

Mohd Omaish Ansari

List of Publications by Year in descending order

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150
papers

9,984
citations

28242

55
h-index

38368

95
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153
all docs

153
docs citations

153
times ranked

11797
citing authors

#	ARTICLE	IF	CITATIONS
1	Electroconductive biomaterials for cardiac tissue engineering. <i>Acta Biomaterialia</i> , 2022, 139, 118-140.	4.1	61
2	Manganese oxide as an effective electrode material for energy storage: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 283-309.	8.3	44
3	Development of Binder Free Interconnected 3D Flower of NiZn ₂ O ₄ as an Advanced Electrode Materials for Supercapacitor Applications. <i>Crystals</i> , 2022, 12, 14.	1.0	10
4	Phenol removal and hydrogen production from water: Silver nanoparticles decorated on polyaniline wrapped zinc oxide nanorods. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 109, 347-358.	2.9	14
5	Concentration Dependent Improved Spectroscopic Characteristics and Near White Light Emission in Boro Phosphate Glasses Doped with Holmium. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2632.	1.3	8
6	Silver Nanoparticle Decorated on Reduced Graphene Oxide-Wrapped Manganese Oxide Nanorods as Electrode Materials for High-Performance Electrochemical Devices. <i>Crystals</i> , 2022, 12, 389.	1.0	13
7	Semi-Polycrystalline "Polyaniline Empowered Electrochemical Capacitor. <i>Energies</i> , 2022, 15, 2001.	1.6	10
8	Synergistic performance of $\text{Fe}_3\text{O}_4/\text{SnO}_2/\text{rGO}$ nanocomposite for supercapacitor and visible light responsive photocatalysis. <i>International Journal of Energy Research</i> , 2022, 46, 6517-6528.	2.2	10
9	Freestanding Activated Carbon Nanocomposite Electrodes for Capacitive Deionization of Water. <i>Polymers</i> , 2022, 14, 2891.	2.0	3
10	Aerogels in photocatalysis. , 2021, , 87-108.		1
11	Green synthesis, characterization, application and functionality of nitrogen-doped MgO/graphene nanocomposite. <i>Environmental Science and Pollution Research</i> , 2021, 28, 28014-28023.	2.7	8
12	DC electrical conductivity retention and acetone/acetaldehyde sensing on polythiophene/molybdenum disulphide composites. <i>Polymers and Polymer Composites</i> , 2021, 29, S422-S431.	1.0	7
13	Large spin-dependent tunneling magnetoresistance in Fe ₃ O ₄ /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.	1.7	10
14	Fabrication of binary SnO ₂ /TiO ₂ nanocomposites under a sonication-assisted approach: Tuning of band-gap and water depollution applications under visible light irradiation. <i>Ceramics International</i> , 2021, 47, 15073-15081.	2.3	36
15	Graphitic carbon nitride based mixed-phase bismuth nanostructures: Tuned optical and structural properties with boosted photocatalytic performance for wastewater decontamination under visible-light irradiation. <i>NanoImpact</i> , 2021, 23, 100345.	2.4	8
16	Properties and application of MoS ₂ nanopowder: Characterization, Congo red dye adsorption, and optimization. <i>Journal of Materials Research and Technology</i> , 2021, 13, 1169-1180.	2.6	39
17	Ag-modified SnO ₂ -graphitic-carbon nitride nanostructures for electrochemical sensor applications. <i>Ceramics International</i> , 2021, 47, 23578-23589.	2.3	36
18	Silver Nanoparticles Embedded on Reduced Graphene Oxide@Copper Oxide Nanocomposite for High Performance Supercapacitor Applications. <i>Materials</i> , 2021, 14, 5032.	1.3	14

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19	Direct current deposited NiO on polyaniline@MoS ₂ flexible thin film for highly efficient solar light mineralization of 2-chlorophenol: A mechanistic analysis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 129, 370-380.	2.7	4
20	Adsorption promoted visible-light-induced photocatalytic degradation of antibiotic tetracycline by tin oxide/cerium oxide nanocomposite. <i>Applied Surface Science</i> , 2021, 565, 150337.	3.1	62
21	Progress in Fe ₃ O ₄ -centered spintronic systems: Development, architecture, and features. <i>Applied Materials Today</i> , 2021, 25, 101181.	2.3	9
22	A sensitive electrochemical detection of hydrazine based on SnO ₂ /CeO ₂ nanostructured oxide. <i>Microchemical Journal</i> , 2021, 171, 106784.	2.3	38
23	Ternary nanocomposites for supercapattery. , 2021, , 141-173.		2
24	Facile synthesis of silver decorated reduced graphene oxide@zinc oxide as ternary nanocomposite: an efficient photocatalyst for the enhanced degradation of organic dye under UV—visible light. <i>Journal of Materials Science</i> , 2021, 56, 7434-7450.	1.7	17
25	Ultralow Loading (Single—Atom and Clusters) of the Pt Catalyst by Atomic Layer Deposition Using Dimethyl ((3,4— <i>N</i>, <i>N</i>)-dimethyl—butene—amine—) Platinum (DDAP) on the High—Surface—Area Substrate for Hydrogen Evolution Reaction. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001508.	1.9	13
26	Sulfur-doped-graphitic-carbon nitride (S-g-C ₃ N ₄) for low cost electrochemical sensing of hydrazine. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152522.	2.8	70
27	Effect of nitrogen doping on the catalytic activity of carbon nano-onions for the oxygen reduction reaction in microbial fuel cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 269-277.	2.9	34
28	Room temperature growth of half-metallic Fe ₃ O ₄ thin films on polycarbonate by reactive sputtering: Heterostructures for flexible spintronics. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152532.	2.8	20
29	Graphene-based material for self-healing: mechanism, synthesis, characteristics, and applications. , 2020, , 163-175.		2
30	Synthesis and Antibacterial Aspects of Graphitic C ₃ N ₄ @Polyaniline Composites. <i>Coatings</i> , 2020, 10, 950.	1.2	22
31	Effect of Co ²⁺ and Ni ²⁺ co-doping on SnO ₂ synthesized via phytogenic method for photoantioxidant studies and photoconversion of 4-nitrophenol. <i>Materials Today Communications</i> , 2020, 25, 101677.	0.9	15
32	Sulfonated polyaniline-encapsulated graphene@graphitic carbon nitride nanocomposites for significantly enhanced photocatalytic degradation of phenol: a mechanistic study. <i>New Journal of Chemistry</i> , 2020, 44, 19570-19580.	1.4	25
33	Comparing and Contrasting MERS, SARS-CoV, and SARS-CoV-2: Prevention, Transmission, Management, and Vaccine Development. <i>Pathogens</i> , 2020, 9, 985.	1.2	1
34	Cobalt Oxide Nanograins and Silver Nanoparticles Decorated Fibrous Polyaniline Nanocomposite as Battery-Type Electrode for High Performance Supercapattery. <i>Polymers</i> , 2020, 12, 2816.	2.0	22
35	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.	2.8	20
36	Hydrothermally Assisted Synthesis of Porous Polyaniline@Carbon Nanotubes—Manganese Dioxide Ternary Composite for Potential Application in Supercapattery. <i>Polymers</i> , 2020, 12, 2918.	2.0	36

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37	DC electrical conductivity retention and antibacterial aspects of microwave-assisted ultrathin CuO@polyaniline composite. <i>Chemical Papers</i> , 2020, 74, 3887-3898.	1.0	8
38	Hydrogen Evolution Reaction by Atomic Layer-Deposited MoN on Porous Carbon Substrates: The Effects of Porosity and Annealing on Catalyst Activity and Stability. <i>ChemSusChem</i> , 2020, 13, 4159-4168.	3.6	14
39	Design of ternary Ni(OH) ₂ /graphene oxide/TiO ₂ nanocomposite for enhanced photocatalytic degradation of organic, microbial contaminants, and aerobic digestion of dairy wastewater. <i>Journal of Cleaner Production</i> , 2020, 258, 120588.	4.6	42
40	Facile synthesis of ternary nanocomposite of polypyrrole incorporated with cobalt oxide and silver nanoparticles for high performance supercapattery. <i>Electrochimica Acta</i> , 2020, 348, 136313.	2.6	41
41	Microbial fuel cell-assisted biogenic synthesis of gold nanoparticles and its application to energy production and hydrogen peroxide detection. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1241-1250.	1.2	16
42	Graphene Decorated Zinc Oxide and Curcumin to Disinfect the Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Nanomaterials</i> , 2020, 10, 1004.	1.9	25
43	Graphene Based Composites of Metals/Metal Oxides as Photocatalysts. , 2020, , 329-337.		1
44	Adsorption modeling and mechanistic insight of hazardous chromium on para toluene sulfonic acid immobilized-polyaniline@CNTs nanocomposites. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 188-197.	2.4	33
45	Biofilm-Assisted Fabrication of Ag@SnO ₂ -g-C ₃ N ₄ Nanostructures for Visible Light-Induced Photocatalysis and Photoelectrochemical Performance. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20936-20948.	1.5	60
46	Carbothermal process-derived porous N-doped carbon for flexible energy storage: Influence of carbon surface area and conductivity. <i>Chemical Engineering Journal</i> , 2019, 378, 122158.	6.6	19
47	CuO sputtered flexible polyaniline@graphene thin films: A recyclable photocatalyst with enhanced electrical properties. <i>Composites Part B: Engineering</i> , 2019, 175, 107092.	5.9	36
48	Synergistically effective and highly visible light responsive SnO ₂ -g-C ₃ N ₄ nanostructures for improved photocatalytic and photoelectrochemical performance. <i>Applied Surface Science</i> , 2019, 495, 143432.	3.1	77
49	Fabrication of Novel Al(OH) ₃ /CuMnAl-Layered Double Hydroxide for Detoxification of Organic Contaminants from Aqueous Solution. <i>ACS Omega</i> , 2019, 4, 18268-18278.	1.6	33
50	Conducting Polymer Nanocomposites as Gas Sensors. <i>Polymers and Polymeric Composites</i> , 2019, , 911-940.	0.6	3
51	Linear /nonlinear optical susceptibility spectroscopic constants of polyaniline@graphene oxide nanocomposite thin films. <i>Synthetic Metals</i> , 2019, 251, 30-39.	2.1	10
52	Synthesis and characterization of S-doped-rGO/ZnS nanocomposite for the photocatalytic degradation of 2-chlorophenol and disinfection of real dairy wastewater. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 377, 190-197.	2.0	25
53	Nanocarbon aerogel composites. , 2019, , 1-26.		7
54	Facile route to porous polyaniline@nanodiamond-graphene based nanohybrid structures for DC electrical conductivity retention and supercapacitor applications. <i>Journal of Polymer Research</i> , 2019, 26, 1.	1.2	13

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55	Bio-synthesis of finely distributed Ag nanoparticle-decorated TiO ₂ nanorods for sunlight-induced photoelectrochemical water splitting. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 69, 48-56.	2.9	14
56	Structural and optical characteristics, and bacterial decolonization studies on non-reactive RF sputtered Cu@ZnO@ graphene based nanoparticles thin films. <i>Journal of Materials Science</i> , 2019, 54, 6515-6529.	1.7	16
57	High Performance Supercapacitor Applications and DC Electrical Conductivity Retention on Surfactant Immobilized Macroporous Ternary Polypyrrole/Graphitic-C ₃ N ₄ @Graphene Nanocomposite. <i>Electronic Materials Letters</i> , 2019, 15, 238-246.	1.0	24
58	Feasibility of using hollow double walled Mn ₂ O ₃ nanocubes for hybrid Na-air battery. <i>Chemical Engineering Journal</i> , 2019, 360, 415-422.	6.6	31
59	Graphene and Graphene-Based Materials in Biomedical Applications. <i>Current Medicinal Chemistry</i> , 2019, 26, 6834-6850.	1.2	22
60	A simple route to layer-by-layer assembled few layered graphene oxide nanosheets: Optical, dielectric and antibacterial aspects. <i>Journal of Molecular Liquids</i> , 2018, 253, 284-296.	2.3	28
61	Ternary Composite of Polyaniline Graphene and TiO ₂ as a Bifunctional Catalyst to Enhance the Performance of Both the Bioanode and Cathode of a Microbial Fuel Cell. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 6705-6713.	1.8	40
62	Environmentally sustainable biogenic fabrication of AuNP decorated-graphitic g-C ₃ N ₄ nanostructures towards improved photoelectrochemical performances. <i>RSC Advances</i> , 2018, 8, 13898-13909.	1.7	50
63	Solid-state symmetrical supercapacitor based on hierarchical flower-like nickel sulfide with shape-controlled morphological evolution. <i>Electrochimica Acta</i> , 2018, 268, 82-93.	2.6	59
64	Facile Synthesis of SnS ₂ Nanostructures with Different Morphologies for High-Performance Supercapacitor Applications. <i>ACS Omega</i> , 2018, 3, 1581-1588.	1.6	125
65	Electrochemically active biofilm-assisted biogenic synthesis of an Ag-decorated ZnO@C core-shell ternary plasmonic photocatalyst with enhanced visible-photocatalytic activity. <i>New Journal of Chemistry</i> , 2018, 42, 1995-2005.	1.4	27
66	Recent progress of metal-graphene nanostructures in photocatalysis. <i>Nanoscale</i> , 2018, 10, 9427-9440.	2.8	89
67	Fabrication of graphene oxide and hyperbranched polyurethane composite via <i>in situ</i> polymerization with improved mechanical and dielectric properties. <i>Polymer Composites</i> , 2018, 39, 2765-2770.	2.3	2
68	A metal-free and non-precious multifunctional 3D carbon foam for high-energy density supercapacitors and enhanced power generation in microbial fuel cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 60, 431-440.	2.9	27
69	Graphene and its derivatives: synthesis, modifications, and applications in wastewater treatment. <i>Environmental Chemistry Letters</i> , 2018, 16, 1301-1323.	8.3	84
70	Environmentally Sustainable Fabrication of Ag@g-C ₃ N ₄ Nanostructures and Their Multifunctional Efficacy as Antibacterial Agents and Photocatalysts. <i>ACS Applied Nano Materials</i> , 2018, 1, 2912-2922.	2.4	142
71	Structural, optical, and photocatalytic investigation of nickel oxide@graphene oxide nanocomposite thin films by RF magnetron sputtering. <i>Journal of Materials Science</i> , 2018, 53, 15034-15050.	1.7	25
72	Defected graphene nano-platelets for enhanced hydrophilic nature and visible light-induced photoelectrochemical performances. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 104, 233-242.	1.9	27

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73	Significantly improved photovoltaic performance in polymer bulk heterojunction solar cells with graphene oxide /PEDOT:PSS double decked hole transport layer. <i>Scientific Reports</i> , 2017, 7, 39555.	1.6	97
74	Anion selective pTSA doped polyaniline@graphene oxide-multiwalled carbon nanotube composite for Cr(VI) and Congo red adsorption. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 407-415.	5.0	159
75	Simple and Large Scale Construction of MoS ₂ -g-C ₃ N ₄ Heterostructures Using Mechanochemistry for High Performance Electrochemical Supercapacitor and Visible Light Photocatalytic Applications. <i>Scientific Reports</i> , 2017, 7, 43055.	1.6	157
76	Influence of ammonolysis, Cu-incorporation and film thickness on structure, optical and photocatalytic properties of Ta ₂ O ₅ thin films fabricated via sol-gel: a comparative study. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 6812-6822.	1.1	8
77	Mechanically exfoliated MoS ₂ sheet coupled with conductive polyaniline as a superior supercapacitor electrode material. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 276-282.	5.0	91
78	Facile spectroscopic approach to obtain the optoelectronic properties of few-layered graphene oxide thin films and their role in photocatalysis. <i>New Journal of Chemistry</i> , 2017, 41, 14217-14227.	1.4	33
79	Three-dimensional SnS ₂ nanopetals for hybrid sodium-air batteries. <i>Electrochimica Acta</i> , 2017, 257, 328-334.	2.6	53
80	Manganese dioxide nanorods intercalated reduced graphene oxide nanocomposite toward high performance electrochemical supercapacitive electrode materials. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 613-619.	5.0	34
81	Ce ³⁺ -ion, Surface Oxygen Vacancy, and Visible Light-induced Photocatalytic Dye Degradation and Photocapacitive Performance of CeO ₂ -Graphene Nanostructures. <i>Scientific Reports</i> , 2017, 7, 5928.	1.6	133
82	Intercalated reduced graphene oxide and its content effect on the supercapacitance performance of the three dimensional flower-like [Ni(OH) ₂] architecture. <i>New Journal of Chemistry</i> , 2017, 41, 10467-10475.	1.4	20
83	Effect of polyaniline concentration on the photoconversion efficiency of nano-TiO ₂ based dye sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 3210-3216.	1.1	2
84	Simple and rapid synthesis of ternary polyaniline/titanium oxide/graphene by simultaneous TiO ₂ generation and aniline oxidation as hybrid materials for supercapacitor applications. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 57-68.	1.2	56
85	Metal-Free Carbon-Based Materials: Promising Electrocatalysts for Oxygen Reduction Reaction in Microbial Fuel Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 25.	1.8	67
86	Self-Assembled 3D Flower-Like Nickel Hydroxide Nanostructures and Their Supercapacitor Applications. <i>Scientific Reports</i> , 2016, 6, 27318.	1.6	127
87	Earth-abundant stable elemental semiconductor red phosphorus-based hybrids for environmental remediation and energy storage applications. <i>RSC Advances</i> , 2016, 6, 44616-44629.	1.7	56
88	Graphene integrated polyaniline nanostructured composite coating for protecting steels from corrosion: Synthesis, characterization, and protection mechanism of the coating material in acidic environment. <i>Construction and Building Materials</i> , 2016, 115, 618-633.	3.2	44
89	CdS-graphene Nanocomposite for Efficient Visible-light-driven Photocatalytic and Photoelectrochemical Applications. <i>Journal of Colloid and Interface Science</i> , 2016, 482, 221-232.	5.0	140
90	Facile and single-step route towards ZnO@C core-shell nanoparticles as an oxygen vacancy induced visible light active photocatalyst using the thermal decomposition of Zn(an) ₂ (NO ₃) ₂ . <i>RSC Advances</i> , 2016, 6, 70644-70652.	1.7	13

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91	Facile and Scale Up Synthesis of Red Phosphorus-Graphitic Carbon Nitride Heterostructures for Energy and Environment Applications. Scientific Reports, 2016, 6, 27713.	1.6	56
92	Facile route to a conducting ternary polyaniline@TiO ₂ /GN nanocomposite for environmentally benign applications: photocatalytic degradation of pollutants and biological activity. RSC Advances, 2016, 6, 111308-111317.	1.7	45
93	Electrochemically synthesized sulfur-doped graphene as a superior metal-free cathodic catalyst for oxygen reduction reaction in microbial fuel cells. RSC Advances, 2016, 6, 103446-103454.	1.7	31
94	Highly Visible Light Responsive, Narrow Band gap TiO ₂ Nanoparticles Modified by Elemental Red Phosphorus for Photocatalysis and Photoelectrochemical Applications. Scientific Reports, 2016, 6, 25405.	1.6	222
95	Enhanced electrochemical behavior and hydrophobicity of crystalline polyaniline@graphene nanocomposite synthesized at elevated temperature. Composites Part B: Engineering, 2016, 87, 281-290.	5.9	94
96	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.	1.3	74
97	Simultaneous sulfur doping and exfoliation of graphene from graphite using an electrochemical method for supercapacitor electrode materials. Journal of Materials Chemistry A, 2016, 4, 233-240.	5.2	151
98	Nitrogen-doped titanium dioxide (N-doped TiO ₂) for visible light photocatalysis. New Journal of Chemistry, 2016, 40, 3000-3009.	1.4	549
99	Three-dimensional, highly porous N-doped carbon foam as microorganism propitious, efficient anode for high performance microbial fuel cell. RSC Advances, 2016, 6, 25799-25807.	1.7	44
100	Fibrous polyaniline@manganese oxide nanocomposites as supercapacitor electrode materials and cathode catalysts for improved power production in microbial fuel cells. Physical Chemistry Chemical Physics, 2016, 18, 9053-9060.	1.3	133
101	Route to High Surface Area, Mesoporosity of Polyaniline@Titanium Dioxide Nanocomposites via One Pot Synthesis for Energy Storage Applications. Industrial & Engineering Chemistry Research, 2016, 55, 116-124.	1.8	70
102	Silver nanoparticles and defect-induced visible light photocatalytic and photoelectrochemical performance of Ag@m-TiO ₂ nanocomposite. Solar Energy Materials and Solar Cells, 2015, 141, 162-170.	3.0	126
103	Improved electrode performance in microbial fuel cells and the enhanced visible light-induced photoelectrochemical behaviour of PtO @M-TiO ₂ nanocomposites. Ceramics International, 2015, 41, 9131-9139.	2.3	39
104	Electrical conductivity, optical property and ammonia sensing studies on HCl Doped Au@polyaniline nanocomposites. Electronic Materials Letters, 2015, 11, 1-6.	1.0	28
105	Visible light-induced enhanced photoelectrochemical and photocatalytic studies of gold decorated SnO ₂ nanostructures. New Journal of Chemistry, 2015, 39, 2758-2766.	1.4	101
106	Polythiophene nanocomposites for photodegradation applications: Past, present and future. Journal of Saudi Chemical Society, 2015, 19, 494-504.	2.4	91
107	DC electrical conductivity retention and electrical compensation of polyaniline by TiO ₂ at higher loading percentages in polyaniline@TiO ₂ nanocomposites. Electronic Materials Letters, 2015, 11, 559-564.	1.0	11
108	Facile strategy for the synthesis of non-covalently bonded and para-toluene sulfonic acid-functionalized fibrous polyaniline@graphene@PVC nanocomposite for the removal of Congo red. New Journal of Chemistry, 2015, 39, 7004-7011.	1.4	21

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109	Simple route for the generation of differently functionalized PVC@graphene/polyaniline fiber bundles for the removal of Congo red from wastewater. RSC Advances, 2015, 5, 61486-61494.	1.7	38
110	Simple route for gram synthesis of less defective few layered graphene and its electrochemical performance. RSC Advances, 2015, 5, 44920-44927.	1.7	38
111	Gold nanoparticles-sensitized wide and narrow band gap TiO ₂ for visible light applications: a comparative study. New Journal of Chemistry, 2015, 39, 4708-4715.	1.4	90
112	Facile electrochemical assisted synthesis of ZnO/graphene nanosheets with enhanced photocatalytic activity. RSC Advances, 2015, 5, 97788-97797.	1.7	39
113	Graphene nanodiscs from electrochemical assisted micromechanical exfoliation of graphite: Morphology and supramolecular behavior. Materials Express, 2015, 5, 471-479.	0.2	15
114	Synthesis of highly crystalline polyaniline nanoparticles by simple chemical route. Materials Letters, 2015, 161, 372-374.	1.3	21
115	Biogenic synthesis of a Ag/graphene nanocomposite with efficient photocatalytic degradation, electrical conductivity and photoelectrochemical performance. New Journal of Chemistry, 2015, 39, 8121-8129.	1.4	130
116	Electrically conductive polyaniline sensitized defective-TiO ₂ for improved visible light photocatalytic and photoelectrochemical performance: a synergistic effect. New Journal of Chemistry, 2015, 39, 8381-8388.	1.4	42
117	Ammonia sensing and DC electrical conductivity studies of p-toluene sulfonic acid doped cetyltrimethylammonium bromide assisted V ₂ O ₅ @polyaniline composite nanofibers. Journal of Industrial and Engineering Chemistry, 2015, 22, 147-152.	2.9	23
118	Synergistic Effect of Polyaniline Modified Silica Gel for Highly Efficient Separation of Non Resolvable Amino Acids. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 277-281.	1.8	10
119	Highly visible light active Ag@ZnO nanocomposites synthesized by gel-combustion route. Journal of Industrial and Engineering Chemistry, 2014, 20, 1602-1607.	2.9	104
120	Band gap engineering of CeO ₂ nanostructure using an electrochemically active biofilm for visible light applications. RSC Advances, 2014, 4, 16782-16791.	1.7	266
121	pTSA doped conducting graphene/polyaniline nanocomposite fibers: Thermoelectric behavior and electrode analysis. Chemical Engineering Journal, 2014, 242, 155-161.	6.6	73
122	Band gap engineered TiO ₂ nanoparticles for visible light induced photoelectrochemical and photocatalytic studies. Journal of Materials Chemistry A, 2014, 2, 637-644.	5.2	751
123	Ammonia vapor sensing and electrical properties of fibrous multi-walled carbon nanotube/polyaniline nanocomposites prepared in presence of cetyl-trimethylammonium bromide. Journal of Industrial and Engineering Chemistry, 2014, 20, 2010-2017.	2.9	41
124	Enhanced thermoelectric performance and ammonia sensing properties of sulfonated polyaniline/graphene thin films. Materials Letters, 2014, 114, 159-162.	1.3	46
125	Enhanced thermoelectric behaviour and visible light activity of Ag@TiO ₂ /polyaniline nanocomposite synthesized by biogenic-chemical route. RSC Advances, 2014, 4, 23713-23719.	1.7	75
126	Electrochemically active biofilm assisted synthesis of Ag@CeO ₂ nanocomposites for antimicrobial activity, photocatalysis and photoelectrodes. Journal of Colloid and Interface Science, 2014, 431, 255-263.	5.0	102

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127	Highly photoactive SnO ₂ nanostructures engineered by electrochemically active biofilm. <i>New Journal of Chemistry</i> , 2014, 38, 2462-2469.	1.4	66
128	Mixed Culture Electrochemically Active Biofilms and their Microscopic and Spectroelectrochemical Studies. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 423-432.	3.2	46
129	Defect-Induced Band Gap Narrowed CeO ₂ Nanostructures for Visible Light Activities. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 9754-9763.	1.8	278
130	Biogenic Fabrication of Au@CeO ₂ Nanocomposite with Enhanced Visible Light Activity. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9477-9484.	1.5	123
131	Enhanced Thermal Stability under DC Electrical Conductivity Retention and Visible Light Activity of Ag/TiO ₂ @Polyaniline Nanocomposite Film. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8124-8133.	4.0	81
132	Visible light-driven photocatalytic and photoelectrochemical studies of Ag@SnO ₂ nanocomposites synthesized using an electrochemically active biofilm. <i>RSC Advances</i> , 2014, 4, 26013-26021.	1.7	103
133	Adsorption of Brilliant Green by Surfactant Doped Polyaniline/MWCNTs Composite: Evaluation of the Kinetic, Thermodynamic, and Isotherm. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 7167-7175.	1.8	60
134	Novel Ag@TiO ₂ nanocomposite synthesized by electrochemically active biofilm for nonenzymatic hydrogen peroxide sensor. <i>Materials Science and Engineering C</i> , 2013, 33, 4692-4699.	3.8	70
135	Oxygen vacancy induced band gap narrowing of ZnO nanostructures by an electrochemically active biofilm. <i>Nanoscale</i> , 2013, 5, 9238.	2.8	523
136	Thermal stability in terms of DC electrical conductivity retention and the efficacy of mixing technique in the preparation of nanocomposites of graphene/polyaniline over the carbon nanotubes/polyaniline. <i>Composites Part B: Engineering</i> , 2013, 47, 155-161.	5.9	72
137	Biogenic Synthesis, Photocatalytic, and Photoelectrochemical Performance of Ag@ZnO Nanocomposite. <i>Journal of Physical Chemistry C</i> , 2013, 117, 27023-27030.	1.5	368
138	Dodecylbenzenesulfonic acid micelles assisted in situ preparation and enhanced thermoelectric performance of semiconducting polyaniline@zirconium oxide nanocomposites. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 1653-1658.	2.9	26
139	Electrochemically active biofilm mediated bio-hydrogen production catalyzed by positively charged gold nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 5243-5250.	3.8	70
140	Morphology and Thermal Stability of Electrically Conducting Nanocomposites Prepared by Sulfosalicylic Acid Micelles Assisted Polymerization of Aniline in Presence of ZrO ₂ Nanoparticles. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 472-477.	1.9	15
141	Highly visible light active Ag@TiO ₂ nanocomposites synthesized using an electrochemically active biofilm: a novel biogenic approach. <i>Nanoscale</i> , 2013, 5, 4427.	2.8	219
142	DBSA doped polyaniline/multi-walled carbon nanotubes composite for high efficiency removal of Cr(VI) from aqueous solution. <i>Chemical Engineering Journal</i> , 2013, 228, 748-755.	6.6	122
143	Simultaneous Enhancement of Methylene Blue Degradation and Power Generation in a Microbial Fuel Cell by Gold Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 8174-8181.	1.8	81
144	Production of bioelectricity, bio-hydrogen, high value chemicals and bioinspired nanomaterials by electrochemically active biofilms. <i>Biotechnology Advances</i> , 2013, 31, 915-924.	6.0	57

#	ARTICLE	IF	CITATIONS
145	Band gap narrowing of titanium dioxide (TiO ₂) nanocrystals by electrochemically active biofilms and their visible light activity. <i>Nanoscale</i> , 2013, 5, 6323.	2.8	155
146	Positively Charged Gold Nanoparticles Synthesized by Electrochemically Active Biofilm—A Biogenic Approach. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 6079-6085.	0.9	44
147	Thermal stability of HCl-doped polyaniline and TiO ₂ nanoparticles-based nanocomposites. <i>Journal of Applied Polymer Science</i> , 2012, 124, 4433-4442.	1.3	19
148	Synthesis, characterization, photolytic degradation, electrical conductivity and applications of a nanocomposite adsorbent for the treatment of pollutants. <i>RSC Advances</i> , 2012, 2, 7207.	1.7	38
149	Thermal stability and electrical properties of dodecyl-benzene-sulfonic-acid doped nanocomposites of polyaniline and multi-walled carbon nanotubes. <i>Composites Part B: Engineering</i> , 2012, 43, 3541-3548.	5.9	57
150	Thermal stability, electrical conductivity and ammonia sensing studies on p-toluenesulfonic acid doped polyaniline:titanium dioxide (pTSA/Pani:TiO ₂) nanocomposites. <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 122-129.	4.0	159