solar cells: A focus towards efficiency. <i>Solar Energy</i> , 2018, 169, 616-633.	6.1	82
6	Simple Synthesis of NiCo <sub>2</sub> O <sub>4</sub> thin films using Spray Pyrolysis for electrochemical supercapacitor application: A Novel approach. <i>Electrochimica Acta</i> , 2017, 224, 378-385.	5.2	68
7	Effect of deposition temperature on the properties of Cu <sub>2</sub> ZnSnS <sub>4</sub> (CZTS) thin films. <i>Superlattices and Microstructures</i> , 2017, 103, 335-342.	3.1	67
8	Structural, optical and electrical properties of chemically sprayed nanosized gallium doped CdO thin films. <i>Journal of Alloys and Compounds</i> , 2010, 496, 357-363.	5.5	65
9	Effect of calcining temperature on electrical and dielectric properties of cadmium stannate. <i>Applied Surface Science</i> , 2009, 255, 6675-6678.	6.1	50
10	Structural and electrochemical properties of spray deposited molybdenum trioxide (MoO <sub>3</sub> ) thin films. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2737-2746.	2.5	48
11	Physical and optical properties of sprayed Cu <sub>2</sub> ZnSnS <sub>4</sub> (CZTS) thin film: effect of Cu concentration. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 3530-3538.	2.2	38
12	Co doping effect on structural and optical properties of nickel oxide (NiO) thin films via spray pyrolysis. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	3.3	28
13	Effect of Substrate Temperature on Properties of Nickel Oxide (NiO) Thin Films by Spray Pyrolysis. <i>Journal of Electronic Materials</i> , 2019, 48, 3220-3228.	2.2	27
14	Structural and Optical Properties of Spray-deposited Cu <sub>2</sub> ZnSnS <sub>4</sub> thin Films. <i>Energy Procedia</i> , 2014, 54, 627-633.	1.8	24
15	Electrochemical properties of spray deposited nickel oxide (NiO) thin films for energy storage systems. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 125, 289-295.	5.5	24
16	Sprayed CdIn <sub>2</sub> O <sub>4</sub> thin films for liquefied petroleum gas (LPG) detection. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 954-960.	7.8	20
17	Chalcogenide nanocomposite electrodes grown by chemical etching of Ni foam as electrocatalyst for efficient oxygen evolution reaction. <i>International Journal of Energy Research</i> , 2020, 44, 1233-1243.	4.5	20
18	Liquefied petroleum gas sensing properties of sprayed nanocrystalline Ga-doped CdO thin films. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 89-94.	7.8	18

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19	Synthesis and characterization of CdIn <sub>2</sub> O <sub>4</sub> thin films by spray pyrolysis technique. Journal of Alloys and Compounds, 2009, 473, L20-L24.	5.5	17
20	Studies on the effect of nozzle-to-substrate distance on the structural, electrical and optical properties of spray deposited CdIn <sub>2</sub> O <sub>4</sub> thin films. Applied Surface Science, 2010, 256, 3522-3530.	6.1	17
21	Energy storage potential of sprayed $\lambda$ -MoO <sub>3</sub> thin films. New Journal of Chemistry, 2021, 45, 582-589.	2.8	14
22	Effect of cobalt doping on electrochemical properties of sprayed nickel oxide thin films. Materials Science for Energy Technologies, 2020, 3, 830-839.	1.8	9
23	PVA assisted growth of hydrophobic honeycomb network of CdS thin films. Journal of Alloys and Compounds, 2010, 503, 422-425.	5.5	8
24	Electrodeposited bimetallic microporous $\text{MnCu}$ oxide electrode as a highly stable electrocatalyst for oxygen evolution reaction. International Journal of Energy Research, 2022, 46, 5269-5279.	4.5	6
25	Temperature dependant physical properties of CdIn <sub>2</sub> O <sub>4</sub> thin films grown by spray pyrolysis. Superlattices and Microstructures, 2014, 76, 16-25.	3.1	4
26	Studies on nanosized molybdenum trioxide ( $\lambda$ -MoO <sub>3</sub> ) thin films. AIP Conference Proceedings, 2017, , .	0.4	2
27	Synthesis and characterization of nickel oxide (NiO) thin films. AIP Conference Proceedings, 2017, , .	0.4	2
28	Hydrothermal synthesis of $\lambda$ -Ni(OH) <sub>2</sub> and its supercapacitor properties. , 2018, , .		2
29	Chemical spray pyrolyzed kesterite Cu <sub>2</sub> ZnSnS <sub>4</sub> (CZTS) thin films. AIP Conference Proceedings, 2018, , .	0.4	0