

# Mohammad Ehtisham Khan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/120205/publications.pdf>

Version: 2024-02-01

170  
papers

11,758  
citations

22099

59  
h-index

30848

102  
g-index

174  
all docs

174  
docs citations

174  
times ranked

14060  
citing authors

#	ARTICLE	IF	CITATIONS
1	Band gap engineered TiO <sub>2</sub> nanoparticles for visible light induced photoelectrochemical and photocatalytic studies. <i>Journal of Materials Chemistry A</i> , 2014, 2, 637-644.	5.2	751
2	Nitrogen-doped titanium dioxide (N-doped TiO <sub>2</sub> ) for visible light photocatalysis. <i>New Journal of Chemistry</i> , 2016, 40, 3000-3009.	1.4	549
3	Oxygen vacancy induced band gap narrowing of ZnO nanostructures by an electrochemically active biofilm. <i>Nanoscale</i> , 2013, 5, 9238.	2.8	523
4	Biogenic Synthesis, Photocatalytic, and Photoelectrochemical Performance of Ag@ZnO Nanocomposite. <i>Journal of Physical Chemistry C</i> , 2013, 117, 27023-27030.	1.5	368
5	Converting citrus wastes into value-added products: Economic and environmentally friendly approaches. <i>Nutrition</i> , 2017, 34, 29-46.	1.1	356
6	Defect-Induced Band Gap Narrowed CeO <sub>2</sub> Nanostructures for Visible Light Activities. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 9754-9763.	1.8	278
7	Band gap engineering of CeO <sub>2</sub> nanostructure using an electrochemically active biofilm for visible light applications. <i>RSC Advances</i> , 2014, 4, 16782-16791.	1.7	266
8	Highly Visible Light Responsive, Narrow Band gap TiO <sub>2</sub> Nanoparticles Modified by Elemental Red Phosphorus for Photocatalysis and Photoelectrochemical Applications. <i>Scientific Reports</i> , 2016, 6, 25405.	1.6	222
9	Highly visible light active Ag@TiO <sub>2</sub> nanocomposites synthesized using an electrochemically active biofilm: a novel biogenic approach. <i>Nanoscale</i> , 2013, 5, 4427.	2.8	219
10	ZnO nanoparticles inhibit <i>Pseudomonas aeruginosa</i> biofilm formation and virulence factor production. <i>Microbiological Research</i> , 2014, 169, 888-896.	2.5	196
11	3-Indolylacetonitrile Decreases <i>Escherichia coli</i> O157:H7 Biofilm Formation and <i>Pseudomonas aeruginosa</i> Virulence. <i>Environmental Microbiology</i> , 2011, 13, 62-73.	1.8	166
12	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
13	Simple and Large Scale Construction of MoS <sub>2</sub> -g-C <sub>3</sub> N <sub>4</sub> Heterostructures Using Mechanochemistry for High Performance Electrochemical Supercapacitor and Visible Light Photocatalytic Applications. <i>Scientific Reports</i> , 2017, 7, 43055.	1.6	157
14	Band gap narrowing of titanium dioxide (TiO <sub>2</sub> ) nanocrystals by electrochemically active biofilms and their visible light activity. <i>Nanoscale</i> , 2013, 5, 6323.	2.8	155
15	Modern Extraction and Purification Techniques for Obtaining High Purity Food-Grade Bioactive Compounds and Value-Added Co-Products from Citrus Wastes. <i>Foods</i> , 2019, 8, 523.	1.9	155
16	Simultaneous sulfur doping and exfoliation of graphene from graphite using an electrochemical method for supercapacitor electrode materials. <i>Journal of Materials Chemistry A</i> , 2016, 4, 233-240.	5.2	151
17	Fungi-assisted silver nanoparticle synthesis and their applications. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 1-20.	1.7	151
18	Citrus essential oils: Extraction, authentication and application in food preservation. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 611-625.	5.4	148

#	ARTICLE	IF	CITATIONS
19	Environmentally Sustainable Fabrication of Ag@ <i>g</i> -C <sub>3</sub> N <sub>4</sub> Nanostructures and Their Multifunctional Efficacy as Antibacterial Agents and Photocatalysts. ACS Applied Nano Materials, 2018, 1, 2912-2922.	2.4	142
20	CdS-graphene Nanocomposite for Efficient Visible-light-driven Photocatalytic and Photoelectrochemical Applications. Journal of Colloid and Interface Science, 2016, 482, 221-232.	5.0	140
21	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
22	Ce <sup>3+</sup> -ion, Surface Oxygen Vacancy, and Visible Light-induced Photocatalytic Dye Degradation and Photocapacitive Performance of CeO <sub>2</sub> -Graphene Nanostructures. Scientific Reports, 2017, 7, 5928.	1.6	133
23	Coumarins reduce biofilm formation and the virulence of Escherichia coli O157:H7. Phytomedicine, 2014, 21, 1037-1042.	2.3	130
24	Biogenic synthesis of a Ag@ <i>g</i> nanocomposite with efficient photocatalytic degradation, electrical conductivity and photoelectrochemical performance. New Journal of Chemistry, 2015, 39, 8121-8129.	1.4	130
25	Self-Assembled 3D Flower-Like Nickel Hydroxide Nanostructures and Their Supercapacitor Applications. Scientific Reports, 2016, 6, 27318.	1.6	127
26	Facile Synthesis of SnS <sub>2</sub> Nanostructures with Different Morphologies for High-Performance Supercapacitor Applications. ACS Omega, 2018, 3, 1581-1588.	1.6	125
27	Biogenic Fabrication of Au@CeO <sub>2</sub> Nanocomposite with Enhanced Visible Light Activity. Journal of Physical Chemistry C, 2014, 118, 9477-9484.	1.5	123
28	Fabrication of WO <sub>3</sub> nanorods on graphene nanosheets for improved visible light-induced photocapacitive and photocatalytic performance. RSC Advances, 2016, 6, 20824-20833.	1.7	121
29	Ginkgolic acids and Ginkgo biloba extract inhibit Escherichia coli O157:H7 and Staphylococcus aureus biofilm formation. International Journal of Food Microbiology, 2014, 174, 47-55.	2.1	114
30	Higher oxidation level in graphene oxide. Optik, 2017, 143, 115-124.	1.4	114
31	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
32	Visible light-driven photocatalytic and photoelectrochemical studies of Ag@SnO <sub>2</sub> nanocomposites synthesized using an electrochemically active biofilm. RSC Advances, 2014, 4, 26013-26021.	1.7	103
33	Electrochemically active biofilm assisted synthesis of Ag@CeO <sub>2</sub> nanocomposites for antimicrobial activity, photocatalysis and photoelectrodes. Journal of Colloid and Interface Science, 2014, 431, 255-263.	5.0	102
34	Facile and sustainable synthesis of carbon-doped ZnO nanostructures towards the superior visible light photocatalytic performance. New Journal of Chemistry, 2017, 41, 9314-9320.	1.4	102
35	Visible light-induced enhanced photoelectrochemical and photocatalytic studies of gold decorated SnO <sub>2</sub> nanostructures. New Journal of Chemistry, 2015, 39, 2758-2766.	1.4	101
36	Bio-sorbents, industrially important chemicals and novel materials from citrus processing waste as a sustainable and renewable bioresource: A review. Journal of Advanced Research, 2020, 23, 61-82.	4.4	94

#	ARTICLE	IF	CITATIONS
37	Polythiophene nanocomposites for photodegradation applications: Past, present and future. Journal of Saudi Chemical Society, 2015, 19, 494-504.	2.4	91
38	Mechanically exfoliated MoS <sub>2</sub> sheet coupled with conductive polyaniline as a superior supercapacitor electrode material. Journal of Colloid and Interface Science, 2017, 504, 276-282.	5.0	91
39	Microbial fuel cell assisted band gap narrowed TiO <sub>2</sub> for visible light-induced photocatalytic activities and power generation. Scientific Reports, 2018, 8, 1723.	1.6	91
40	Gold nanoparticles-sensitized wide and narrow band gap TiO <sub>2</sub> for visible light applications: a comparative study. New Journal of Chemistry, 2015, 39, 4708-4715.	1.4	90
41	Recent progress of metal-graphene nanostructures in photocatalysis. Nanoscale, 2018, 10, 9427-9440.	2.8	89
42	Potentials of Costus woodsonii leaf extract in producing narrow band gap ZnO nanoparticles. Materials Science in Semiconductor Processing, 2019, 91, 194-200.	1.9	84
43	Simultaneous Enhancement of Methylene Blue Degradation and Power Generation in a Microbial Fuel Cell by Gold Nanoparticles. Industrial & Engineering Chemistry Research, 2013, 52, 8174-8181.	1.8	81
44	Enhanced Thermal Stability under DC Electrical Conductivity Retention and Visible Light Activity of Ag/TiO <sub>2</sub> @Polyaniline Nanocomposite Film. ACS Applied Materials & Interfaces, 2014, 6, 8124-8133.	4.0	81
45	State-of-the-art developments in carbon quantum dots (CQDs): Photo-catalysis, bio-imaging, and bio-sensing applications. Chemosphere, 2022, 302, 134815.	4.2	81
46	Green synthesis, photocatalytic and photoelectrochemical performance of an Au-graphene nanocomposite. RSC Advances, 2015, 5, 26897-26904.	1.7	80
47	Electrochemically active biofilm-mediated synthesis of silver nanoparticles in water. Green Chemistry, 2011, 13, 1482.	4.6	78
48	Synergistically effective and highly visible light responsive SnO <sub>2</sub> -g-C <sub>3</sub> N <sub>4</sub> nanostructures for improved photocatalytic and photoelectrochemical performance. Applied Surface Science, 2019, 495, 143432.	3.1	77
49	Recent progress of algae and blue-green algae-assisted synthesis of gold nanoparticles for various applications. Bioprocess and Biosystems Engineering, 2019, 42, 1-15.	1.7	76
50	Enhanced thermoelectric behaviour and visible light activity of Ag@TiO <sub>2</sub> /polyaniline nanocomposite synthesized by biogenic-chemical route. RSC Advances, 2014, 4, 23713-23719.	1.7	75
51	Novel Ag@TiO <sub>2</sub> nanocomposite synthesized by electrochemically active biofilm for nonenzymatic hydrogen peroxide sensor. Materials Science and Engineering C, 2013, 33, 4692-4699.	3.8	70
52	Electrochemically active biofilm mediated bio-hydrogen production catalyzed by positively charged gold nanoparticles. International Journal of Hydrogen Energy, 2013, 38, 5243-5250.	3.8	70
53	Route to High Surface Area, Mesoporosity of Polyaniline-graphene Titanium Dioxide Nanocomposites via One Pot Synthesis for Energy Storage Applications. Industrial & Engineering Chemistry Research, 2016, 55, 116-124.	1.8	70
54	Sulfur-doped-graphitic-carbon nitride (S-g-C <sub>3</sub> N <sub>4</sub> ) for low cost electrochemical sensing of hydrazine. Journal of Alloys and Compounds, 2020, 816, 152522.	2.8	70

#	ARTICLE	IF	CITATIONS
55	Investigation of bandgap alteration in graphene oxide with different reduction routes. Applied Surface Science, 2020, 513, 145396.	3.1	68
56	Metal-Free Carbon-Based Materials: Promising Electrocatalysts for Oxygen Reduction Reaction in Microbial Fuel Cells. International Journal of Molecular Sciences, 2017, 18, 25.	1.8	67
57	Highly photoactive SnO <sub>2</sub> nanostructures engineered by electrochemically active biofilm. New Journal of Chemistry, 2014, 38, 2462-2469.	1.4	66
58	Influence of thickness on optical and structural properties of BiFeO <sub>3</sub> thin films: PLD grown. Materials Research Bulletin, 2014, 49, 531-536.	2.7	63
59	Enhanced electrochemical performance of nickel-cobalt-oxide@reduced graphene oxide//activated carbon asymmetric supercapacitors by the addition of a redox-active electrolyte. Journal of Colloid and Interface Science, 2017, 507, 300-309.	5.0	62
60	Adsorption promoted visible-light-induced photocatalytic degradation of antibiotic tetracycline by tin oxide/cerium oxide nanocomposite. Applied Surface Science, 2021, 565, 150337.	3.1	62
61	Sputter deposited chromium nitride thin electrodes for supercapacitor applications. Materials Letters, 2018, 220, 213-217.	1.3	61
62	Purification of 2,3-butanediol from fermentation broth: process development and techno-economic analysis. Biotechnology for Biofuels, 2018, 11, 18.	6.2	61
63	Excellent visible-light photocatalytic activity towards the degradation of tetracycline antibiotic and electrochemical sensing of hydrazine by SnO <sub>2</sub> @CdS nanostructures. Journal of Cleaner Production, 2022, 349, 131249.	4.6	61
64	Biofilm-Assisted Fabrication of Ag@SnO <sub>2</sub> -g-C <sub>3</sub> N <sub>4</sub> Nanostructures for Visible Light-Induced Photocatalysis and Photoelectrochemical Performance. Journal of Physical Chemistry C, 2019, 123, 20936-20948.	1.5	60
65	Growth of three-dimensional flower-like SnS <sub>2</sub> on g-C <sub>3</sub> N <sub>4</sub> sheets as an efficient visible-light photocatalyst, photoelectrode, and electrochemical supercapacitance material. Sustainable Energy and Fuels, 2017, 1, 510-519.	2.5	59
66	Investigation on structural, linear, nonlinear and optical limiting properties of sol-gel derived nanocrystalline Mg doped ZnO thin films for optoelectronic applications. Journal of Molecular Structure, 2018, 1173, 375-384.	1.8	58
67	Linear and nonlinear optical investigations of N:ZnO/ITO thin films system for opto-electronic functions. Optics and Laser Technology, 2019, 112, 539-547.	2.2	57
68	Earth-abundant stable elemental semiconductor red phosphorus-based hybrids for environmental remediation and energy storage applications. RSC Advances, 2016, 6, 44616-44629.	1.7	56
69	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
70	Simple and rapid synthesis of ternary polyaniline/titanium oxide/graphene by simultaneous TiO <sub>2</sub> generation and aniline oxidation as hybrid materials for supercapacitor applications. Journal of Solid State Electrochemistry, 2017, 21, 57-68.	1.2	56
71	Photocatalytic degradation activity of goji berry extract synthesized silver-loaded mesoporous zinc oxide (Ag@ZnO) nanocomposites under simulated solar light irradiation. Scientific Reports, 2022, 12, .	1.6	54
72	State-of-the-art developments in carbon-based metal nanocomposites as a catalyst: photocatalysis. Nanoscale Advances, 2021, 3, 1887-1900.	2.2	51

#	ARTICLE	IF	CITATIONS
73	Environmentally sustainable biogenic fabrication of AuNP decorated-graphitic g-C <sub>3</sub> N <sub>4</sub> nanostructures towards improved photoelectrochemical performances. RSC Advances, 2018, 8, 13898-13909.	1.7	50
74	Mixed Culture Electrochemically Active Biofilms and their Microscopic and Spectroelectrochemical Studies. ACS Sustainable Chemistry and Engineering, 2014, 2, 423-432.	3.2	46
75	Facile route to a conducting ternary polyaniline@TiO <sub>2</sub> /GN nanocomposite for environmentally benign applications: photocatalytic degradation of pollutants and biological activity. RSC Advances, 2016, 6, 111308-111317.	1.7	45
76	Graphite-like carbon nitride (C <sub>3</sub> N <sub>4</sub> ) modified N-doped LaTiO <sub>3</sub> nanocomposite for higher visible light photocatalytic and photo-electrochemical performance. Applied Surface Science, 2018, 452, 400-412.	3.1	45
77	Na <sub>2</sub> O-co-doped-graphitic-carbon nitride (Na <sub>2</sub> O-g-C <sub>3</sub> N <sub>4</sub> ) for nonenzymatic electrochemical sensing of hydrogen peroxide. Applied Surface Science, 2020, 525, 146353.	3.1	45
78	Positively Charged Gold Nanoparticles Synthesized by Electrochemically Active Biofilm—A Biogenic Approach. Journal of Nanoscience and Nanotechnology, 2013, 13, 6079-6085.	0.9	44
79	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
80	Electrically conductive polyaniline sensitized defective-TiO <sub>2</sub> for improved visible light photocatalytic and photoelectrochemical performance: a synergistic effect. New Journal of Chemistry, 2015, 39, 8381-8388.	1.4	42
81	A polyaniline@MoS <sub>2</sub> -based organic-inorganic nanohybrid for the removal of Congo red: adsorption kinetic, thermodynamic and isotherm studies. New Journal of Chemistry, 2018, 42, 18802-18809.	1.4	42
82	Influence of interparticle interaction on the structural, optical and magnetic properties of NiO nanoparticles. Physica B: Condensed Matter, 2019, 552, 88-95.	1.3	42
83	Selected nanotechnologies and nanostructures for drug delivery, nanomedicine and cure. Bioprocess and Biosystems Engineering, 2020, 43, 1339-1357.	1.7	42
84	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
85	Ternary Composite of Polyaniline Graphene and TiO <sub>2</sub> as a Bifunctional Catalyst to Enhance the Performance of Both the Bioanode and Cathode of a Microbial Fuel Cell. Industrial & Engineering Chemistry Research, 2018, 57, 6705-6713.	1.8	40
86	Facile electrochemical assisted synthesis of ZnO/graphene nanosheets with enhanced photocatalytic activity. RSC Advances, 2015, 5, 97788-97797.	1.7	39
87	Lithium ion storage ability, supercapacitor electrode performance, and photocatalytic performance of tungsten disulfide nanosheets. New Journal of Chemistry, 2018, 42, 5859-5867.	1.4	39
88	Structural, morphological, optical and third order nonlinear optical response of spin-coated NiO thin films: An effect of N doping. Solid State Sciences, 2018, 86, 98-106.	1.5	39
89	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
90	Simple route for gram synthesis of less defective few layered graphene and its electrochemical performance. RSC Advances, 2015, 5, 44920-44927.	1.7	38

#	ARTICLE	IF	CITATIONS
91	A sensitive electrochemical detection of hydrazine based on SnO <sub>2</sub> /CeO <sub>2</sub> nanostructured oxide. <i>Microchemical Journal</i> , 2021, 171, 106784.	2.3	38
92	A simple biogenic route to rapid synthesis of Au@TiO <sub>2</sub> nanocomposites by electrochemically active biofilms. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	37
93	Anchoring Mechanism of ZnO Nanoparticles on Graphitic Carbon Nanofiber Surfaces through a Modified Co-precipitation Method to Improve Interfacial Contact and Photocatalytic Performance. <i>ChemPhysChem</i> , 2015, 16, 3214-3232.	1.0	37
94	Phytogenic Synthesis of Band Gap-Narrowed ZnO Nanoparticles Using the Bulb Extract of <i>Costus woodsonii</i> . <i>BioNanoScience</i> , 2019, 9, 334-344.	1.5	37
95	Fabrication of binary SnO <sub>2</sub> /TiO <sub>2</sub> 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
96	Ag-modified SnO <sub>2</sub> -graphitic-carbon nitride nanostructures for electrochemical sensor applications. <i>Ceramics International</i> , 2021, 47, 23578-23589.	2.3	36
97	Gold Nanoparticles Produced <i>In Situ</i> Mediate Bioelectricity and Hydrogen Production in a Microbial Fuel Cell by Quantized Capacitance Charging. <i>ChemSusChem</i> , 2013, 6, 246-250.	3.6	34
98	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
99	A low temperature bottom-up approach for the synthesis of few layered graphene nanosheets via C-C bond formation using a modified Ullmann reaction. <i>RSC Advances</i> , 2015, 5, 46589-46597.	1.7	33
100	Photoantioxidant studies of SnO <sub>2</sub> nanoparticles fabricated using aqueous leaf extract of <i>Tradescantia spathacea</i> . <i>Solid State Sciences</i> , 2020, 105, 106279.	1.5	33
101	Effect of Annealing Temperature on Structural and Optical Properties of Sol-Gel-Derived ZnO Thin Films. <i>Journal of Electronic Materials</i> , 2018, 47, 3678-3684.	1.0	32
102	Electrochemically synthesized sulfur-doped graphene as a superior metal-free cathodic catalyst for oxygen reduction reaction in microbial fuel cells. <i>RSC Advances</i> , 2016, 6, 103446-103454.	1.7	31
103	Highly Sensitive NiO Nanoparticle based Chlorine Gas Sensor. <i>Journal of Electronic Materials</i> , 2018, 47, 3451-3458.	1.0	31
104	Removal of nitrogen in wastewater by polyvinyl alcohol (PVA)-immobilization of effective microorganisms. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 193-197.	1.2	30
105	Enhanced optical, visible light catalytic and electrochemical properties of Au@TiO <sub>2</sub> nanocomposites. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 1845-1850.	2.9	29
106	Electrical conductivity, optical property and ammonia sensing studies on HCl Doped Au@polyaniline nanocomposites. <i>Electronic Materials Letters</i> , 2015, 11, 1-6.	1.0	28
107	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
108	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

#	ARTICLE	IF	CITATIONS
109	Preparation, spectroscopic study of Schiff base derived from dopamine and metal Ni(II), Pd(II), and Pt(IV) complexes, and activity determination as antioxidants. <i>Journal of Physical Organic Chemistry</i> , 2021, 34, e4156.	0.9	27
110	Multifunctional behavior of acceptor-cation substitution at higher doping concentration in PZT ceramics. <i>Ceramics International</i> , 2019, 45, 12716-12726.	2.3	26
111	Biodegradation of pentachlorophenol by white rot fungi under ligninolytic and nonligninolytic conditions. <i>Biotechnology and Bioprocess Engineering</i> , 2000, 5, 211-214.	1.4	25
112	An effect of Fe on physical properties of nanostructured NiO thin films for nonlinear optoelectronic applications. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	22
113	Nanoparticle-Based Drugs: A Potential Armamentarium of Effective Anti-Cancer Therapies. <i>Current Drug Metabolism</i> , 2018, 19, 839-846.	0.7	22
114	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. <i>New Journal of Chemistry</i> , 2015, 39, 7004-7011.	1.4	21
115	Electrosynthesis of a corn flake-like NiO nanostructure on nickel foam for polymer gel electrolyte-based high performance asymmetric supercapacitors. <i>New Journal of Chemistry</i> , 2017, 41, 10584-10591.	1.4	21
116	Linear, third order nonlinear and optical limiting studies on MZO/FTO thin film system fabricated by spin coating technique for electro-optic applications. <i>Journal of Materials Research</i> , 2018, 33, 3880-3889.	1.2	21
117	Effect of Gallium doping on CdS thin film properties and corresponding Cu(InGa)Se <sub>2</sub> /CdS:Ga solar cell performance. <i>Thin Solid Films</i> , 2018, 660, 207-212.	0.8	21
118	A significant effect of Ce-doping on key characteristics of NiO thin films for optoelectronics facilely fabricated by spin coater. <i>Superlattices and Microstructures</i> , 2019, 129, 230-239.	1.4	21
119	Indole oxidation enhances electricity production in an E. coli-catalyzed microbial fuel cell. <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 126-131.	1.4	20
120	Intercalated reduced graphene oxide and its content effect on the supercapacitance performance of the three dimensional flower-like Ni(OH) <sub>2</sub> architecture. <i>New Journal of Chemistry</i> , 2017, 41, 10467-10475.	1.4	20
121	Investigation of structural, optical and vibrational properties of highly oriented ZnO thin film. <i>Vacuum</i> , 2018, 155, 662-666.	1.6	20
122	Optimization of positively charged gold nanoparticles synthesized using a stainless-steel mesh and its application for colorimetric hydrogen peroxide detection. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2003-2009.	2.9	19
123	A facile one-step flash combustion synthesis and characterization on C doped NiO nanostructures. <i>Materials Science in Semiconductor Processing</i> , 2019, 100, 106-112.	1.9	19
124	A structural, morphological, linear, and nonlinear optical spectroscopic studies of nanostructured Al-doped ZnO thin films: An effect of Al concentrations. <i>Journal of Materials Research</i> , 2019, 34, 1309-1317.	1.2	19
125	Enhanced production of laccase from <i>Trametes</i> sp. by combination of various inducers. <i>Biotechnology and Bioprocess Engineering</i> , 2006, 11, 96-99.	1.4	18
126	Development and study of the structural and optical properties of hexagonal ZnO nanocrystals. <i>International Nano Letters</i> , 2012, 2, 1.	2.3	17



#	ARTICLE	IF	CITATIONS
127	Higher permittivity of Ni-doped lead zirconate titanate, $Pb[(Zr_{0.52}Ti_{0.48})(1-x)Ni_x]O_3$ , ceramics. <i>Ceramics International</i> , 2019, 45, 4398-4407.	2.3	17
128	Electrically reduced graphene oxide for photovoltaic application. <i>Journal of Materials Research</i> , 2019, 34, 652-660.	1.2	16
129	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
130	Synthesis of Positively Charged Gold Nanoparticles Using a Stainless-Steel Mesh. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 6140-6144.	0.9	15
131	Electrical conductivity retention and electrochemical activity of CSA doped graphene/gold nanoparticle@ polyaniline composites. <i>Progress in Natural Science: Materials International</i> , 2016, 26, 341-346.	1.8	15
132	Co-culture Consortium of <i>Scenedesmus dimorphus</i> and Nitrifiers Enhances the Removal of Nitrogen and Phosphorus from Artificial Wastewater. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 3215-3221.	0.9	15
133	Hydrogen Evolution Reaction by Atomic Layer Deposited $MoN_x$ 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
134	Study of Optical and Electrical Properties of Graphene Oxide. <i>Materials Today: Proceedings</i> , 2021, 36, 730-735.	0.9	14
135	The selective visualization of lignin peroxidase, manganese peroxidase and laccase, produced by white rot fungi on solid media. <i>Biotechnology and Bioprocess Engineering</i> , 2003, 8, 130-134.	1.4	13
136	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
137	Simple and sustainable route for large scale fabrication of few layered molybdenum disulfide sheets towards superior adsorption of the hazardous organic pollutant. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 7792-7800.	1.1	13
138	Ultralow Loading (Single Atom and Clusters) of the Pt Catalyst by Atomic Layer Deposition Using Dimethyl ((3,4- $\text{C}_6\text{H}_3$ ) $\text{N}_2$ ) dimethyl 3-butene-1-amine Platinum (DDAP) on the High Surface Area Substrate for Hydrogen Evolution Reaction. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001508.	1.9	13
139	Phosphorus Schiff base ligand and its complexes: Experimental and theoretical investigations. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5546.	1.7	13
140	Characterization of an oxygen-dependent inducible promoter system, the nar promoter, and <i>Escherichia coli</i> with an inactivated nar operon. , 2000, 52, 572-578.		12
141	One-step sputtered titanium nitride nano-pyramid thin electrodes for symmetric super-capacitor device. <i>Materials Letters</i> , 2019, 245, 142-146.	1.3	12
142	Green and Phytogenic Fabrication of Co-Doped $SnO_2$ Using Aqueous Leaf Extract of <i>Tradescantia spathacea</i> for Photoantioxidant and Photocatalytic Studies. <i>BioNanoScience</i> , 2021, 11, 120-135.	1.5	12
143	Fabrication of Electrochemical Sensor Using $SnO_2$ -Modified- $TiO_2$ Nanocomposite for Detection of Hydrazine. <i>Journal of the Electrochemical Society</i> , 2021, 168, 067518.	1.3	12
144	Antioxidant, antibacterial, tyrosinase inhibitory, and biofilm inhibitory activities of fermented rice bran broth with effective microorganisms. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 139-144.	1.4	11

#	ARTICLE	IF	CITATIONS
145	DC electrical conductivity retention and electrical compensation of polyaniline by TiO <sub>2</sub> at higher loading percentages in polyaniline@TiO <sub>2</sub> nanocomposites. <i>Electronic Materials Letters</i> , 2015, 11, 559-564.	1.0	11
146	Positively Charged Gold Nanoparticles for Hydrogen Peroxide Detection. <i>BioNanoScience</i> , 2018, 8, 537-543.	1.5	11
147	Sustainable fabrication of silver-titania nanocomposites using goji berry ( <i>Lycium barbarum</i> L.) fruit extract and their photocatalytic and antibacterial applications. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103456.	2.3	10
148	Semi-Polycrystalline "Polyaniline Empowered Electrochemical Capacitor. <i>Energies</i> , 2022, 15, 2001.	1.6	10
149	Synergistic performance of $\text{Fe}_3\text{O}_4$ / $\text{SnO}_2$ / rGO nanocomposite for supercapacitor and visible light-responsive photocatalysis. <i>International Journal of Energy Research</i> , 2022, 46, 6517-6528.	2.2	10
150	Optimal strategies of fill and aeration in a sequencing batch reactor for biological nitrogen and carbon removal. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 925-929.	1.2	9
151	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
152	Production of cis,cis-muconic acid from benzoic acid via microbial transformation. <i>Biotechnology and Bioprocess Engineering</i> , 1996, 1, 36-40.	1.4	7
153	Enhancement of volatile fatty acids removal by a co-culture of microalgae and activated sludge. <i>KSCE Journal of Civil Engineering</i> , 2017, 21, 2106-2112.	0.9	7
154	Surface Plasmon-Based Nanomaterials as Photocatalyst. <i>Environmental Chemistry for A Sustainable World</i> , 2019, , 173-187.	0.3	6
155	Nanoparticles based Surface Plasmon Enhanced Photocatalysis. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 133-143.	0.3	6
156	Transitional ordering in reduced graphene oxide nanomaterials. <i>Materials Science in Semiconductor Processing</i> , 2022, 142, 106478.	1.9	6
157	A simple method to functionalize the surface of plasma electrolysis produced inorganic coatings for growing different organic structure. <i>Progress in Organic Coatings</i> , 2022, 171, 107008.	1.9	6
158	Eco-friendly, catalyst-free synthesis of highly pure carbon spheres using vegetable oils as a renewable source and their application as a template for ZnO and MgO hollow spheres. <i>RSC Advances</i> , 2015, 5, 57114-57121.	1.7	5
159	Electrochemical, surface analytical, and spectroscopic study of passive film and pits formation on food grade ferritic stainless steel AISI 430 in aqueous acetic acid containing chloride ions. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2018, 69, 1770-1783.	0.8	5
160	Catalytic role of Au@TiO <sub>2</sub> nanocomposite on enhanced degradation of an azo-dye by electrochemically active biofilms: a quantized charging effect. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	4
161	Effect of substrates on optical properties of ferroelectric PZT (52/48) thin films. <i>Materials Today: Proceedings</i> , 2021, 36, 616-620.	0.9	4
162	Effect of fruit juices and chloride ions on the corrosion behavior of orthodontic archwire. <i>Materials Technology</i> , 2019, 34, 18-24.	1.5	3

#	ARTICLE	IF	CITATIONS
163	Effect of polyaniline concentration on the photoconversion efficiency of nano-TiO <sub>2</sub> based dye sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 3210-3216.	1.1	2
164	Introduction to Cuckoo Search and Its Paradigms: A Bibliographic Survey and Recommendations. <i>Studies in Big Data</i> , 2021, , 79-93.	0.8	2
165	Design and Fabrication of Nano-Structured Materials for Fuel Cell Application. <i>Environmental Chemistry for A Sustainable World</i> , 2022, , 63-80.	0.3	2
166	Recent developments in properties and applications of metal oxides. , 2022, , 95-111.		2
167	Aerogel and its composites for sensing, adsorption, and photocatalysis. , 2021, , 125-144.		1
168	Metal and metal oxides aerogels in purification systems. , 2021, , 145-169.		0
169	Metal and Metal Oxide Nanomaterials for Wastewater Decontamination. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 63-95.	0.3	0
170	10.2478/s11814-009-0330-4. , 2011, 27, 193.		0