B Chethan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6357831/publications.pdf

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29	582	567281 15	752698 20
papers	citations	h-index	g-index

29	29	29	325
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancing humidity sensing performance of polyaniline/water soluble graphene oxide composite. Talanta, 2019, 196, 337-344.	5.5	74
2	Polyaniline based stable humidity sensor operable at room temperature. Physica B: Condensed Matter, 2019, 561, 170-178.	2.7	62
3	Nickel substituted cadmium ferrite as room temperature operable humidity sensor. Sensors and Actuators A: Physical, 2018, 280, 466-474.	4.1	56
4	Polypyyrole based core-shell structured composite based humidity Sensor operable at room temperature. Sensors and Actuators B: Chemical, 2019, 296, 126639.	7.8	46
5	Polypyrroleâ€“Tantalum disulfide composite: An efficient material for fabrication of room temperature operable humidity sensor. Sensors and Actuators A: Physical, 2019, 298, 111593.	4.1	43
6	Humidity sensing performance of hybrid nanorods of polyaniline-Yttrium oxide composite prepared by mechanical mixing method. Talanta, 2020, 215, 120906.	5.5	41
7	Enhanced humidity sensing performance of Samarium doped Lanthanum Aluminate at room temperature. Sensors and Actuators A: Physical, 2020, 304, 111903.	4.1	36
8	Room temperature humidity sensing performance of polyanilineâ€“holmium oxide composite. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	32
9	Enhanced humidity sensing and magnetic properties of bismuth doped copper ferrites for humidity sensor applications. Journal of Alloys and Compounds, 2020, 848, 156577.	5.5	31
10	Rapid response in recovery time, humidity sensing behavior and magnetic properties of rare earth(Dy) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.8	24
11	Effect of mechanical mixing method of preparation of polyaniline-transition metal oxide composites on DC conductivity and humidity sensing response. Journal of Materials Science: Materials in Electronics, 2018, 29, 7253-7261.	2.2	23
12	A tungsten disulphideâ€“polypyrrole composite-based humidity sensor at room temperature. Bulletin of Materials Science, 2019, 42, 1.	1.7	23
13	Room temperature humidity sensor based on polyaniline-tungsten disulfide composite. AIP Conference Proceedings, 2018, , .	0.4	18
14	Role of molybdenum trioxide in enhancing the humidity sensing performance of magnesium ferrite/molybdenum trioxide composite. Inorganic Chemistry Communication, 2018, 98, 68-74.	3.9	17
15	Role of dysprosium in enhancing the humidity sensing performance in manganese zinc ferrites for sensor applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 23554-23565.	2.2	17
16	Structural and AC Electrical Properties of Tantalum Disulfide Embedded Polyaniline Composites. Journal of Materials Engineering and Performance, 2021, 30, 1885-1894.	2.5	10
17	Enhanced Humidity Sensing Response in Eu3+-Doped Iron-Rich CuFe2O4: A Detailed Study of Structural, Microstructural, Sensing, and Dielectric Properties. , 0, , .		8
18	Humidity sensing behaviour of Rubidium-doped Magnesium ferrite for sensor applications. Journal of Materials Science: Materials in Electronics, 0, , 1.	2.2	7

#	Article	IF	Citations
19	Structural, Optical and Electrical Properties of Ce Doped SnO2 Nanoparticles Prepared by Surfactant Assisted Gel Combustion Method. Journal of Nano- and Electronic Physics, 2020, 12, 04017-1-04017-6.	0.5	4
20	Structural and electrical properties of nickel substituted cadmium ferrite. AIP Conference Proceedings, 2018, , .	0.4	2
21	Tantalum disulfide as Room Temperature Operable Efficient Humidity Sensor. , 2020, , .		2
22	Alternating current response studies on polyaniline-neodymium oxide composites. AIP Conference Proceedings, 2020, , .	0.4	2
23	Carbon nanomaterial-based sensor safety in different fields. , 2022, , 315-332.		2
24	Alternating current response studies on nickel ferrite-niobium composite at room temperature. AIP Conference Proceedings, 2018, , .	0.4	1
25	Nanostructures for humidity sensing and photocatalytic applications. , 2021, , 327-359.		1
26	Effect of titanium dioxide in enhancing the humidity sensing performance of polypyrrole. AIP Conference Proceedings, 2020, , .	0.4	0
27	Effect of chromium oxide in improving humidity sensing properties of polypyrrole/chromium oxide composite. AIP Conference Proceedings, 2020, , .	0.4	0
28	Room temperature AC electrical properties of polypyrrole/chromium oxide composite. AIP Conference Proceedings, 2020, , .	0.4	0
29	Enhancement of the humidity sensing performance of polypyrrole: Role of green tea extracted copper nanoparticles. AIP Conference Proceedings, 2020, , .	0.4	0