

# Ritu Malik

## List of Publications by Year in descending order

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32  
papers

1,928  
citations

257101

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500791

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g-index

35  
all docs

35  
docs citations

35  
times ranked

1979  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional gas sensing nanomaterials: A panoramic view. Applied Physics Reviews, 2020, 7, .	5.5	295
2	Cubic mesoporous Pd <sup>2+</sup> /WO <sub>3</sub> 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
3	Au <sup>3+</sup> /TiO <sub>2</sub> -Loaded Cubic g-C <sub>3</sub> N <sub>4</sub> Nanohybrids for Photocatalytic and Volatile Organic Amine Sensing Applications. ACS Applied Materials & Interfaces, 2018, 10, 34087-34097.	4.0	132
4	An excellent humidity sensor based on In <sup>3+</sup> /SnO <sub>2</sub> loaded mesoporous graphitic carbon nitride. Journal of Materials Chemistry A, 2017, 5, 14134-14143.	5.2	120
5	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
6	Ordered mesoporous In-(TiO <sub>2</sub> /WO <sub>3</sub> ) nanohybrid: An ultrasensitive n-butanol sensor. Sensors and Actuators B: Chemical, 2017, 239, 364-373.	4.0	90
7	Highly sensitive and selective volatile organic amine (VOA) sensors using mesoporous WO <sub>3</sub> /SnO <sub>2</sub> nanohybrids. Sensors and Actuators B: Chemical, 2016, 229, 321-330.	4.0	87
8	A low temperature, highly sensitive and fast response toluene gas sensor based on In(III)-SnO <sub>2</sub> loaded cubic mesoporous graphitic carbon nitride. Sensors and Actuators B: Chemical, 2018, 255, 3564-3575.	4.0	85
9	Near-Room-Temperature Ethanol Detection Using Ag-Loaded Mesoporous Carbon Nitrides. ACS Omega, 2017, 2, 3658-3668.	1.6	75
10	One pot synthesis of mesoporous ZnO/SiO <sub>2</sub> nanocomposite as high performance humidity sensor. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 483, 121-128.	2.3	64
11	Aero-gel based CeO <sub>2</sub> nanoparticles: synthesis, structural properties and detailed humidity sensing response. Journal of Materials Chemistry C, 2019, 7, 5477-5487.	2.7	62
12	Nano gold supported on ordered mesoporous WO <sub>3</sub> /SBA-15 hybrid nanocomposite for oxidative decolorization of azo dye. Microporous and Mesoporous Materials, 2016, 225, 245-254.	2.2	56
13	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
14	Advances in the designs and mechanisms of MoO <sub>3</sub> nanostructures for gas sensors: a holistic review. Materials Advances, 2021, 2, 4190-4227.	2.6	52
15	Superior visible light photocatalysis and low-operating temperature VOCs sensor using cubic Ag(0)-MoS <sub>2</sub> loaded g-CN 3D porous hybrid. Applied Materials Today, 2019, 16, 193-203.	2.3	50
16	Surfactant assisted hydrothermal synthesis of porous 3-D hierarchical SnO <sub>2</sub> nanoflowers for photocatalytic degradation of Rose Bengal. Materials Letters, 2015, 154, 124-127.	1.3	48
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Facile Synthesis of Hybridized Mesoporous Au@TiO <sub>2</sub> /SnO <sub>2</sub> as Efficient Photocatalyst and Selective VOC Sensor. ChemistrySelect, 2016, 1, 3247-3258.	0.7	40
20	One-Pot Hydrothermal Synthesis of Porous SnO <sub>2</sub> /SBA-15 Nanostructures for Photocatalytic Degradation of Organic Pollutants. Energy and Environment Focus, 2015, 4, 340-345.	0.3	39
21	One pot direct synthesis of mesoporous SnO <sub>2</sub> /SBA-15 nanocomposite by the hydrothermal method. Materials Letters, 2014, 132, 228-230.	1.3	36
22	Humidity Sensing Properties of Ag <sup>0</sup> Nanoparticles Supported on WO <sub>3</sub> •SiO <sub>2</sub> with Super Rapid Response and Excellent Stability. European Journal of Inorganic Chemistry, 2015, 2015, 5232-5240.	1.0	31
23	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
24	Functional graphitic carbon (IV) nitride: A versatile sensing material. Coordination Chemistry Reviews, 2022, 466, 214611.	9.5	22
25	Hybridized Graphene for Chemical Sensing. , 2019, , 323-338.		14
26	Noble Metals Metal Oxide Mesoporous Nanohybrids in Humidity and Gas Sensing Applications. , 2019, , 283-302.		11
27	Nanosensors for monitoring indoor pollution in smart cities. , 2020, , 251-266.		9
28	Hybridized Graphitic Carbon Nitride (g-CN) as High Performance VOCs Sensor. Materials Horizons, 2020, , 285-302.	0.3	7
29	Superior Humidity Sensing Performance of Au/g-C <sub>3</sub> N <sub>4</sub> Nanocomposite. Sensor Letters, 2019, 17, 206-212.	0.4	5
30	Recent Advances on UV-Enhanced Oxide Nanostructures Gas Sensors. Materials Horizons, 2020, , 143-159.	0.3	3
31	Carbon nitride-based optical sensors for metal ion detection. , 2022, , 245-259.		0
32	Solar energy harvesting with carbon nitrides. , 2022, , 81-107.		0