

# S Vadivel

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

376  
citations

758635

12  
h-index

794141

19  
g-index

25  
all docs

25  
docs citations

25  
times ranked

449  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bi <sub>5</sub> FeTi <sub>3</sub> O nanotubes incorporated with g-C <sub>3</sub> N <sub>4</sub> nanosheets as novel Pt-free counter electrode in dye-sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2022, 33, 4940.	1.1	0
2	Performance enhancement of dye-sensitized solar cells by facile hydrothermal-induced BaSnO <sub>3</sub> /RGO as photoanode material. Journal of Materials Science: Materials in Electronics, 2022, 33, 7799-7810.	1.1	0
3	Dye-sensitized solar cells (DSSCs) as a potential photovoltaic technology based on La <sub>2</sub> MoO <sub>6</sub> /bio-carbon hybrid composite photoanodes with ~12.5% efficiency. Surfaces and Interfaces, 2021, 22, 100844.	1.5	7
4	Development of high sensitivity LPG and NO <sub>2</sub> gas sensor based ZnGa <sub>2</sub> O <sub>4</sub> /graphene nanoplates hybrid structure - A novel approach. Diamond and Related Materials, 2021, 111, 108167.	1.8	19
5	Design and fabrication of clad removed fiber optic based NiCo <sub>2</sub> O <sub>4</sub> sensor for detection of ethanol and acetone gases. Optik, 2021, 228, 166216.	1.4	11
6	Progress towards a novel NO <sub>2</sub> gas sensor based on SnO <sub>2</sub> /RGO hybrid sensors by a facial hydrothermal approach. Diamond and Related Materials, 2021, 116, 108418.	1.8	25
7	Effect of polypyrrole incorporated sun flower like Mn <sub>2</sub> P <sub>2</sub> O <sub>7</sub> with lab waste tissue paper derived activated carbon for asymmetric supercapacitor applications. Surfaces and Interfaces, 2021, 26, 101409.	1.5	15
8	Design and fabrication of clad modified fiber optic gas sensor based CeO <sub>2</sub> /MWCNTs hybrid sensors by facile hydrothermal technique. Diamond and Related Materials, 2020, 109, 108006.	1.8	6
9	High performance ethanol and acetone gas sensing behavior of FeCo <sub>2</sub> O <sub>4</sub> /graphene hybrid sensors prepared by facile hydrothermal route. Optik, 2020, 223, 165571.	1.4	8
10	Fiber optic ethanol gas sensor based WO <sub>3</sub> and WO <sub>3</sub> /gC <sub>3</sub> N <sub>4</sub> nanocomposites by a novel microwave technique. Optics and Laser Technology, 2019, 118, 44-51.	2.2	46
11	Development of ethanol and acetone gas sensing performance of MgCo <sub>2</sub> O <sub>4</sub> nanosensors by clad modified fiber optical method. Optical Fiber Technology, 2019, 48, 218-224.	1.4	23
12	Enhancing the structural, optical and magnetic properties of Cu <sub>2</sub> O films deposited using a SILAR technique through Fe-doping. Journal of Materials Science: Materials in Electronics, 2018, 29, 9354-9360.	1.1	9
13	A comparative investigation on humidity sensing and photocatalytic applications of Sb doped SnO <sub>2</sub> by microwave combustion route. Journal of Materials Science: Materials in Electronics, 2018, 29, 3066-3073.	1.1	1
14	High performance ethanol and acetone gas sensor based nanocrystalline MnCo <sub>2</sub> O <sub>4</sub> using clad-modified fiber optic gas sensor. Optical Materials, 2018, 85, 267-274.	1.7	34
15	A Facile Route to the Synthesis of Zn-Doped CdO Nanostructures and a Comparative Investigation on Humidity-Sensing and Photocatalytic Applications. Journal of Electronic Materials, 2018, 47, 5548-5555.	1.0	5
16	Effect of annealing temperature on structural, optical and humidity sensing properties of indium tin oxide (ITO) thin films. Journal of Materials Science: Materials in Electronics, 2017, 28, 8460-8466.	1.1	28
17	Fabrication and performance estimation of dye sensitized solar cell based on CdSe/ZnO nano particles. Journal of Materials Science: Materials in Electronics, 2017, 28, 10472-10480.	1.1	2
18	Fluorine-doped nanocrystalline ZnO powders prepared via microwave irradiation route as effective materials for photocatalyst. Journal of Materials Science: Materials in Electronics, 2017, 28, 16173-16180.	1.1	16

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19	High performance humidity sensing properties of indium tin oxide (ITO) thin films by sol-gel spin coating method. Journal of Materials Science: Materials in Electronics, 2017, 28, 2442-2447.	1.1	21
20	Fabrication of double cation (Sn+Mg) activated ZnO thin films for environmental and health care applications. Journal of Materials Science: Materials in Electronics, 2017, 28, 4414-4423.	1.1	5
21	Influence of Sol Concentration on the Properties of Spin Coated Zirconia Thin Films. IOP Conference Series: Materials Science and Engineering, 2015, 73, 012005.	0.3	0
22	Effect of W doping on structural, optical and photocatalytic activity of SnO <sub>2</sub> nanostructure thin films. Journal of Materials Science: Materials in Electronics, 2015, 26, 7127-7133.	1.1	22
23	Effect of Mg doping on structural, optical and photocatalytic activity of SnO <sub>2</sub> nanostructure thin films. Journal of Materials Science: Materials in Electronics, 2015, 26, 3155-3162.	1.1	44
24	Influence of Cu doping on structural, optical and photocatalytic activity of SnO <sub>2</sub> nanostructure thin films. Journal of Materials Science: Materials in Electronics, 2015, 26, 5863-5870.	1.1	26