

S Vadivel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7315956/publications.pdf>

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	Fiber optic ethanol gas sensor based WO ₃ and WO ₃ /gC ₃ N ₄ nanocomposites by a novel microwave technique. Optics and Laser Technology, 2019, 118, 44-51.	2.2	46
2	Effect of Mg doping on structural, optical and photocatalytic activity of SnO ₂ nanostructure thin films. Journal of Materials Science: Materials in Electronics, 2015, 26, 3155-3162.	1.1	44
3	High performance ethanol and acetone gas sensor based nanocrystalline MnCo ₂ O ₄ using clad-modified fiber optic gas sensor. Optical Materials, 2018, 85, 267-274.	1.7	34
4	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
5	Influence of Cu doping on structural, optical and photocatalytic activity of SnO ₂ nanostructure thin films. Journal of Materials Science: Materials in Electronics, 2015, 26, 5863-5870.	1.1	26
6	Progress towards a novel NO ₂ gas sensor based on SnO ₂ /RGO hybrid sensors by a facial hydrothermal approach. Diamond and Related Materials, 2021, 116, 108418.	1.8	25
7	Development of ethanol and acetone gas sensing performance of MgCo ₂ O ₄ nanosensors by clad modified fiber optical method. Optical Fiber Technology, 2019, 48, 218-224.	1.4	23
8	Effect of W doping on structural, optical and photocatalytic activity of SnO ₂ nanostructure thin films. Journal of Materials Science: Materials in Electronics, 2015, 26, 7127-7133.	1.1	22
9	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
10	Development of high sensitivity LPG and NO ₂ gas sensor based ZnGa ₂ O ₄ /graphene nanoplates hybrid structure - A novel approach. Diamond and Related Materials, 2021, 111, 108167.	1.8	19
11	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
12	Effect of polypyrrole incorporated sun flower like Mn ₂ P ₂ O ₇ with lab waste tissue paper derived activated carbon for asymmetric supercapacitor applications. Surfaces and Interfaces, 2021, 26, 101409.	1.5	15
13	Design and fabrication of clad removed fiber optic based NiCo ₂ O ₄ sensor for detection of ethanol and acetone gases. Optik, 2021, 228, 166216.	1.4	11
14	Enhancing the structural, optical and magnetic properties of Cu ₂ O films deposited using a SILAR technique through Fe-doping. Journal of Materials Science: Materials in Electronics, 2018, 29, 9354-9360.	1.1	9
15	High performance ethanol and acetone gas sensing behavior of FeCo ₂ O ₄ /graphene hybrid sensors prepared by facile hydrothermal route. Optik, 2020, 223, 165571.	1.4	8
16	Dye-sensitized solar cells (DSSCs) as a potential photovoltaic technology based on La ₂ MoO ₆ /bio-carbon hybrid composite photoanodes with ~12.5% efficiency. Surfaces and Interfaces, 2021, 22, 100844.	1.5	7
17	Design and fabrication of clad modified fiber optic gas sensor based CeO ₂ /MWCNTs hybrid sensors by facile hydrothermal technique. Diamond and Related Materials, 2020, 109, 108006.	1.8	6
18	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

#	ARTICLE	IF	CITATIONS
19	A Facile Route to the Synthesis of Zn-Doped CdO Nanostructures and a Comparative Investigation on Humidity-Sensing and Photocatalytic Applications. <i>Journal of Electronic Materials</i> , 2018, 47, 5548-5555.	1.0	5
20	Fabrication and performance estimation of dye sensitized solar cell based on CdSe/ZnO nano particles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10472-10480.	1.1	2
21	A comparative investigation on humidity sensing and photocatalytic applications of Sb doped SnO ₂ by microwave combustion route. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 3066-3073.	1.1	1
22	Influence of Sol Concentration on the Properties of Spin Coated Zirconia Thin Films. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 73, 012005.	0.3	0
23	Bi ₅ FeTi ₃ O nanotubes incorporated with g-C ₃ N ₄ nanosheets as novel Pt-free counter electrode in dye-sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 4940.	1.1	0
24	Performance enhancement of dye-sensitized solar cells by facile hydrothermal-induced BaSnO ₃ /RGO as photoanode material. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 7799-7810.	1.1	0