

Ritu Malik

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,928
citations

257101

24
h-index

500791

28
g-index

35
all docs

35
docs citations

35
times ranked

1979
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional graphitic carbon (IV) nitride: A versatile sensing material. Coordination Chemistry Reviews, 2022, 466, 214611.	9.5	22
2	Carbon nitride-based optical sensors for metal ion detection. , 2022, , 245-259.		0
3	Solar energy harvesting with carbon nitrides. , 2022, , 81-107.		0
4	State-of-the-art review of morphological advancements in graphitic carbon nitride (g-CN) for sustainable hydrogen production. Renewable and Sustainable Energy Reviews, 2021, 135, 110235.	8.2	114
5	Advances in the designs and mechanisms of MoO ₃ nanostructures for gas sensors: a holistic review. Materials Advances, 2021, 2, 4190-4227.	2.6	52
6	Nanosensors for monitoring indoor pollution in smart cities. , 2020, , 251-266.		9
7	Functional gas sensing nanomaterials: A panoramic view. Applied Physics Reviews, 2020, 7, .	5.5	295
8	Hybridized Graphitic Carbon Nitride (g-CN) as High Performance VOCs Sensor. Materials Horizons, 2020, , 285-302.	0.3	7
9	Recent Advances on UV-Enhanced Oxide Nanostructures Gas Sensors. Materials Horizons, 2020, , 143-159.	0.3	3
10	Superior Humidity Sensing Performance of Au/g-C ₃ N ₄ Nanocomposite. Sensor Letters, 2019, 17, 206-212.	0.4	5
11	Superior visible light photocatalysis and low-operating temperature VOCs sensor using cubic Ag(0)-MoS ₂ loaded g-CN 3D porous hybrid. Applied Materials Today, 2019, 16, 193-203.	2.3	50
12	Silver Doped Graphitic Carbon Nitride for the Enhanced Photocatalytic Activity Towards Organic Dyes. Journal of Nanoscience and Nanotechnology, 2019, 19, 5241-5248.	0.9	55
13	Aero-gel based CeO ₂ nanoparticles: synthesis, structural properties and detailed humidity sensing response. Journal of Materials Chemistry C, 2019, 7, 5477-5487.	2.7	62
14	Photocatalytic Activity of Green Synthesized AgCl Nanoparticles Towards <i>E. coli</i> Bacteria. Journal of Nanoscience and Nanotechnology, 2019, 19, 5249-5255.	0.9	26
15	Hybridized Graphene for Chemical Sensing. , 2019, , 323-338.		14
16	Noble Metals Metal Oxide Mesoporous Nanohybrids in Humidity and Gas Sensing Applications. , 2019, , 283-302.		11
17	Cubic mesoporous PdWO ₃ loaded graphitic carbon nitride (g-CN) nanohybrids: highly sensitive and temperature dependent VOC sensors. Journal of Materials Chemistry A, 2018, 6, 10718-10730.	5.2	145
18	A low temperature, highly sensitive and fast response toluene gas sensor based on In(III)-SnO ₂ loaded cubic mesoporous graphitic carbon nitride. Sensors and Actuators B: Chemical, 2018, 255, 3564-3575.	4.0	85

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19	Au@TiO ₂ -Loaded Cubic g-C ₃ N ₄ Nanohybrids for Photocatalytic and Volatile Organic Amine Sensing Applications. ACS Applied Materials & Interfaces, 2018, 10, 34087-34097.	4.0	132
20	Near-Room-Temperature Ethanol Detection Using Ag-Loaded Mesoporous Carbon Nitrides. ACS Omega, 2017, 2, 3658-3668.	1.6	75
21	Ordered mesoporous In-(TiO ₂ /WO ₃) nanohybrid: An ultrasensitive n-butanol sensor. Sensors and Actuators B: Chemical, 2017, 239, 364-373.	4.0	90
22	An excellent humidity sensor based on In@SnO ₂ loaded mesoporous graphitic carbon nitride. Journal of Materials Chemistry A, 2017, 5, 14134-14143.	5.2	120
23	Facile Synthesis of Hybridized Mesoporous Au@TiO ₂ /SnO ₂ as Efficient Photocatalyst and Selective VOC Sensor. ChemistrySelect, 2016, 1, 3247-3258.	0.7	40
24	Highly sensitive and selective volatile organic amine (VOA) sensors using mesoporous WO ₃ @SnO ₂ nanohybrids. Sensors and Actuators B: Chemical, 2016, 229, 321-330.	4.0	87
25	Nano gold supported on ordered mesoporous WO ₃ /SBA-15 hybrid nanocomposite for oxidative decolorization of azo dye. Microporous and Mesoporous Materials, 2016, 225, 245-254.	2.2	56
26	Humidity Sensing Properties of Ag ⁰ Nanoparticles Supported on WO ₃ @SiO ₂ with Super Rapid Response and Excellent Stability. European Journal of Inorganic Chemistry, 2015, 2015, 5232-5240.	1.0	31
27	A Novel Highly Sensitive Humidity Sensor Based on ZnO/SBA-15 Hybrid Nanocomposite. Journal of the American Ceramic Society, 2015, 98, 3719-3725.	1.9	47
28	One pot synthesis of mesoporous ZnO@SiO ₂ nanocomposite as high performance humidity sensor. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 483, 121-128.	2.3	64
29	Surfactant assisted hydrothermal synthesis of porous 3-D hierarchical SnO ₂ nanoflowers for photocatalytic degradation of Rose Bengal. Materials Letters, 2015, 154, 124-127.	1.3	48
30	One-Pot Hydrothermal Synthesis of Porous SnO ₂ /SBA-15 Nanostructures for Photocatalytic Degradation of Organic Pollutants. Energy and Environment Focus, 2015, 4, 340-345.	0.3	39
31	Effect of in-situ loading of nano titania particles on structural ordering of mesoporous SBA-15 framework. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 466, 160-165.	2.3	41
32	One pot direct synthesis of mesoporous SnO ₂ /SBA-15 nanocomposite by the hydrothermal method. Materials Letters, 2014, 132, 228-230.	1.3	36