

# M Shahnawaze Ansari

## List of Publications by Year in descending order

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39  
papers

1,464  
citations

394421

19  
h-index

345221

36  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1684  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial Mechanisms and Effectiveness of Graphene and Graphene-Functionalized Biomaterials. A Scope Review. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 465.	4.1	165
2	Study of electrical properties of nickel doped SnO <sub>2</sub> ceramic nanoparticles. <i>Journal of Alloys and Compounds</i> , 2010, 506, 237-242.	5.5	141
3	Low temperature-fired Ni-Cu-Zn ferrite nanoparticles through auto-combustion method for multilayer chip inductor applications. <i>Nanoscale Research Letters</i> , 2012, 7, 112.	5.7	126
4	Structural, electrical and magnetic properties of (Fe, Co) co-doped SnO <sub>2</sub> diluted magnetic semiconductor nanostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 65, 84-92.	2.7	102
5	RF sputtered CuO thin films: Structural, optical and photo-catalytic behavior. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 81, 83-90.	2.7	102
6	Annealed SnO <sub>2</sub> thin films: Structural, electrical and their magnetic properties. <i>Thin Solid Films</i> , 2015, 589, 57-65.	1.8	88
7	Metal free earth abundant elemental red phosphorus: a new class of visible light photocatalyst and photoelectrode materials. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3921-3928.	2.8	74
8	CeO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> nanocomposite: A perspective for electrochemical sensing of anti-depressant drug. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1226-1236.	7.8	67
9	Rutile-type Co doped SnO <sub>2</sub> diluted magnetic semiconductor nanoparticles: Structural, dielectric and ferromagnetic behavior. <i>Physica B: Condensed Matter</i> , 2013, 430, 106-113.	2.7	56
10	Single-step green route synthesis of Au/Ag bimetallic nanoparticles using clove buds extract: Enhancement in antioxidant bio-efficacy and catalytic activity. <i>Materials Science and Engineering C</i> , 2020, 116, 111153.	7.3	55
11	Annealing dependent oxygen vacancies in SnO <sub>2</sub> nanoparticles: Structural, electrical and their ferromagnetic behavior. <i>Materials Chemistry and Physics</i> , 2016, 171, 109-118.	4.0	54
12	WO <sub>3</sub> decorated graphene nanocomposite based electrochemical sensor: A prospect for the detection of anti-anginal drug. <i>Analytica Chimica Acta</i> , 2019, 1046, 99-109.	5.4	53
13	Ni Doped CuO Nanoparticles: Structural and Optical Characterizations. <i>Current Nanoscience</i> , 2015, 11, 191-197.	1.2	48
14	Bi <sub>2</sub> O <sub>3</sub> /ZnO nanocomposite: Synthesis, characterizations and its application in electrochemical detection of balofloxacin as an anti-biotic drug. <i>Journal of Pharmaceutical Analysis</i> , 2021, 11, 57-67.	5.3	38
15	CuO sputtered flexible polyaniline@graphene thin films:A recyclable photocatalyst with enhanced electrical properties. <i>Composites Part B: Engineering</i> , 2019, 175, 107092.	12.0	36
16	The photocatalytic activity of graphene oxide/Ag <sub>3</sub> PO <sub>4</sub> nano-composite: Loading effect. <i>Optik</i> , 2016, 127, 10746-10757.	2.9	31
17	Structural, Dielectric and Complex Impedance Properties of Cd Doped SnO <sub>2</sub> Nanoparticles. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2013, 3, 229-236.	0.3	26
18	Formation of Mn-Doped SnO <sub>2</sub> Nanoparticles Via the Microwave Technique: Structural, Optical and Electrical Properties. <i>Nanomaterials and Nanotechnology</i> , 2016, 6, 17.	3.0	24

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19	Reactively sputtered half-metallic Fe <sub>3</sub> O <sub>4</sub> thin films at room temperature on polymethyl methacrylate: A perspective for flexible spintronics. <i>Ceramics International</i> , 2020, 46, 19302-19310.	4.8	21
20	Room temperature growth of half-metallic Fe <sub>3</sub> O <sub>4</sub> thin films on polycarbonate by reactive sputtering: Heterostructures for flexible spintronics. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152532.	5.5	20
21	Magnetite thin films grown on different flexible polymer substrates at room temperature: Role of antiphase boundaries in electrical and magnetic properties. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156368.	5.5	20
22	CeO <sub>2</sub> nanoparticles based electrochemical sensor for an anti-anginal drug. <i>Materials Today: Proceedings</i> , 2019, 18, 1210-1219.	1.8	16
23	Zinc Oxide-Multi Walled Carbon Nanotubes Nanocomposites for Carbon Monoxide Gas Sensor Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 439-447.	0.9	15
24	Phyto-mediated synthesis of Pt and Au/Pt bimetallic nanoparticles using <i>Syzygium aromaticum</i> bud-extract: Study of their catalytic, antibacterial, and antioxidant activities. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 111, 499-508.	5.8	15
25	Influence of HF concentration and current density on characteristic morphological features of mesoporous silicon. <i>Microporous and Mesoporous Materials</i> , 2017, 249, 176-190.	4.4	13
26	Electrochemical sensing platform based on ZrO <sub>2</sub> /BiVO <sub>4</sub> nanocomposite for gastro-prokinetic drug in human blood serum. <i>Journal of Nanostructure in Chemistry</i> , 2023, 13, 361-375.	9.1	11
27	Large spin-dependent tunneling magnetoresistance in Fe <sub>3</sub> O <sub>4</sub> /PET heterostructures developed at room temperature: A promising candidate for flexible and wearable spintronics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 265, 115033.	3.5	10
28	Progress in Fe <sub>3</sub> O <sub>4</sub> -centered spintronic systems: Development, architecture, and features. <i>Applied Materials Today</i> , 2021, 25, 101181.	4.3	9
29	Data Fitting to Study Ablated Hard Dental Tissues by Nanosecond Laser Irradiation. <i>PLoS ONE</i> , 2016, 11, e0156093.	2.5	8
30	Characterization of an amorphous indium tin oxide (ITO) film on a polylactic acid (PLA) substrate. <i>Bulletin of Materials Science</i> , 2019, 42, 1.	1.7	6
31	Ferrimagnetic Ordering of Ti <sup>4+</sup> Doped Mn <sub>1-x</sub> Fe <sub>2x</sub> O <sub>4</sub> (0 ≤ x ≤ 0.5) Ferrites at Room Temperature. <i>Science of Advanced Materials</i> , 2011, 3, 120-126.	0.7	4
32	Temperature-dependent heterojunction device characteristics of n-ZnO nanorods/p-Si assembly. <i>Materials Express</i> , 2020, 10, 29-36.	0.5	3
33	Structural and dielectric properties of Ni-Cu-Mg nanoferrites. <i>AIP Conference Proceedings</i> , 2012, , .	0.4	2
34	Carbon Mono-Oxide Gas Sensing Based on Multi-Walled Carbon Nanotubes Decorated with Gold Nanoparticles Based Film Sensors. <i>Advanced Science Letters</i> , 2014, 20, 1268-1273.	0.2	2
35	Investigating the optimum parameters of a negative photoresist to prepare a V-grooved diffraction grating on Si using photolithography and reactive ion etching techniques. <i>Ceramics International</i> , 2021, 47, 10705-10715.	4.8	1
36	Aerogel and its composites: fabrication and properties. , 2021, , 1-17.		1

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37	Studies on Carbon Mono-Oxide Gas Sensing of Carbon Nanotubes Film. Advanced Science Letters, 2014, 20, 1597-1600.	0.2	1
38	Influence of Ti <sup>4+</sup> Doping on Dc Conductivity of Mn Ferrites. , 2011, , .		0
39	RF sputtered CuO thin films for spintronics application. , 2016, , .		0