M Shahnawaze Ansari

List of Publications by Year
in descending order

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	Electrochemical sensing platform based on ZrO2/BiVO4 nanocomposite for gastro-prokinetic drug in human blood serum. Journal of Nanostructure in Chemistry, 2023, 13, 361-375.	9.1	11
2	Phyto-mediated synthesis of Pt and Au/Pt bimetallic nanoparticles using Syzygium aromaticum bud-extract: Study of their catalytic, antibacterial, and antioxidant activities. Journal of Industrial and Engineering Chemistry, 2022, 111, 499-508.	5.8	15
3	Bi2O3/ZnO nanocomposite: Synthesis, characterizations and its application in electrochemical detection of balofloxacin as an anti-biotic drug. Journal of Pharmaceutical Analysis, 2021, 11, 57-67.	5.3	38
4	Large spin-dependent tunneling magnetoresistance in Fe3O4/PET heterostructures developed at room temperature: A promising candidate for flexible and wearable spintronics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 265, 115033.	3.5	10
5	Investigating the optimum parameters of a negative photoresist to prepare a V-grooved diffraction grating on Si using photolithography and reactive ion etching techniques. Ceramics International, 2021, 47, 10705-10715.	4.8	1
6	Progress in Fe3O4-centered spintronic systems: Development, architecture, and features. Applied Materials Today, 2021, 25, 101181.	4.3	9
7	Aerogel and its composites: fabrication and properties. , 2021, , 1-17.		1
8	Room temperature growth of half-metallic Fe3O4 thin films on polycarbonate by reactive sputtering: Heterostructures for flexible spintronics. Journal of Alloys and Compounds, 2020, 816, 152532.	5.5	20
9	Magnetite thin films grown on different flexible polymer substrates at room temperature: Role of antiphase boundaries in electrical and magnetic properties. Journal of Alloys and Compounds, 2020, 846, 156368.	5.5	20
10	Reactively sputtered half-metallic Fe3O4 thin films at room temperature on polymethyl methacrylate: A perspective for flexible spintronics. Ceramics International, 2020, 46, 19302-19310.	4.8	21
11	Single-step green route synthesis of Au/Ag bimetallic nanoparticles using clove buds extract: Enhancement in antioxidant bio-efficacy and catalytic activity. Materials Science and Engineering C, 2020, 116, 111153.	7.3	55
12	Temperature-dependent heterojunction device characteristics of n-ZnO nanorods/p-Si assembly. Materials Express, 2020, 10, 29-36.	0.5	3
13	Antimicrobial Mechanisms and Effectiveness of Graphene and Graphene-Functionalized Biomaterials. A Scope Review. Frontiers in Bioengineering and Biotechnology, 2020, 8, 465.	4.1	165
14	CuO sputtered flexible polyaniline@graphene thin films:A recyclable photocatalyst with enhanced electrical properties. Composites Part B: Engineering, 2019, 175, 107092.	12.0	36
15	CeO2 nanoparticles based electrochemical sensor for an anti-anginal drug. Materials Today: Proceedings, 2019, 18, 1210-1219.	1.8	16
16	Characterization of an amorphous indium tin oxide (ITO) film on a polylactic acid (PLA) substrate. Bulletin of Materials Science, 2019, 42, 1.	1.7	6
17	WO3 decorated graphene nanocomposite based electrochemical sensor: A prospect for the detection of anti-anginal drug. Analytica Chimica Acta, 2019, 1046, 99-109.	5.4	53
18	CeO2/g-C3N4 nanocomposite: A perspective for electrochemical sensing of anti-depressant drug. Sensors and Actuators B: Chemical, 2018, 273, 1226-1236.	7.8	67

#	Article	IF	Citations
19	Influence of HF concentration and current density on characteristic morphological features of mesoporous silicon. Microporous and Mesoporous Materials, 2017, 249, 176-190.	4.4	13
20	Data Fitting to Study Ablated Hard Dental Tissues by Nanosecond Laser Irradiation. PLoS ONE, 2016, 11, e0156093.	2.5	8
21	Formation of Mn-Doped SnO₂ Nanoparticles Via the Microwave Technique: Structural, Optical and Electrical Properties. Nanomaterials and Nanotechnology, 2016, 6, 17.	3.0	24
22	RF sputtered CuO thin films: Structural, optical and photo-catalytic behavior. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 81, 83-90.	2.7	102
23	The photocatalytic activity of graphene oxide/Ag3PO4 nano-composite: Loading effect. Optik, 2016, 127, 10746-10757.	2.9	31
24	Metal free earth abundant elemental red phosphorus: a new class of visible light photocatalyst and photoelectrode materials. Physical Chemistry Chemical Physics, 2016, 18, 3921-3928.	2.8	74
25	Zinc Oxide-Multi Walled Carbon Nanotubes Nanocomposites for Carbon Monoxide Gas Sensor Application. Journal of Nanoscience and Nanotechnology, 2016, 16, 439-447.	0.9	15
26	Annealing dependent oxygen vacancies in SnO2 nanoparticles: Structural, electrical and their ferromagnetic behavior. Materials Chemistry and Physics, 2016, 171, 109-118.	4.0	54
27	RF sputtered CuO thin films for spintronics application. , 2016, , .		0
28	Annealed SnO2 thin films: Structural, electrical and their magnetic properties. Thin Solid Films, 2015, 589, 57-65.	1.8	88
29	Structural, electrical and magnetic properties of (Fe, Co) co-doped SnO2 diluted magnetic semiconductor nanostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 65, 84-92.	2.7	102
30	Ni Doped CuO Nanoparticles: Structural and Optical Characterizations. Current Nanoscience, 2015, 11, 191-197.	1.2	48
31	Carbon Mono-Oxide Gas Sensing Based on Multi-Walled Carbon Nanotubes Decorated with Gold Nanoparticles Based Film Sensors. Advanced Science Letters, 2014, 20, 1268-1273.	0.2	2
32	Studies on Carbon Mono-Oxide Gas Sensing of Carbon Nanotubes Film. Advanced Science Letters, 2014, 20, 1597-1600.	0.2	1
33	Rutile-type Co doped SnO2 diluted magnetic semiconductor nanoparticles: Structural, dielectric and ferromagnetic behavior. Physica B: Condensed Matter, 2013, 430, 106-113.	2.7	56
34	Structural, Dielectric and Complex Impedance Properties of Cd Doped SnO₂ Nanoparticles. Journal of Nanoengineering and Nanomanufacturing, 2013, 3, 229-236.	0.3	26
35	Structural and dielectric properties of Ni-Cu-Mg nanoferrites. AIP Conference Proceedings, 2012, , .	0.4	2
36	Low temperature-fired Ni-Cu-Zn ferrite nanoparticles through auto-combustion method for multilayer chip inductor applications. Nanoscale Research Letters, 2012, 7, 112.	5.7	126

#	Article	IF	Citations
37	Influence of Ti[sup 4+] Doping on Dc Conductivity of Mn Ferrites. , 2011, , .		0
38	Ferrimagnetic Ordering of Ti⁴⁺ Doped Mn_{1+<I>x</I>}Fe_{2â^'2<I>x</I>}O₄ (0 â‰¤ <I>x</I> â‰¤ 0.5) Ferrites at Room Temperature. Science of Advanced Materials, 2011, 3, 120-126.	0.7	4
39	Study of electrical properties of nickel doped SnO2 ceramic nanoparticles. Journal of Alloys and Compounds, 2010, 506, 237-242.	5.5	141