

# Abdallah M Elgorban

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

213  
papers

2,604  
citations

22  
h-index

41  
g-index

230  
ext. papers

3,837  
ext. citations

4.3  
avg, IF

6.03  
L-index

#	Paper	IF	Citations
213	Beijerinckia fluminensis BFC-33, a novel multi-stress-tolerant soil bacterium: Deciphering the stress amelioration, phytopathogenic inhibition and growth promotion in Triticum aestivum L. (wheat).. <i>Chemosphere</i> , <b>2022</b> , 295, 133843	8.4	5
212	Fabrication of intimately coupled CeO <sub>2</sub> /ZnFe <sub>2</sub> O <sub>4</sub> nano-heterojunction for visible-light photocatalysis and bactericidal application. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 279, 125759	4.4	5
211	Designing Z-scheme AgIO nanorod embedded with BiS nanoflakes for expeditious visible light photodegradation of Congo red and rhodamine B.. <i>Chemosphere</i> , <b>2022</b> , 133755	8.4	3
210	Graphene oxide mediated enhanced cellulase production using pomegranate waste following co-cultured condition with improved pH and thermal stability. <i>Fuel</i> , <b>2022</b> , 312, 122807	7.1	1
209	Biodegradation of PAHs by Bacillus marsiflavi, genome analysis and its plant growth promoting potential. <i>Environmental Pollution</i> , <b>2022</b> , 292, 118343	9.3	6
208	Ag decorated CrS NPs embedded on PVP matrix: A colorimetric probe for selective and rapid detection of sulphide ions from environmental samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2022</b> , 264, 120253	4.4	1
207	SPR based gold nano-probe as optical sensor for cysteine detection via plasmonic enhancement in the presence of Cr. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2022</b> , 265, 120356	4.4	4
206	Process optimization and characterization of pectin derived from underexploited pineapple peel biowaste as a value-added product. <i>Food Hydrocolloids</i> , <b>2022</b> , 123, 107141	10.6	10
205	Decoration of Ag <sub>2</sub> WO <sub>4</sub> on plate-like MnS for mitigating the charge recombination and tuned bandgap for enhanced white light photocatalysis and antibacterial applications. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 889, 161662	5.7	14
204	Chemical Composition of Essential Oil and Its Potential Antioxidant and Antimicrobial Activities.. <i>Plants</i> , <b>2022</b> , 11,	4.5	4
203	Diversity and Biosynthetic Activities of Agarwood Associated Fungi. <i>Diversity</i> , <b>2022</b> , 14, 211	2.5	0
202	Understanding the phytotoxic impact of Al, nano-size, and bulk AlO on growth and physiology of maize (Zea mays L.) in aqueous and soil media.. <i>Chemosphere</i> , <b>2022</b> , 134555	8.4	1
201	AR independent anticancer potential of enza against prostate cancer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2022</b> , 642, 128598	5.1	
200	Quinoline based thiosemicarbazones as colorimetric chemosensors for fluoride and cyanide ions and DFT studies.. <i>Scientific Reports</i> , <b>2022</b> , 12, 4927	4.9	3
199	Using Culture-Dependent and Molecular Techniques to Identify Endophytic Fungi Associated with Tea Leaves (Camellia spp.) in Yunnan Province, China. <i>Diversity</i> , <b>2022</b> , 14, 287	2.5	0
198	Hydrogel assisted synthesis of gold nanoparticles with enhanced microbicidal and in vivo wound healing potential.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6575	4.9	1
197	Brunneosporopsis yunnanensis gen. et sp. nov. and Allocryptovalsa xishuangbanica sp. nov., New Terrestrial Sordariomycetes from Southwest China. <i>Life</i> , <b>2022</b> , 12, 635	3	0

196	Management of Green Mold Disease in White Button Mushroom ( <i>Agaricus bisporus</i> ) and Its Yield Improvement. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2022</b> , 8, 554	5.6	0
195	<i>Lembosia mimusopis</i> sp. nov. from Thailand. <i>Mycotaxon</i> , <b>2021</b> , 136, 635-644	0.5	
194	Drought Tolerant sp./ Secretes Indole-3-acetic Acid and Other Biomolecules and Enhances the Biological Attributes of ( <i>L.</i> ) <i>R. Wilczek</i> in Water Deficit Conditions. <i>Biology</i> , <b>2021</b> , 10,	4.9	11
193	Fruit Derived Potentially Bioactive Bioengineered Silver Nanoparticles. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 7711-7726	7.3	6
192	The toxicity analysis of PVP, PVA and PEG surface functionalized ZnO nanoparticles on embryonic as well as adult <i>Danio rerio</i> . <i>Environmental Monitoring and Assessment</i> , <b>2021</b> , 193, 824	3.1	2
191	Potentially Bioactive Fungus Mediated Silver Nanoparticles.. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
190	Co-inoculation of rhizobacteria promotes growth, yield, and nutrient contents in soybean and improves soil enzymes and nutrients under drought conditions. <i>Scientific Reports</i> , <b>2021</b> , 11, 22081	4.9	20
189	Designing intimate porous Al <sub>2</sub> O <sub>3</sub> decorated 2D CdO nano-heterojunction as enhanced white light driven photocatalyst and antibacterial agent. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 162807	5.7	6
188	Photocatalytic degradation of methyl orange by cadmium oxide nanoparticles synthesized by the sol-gel method. <i>Optik</i> , <b>2021</b> , 251, 168401	2.5	1
187	Synthesis, Computational Pharmacokinetics Report, Conceptual DFT-Based Calculations and Anti-Acetylcholinesterase Activity of Hydroxyapatite Nanoparticles Derived From Plant Extract. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 741037	5	3
186	High-throughput amplicon sequencing of fungi and microbial eukaryotes associated with the seagrass <i>Halophila stipulacea</i> (Forssk.) Asch. from Al-Leith mangroves, Saudi Arabia. <i>Mycological Progress</i> , <b>2021</b> , 20, 1365-1381	1.9	0
185	Sulfonated PVdF-HFP/shuttle-like SrBaWO <sub>4</sub> nanocomposite membranes for the evolution of high performance and durable DMFCs. <i>Solid State Ionics</i> , <b>2021</b> , 372, 115776	3.3	1
184	Antimicrobial and synergistic effect of Moroccan native essential oil for modulating of antibiotics resistance. <i>Natural Product Research</i> , <b>2021</b> , 35, 6078-6082	2.3	4
183	Luteolin-Fabricated ZnO Nanostructures Showed PLK-1 Mediated Anti-Breast Cancer Activity. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	11
182	Enhanced antibacterial and visible light driven photocatalytic activity of CaFe <sub>2</sub> O <sub>4</sub> doped CdO heterojunction nanohybrid particles prepared by sono-chemical method. <i>Optical Materials</i> , <b>2021</b> , 113, 110595	3.3	13
181	Silver nanoparticles synthesized by showed antifungal activity. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 1847-1852	4	10
180	Biogenic Synthesis of NiO Nanoparticles Using Leaf Extract and Their Antidiabetic and Cytotoxic Effects. <i>Molecules</i> , <b>2021</b> , 26,	4.8	5
179	Biosynthesis of silver nanoparticles using and analysis of their antifungal activity. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 2123-2127	4	19

178	Synthesis of novel heterostructured FeS <sub>2</sub> /Ag <sub>2</sub> MoO <sub>4</sub> nanocomposite: Characterization, efficient antibacterial and enhanced visible light driven photocatalytic activity. <i>Surfaces and Interfaces</i> , <b>2021</b> , 23, 101003	4.1	8
177	Biological characteristics and biomarkers of novel SARS-CoV-2 facilitated rapid development and implementation of diagnostic tools and surveillance measures. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 177, 112969	11.8	6
176	Review on biomass feedstocks, pyrolysis mechanism and physicochemical properties of biochar: State-of-the-art framework to speed up vision of circular bioeconomy. <i>Journal of Cleaner Production</i> , <b>2021</b> , 297, 126645	10.3	63
175	Cholesterol Reduction and Vitamin B12 Production Study on <i>Enterococcus faecium</i> and <i>Lactobacillus pentosus</i> Isolated From Yoghurt. <i>Sustainability</i> , <b>2021</b> , 13, 5853	3.6	1
174	Investigation of Antifungal Properties of Synthetic Dimethyl-4-Bromo-1-(Substituted Benzoyl) Pyrrolo[1,2-a] Quinoline-2,3-Dicarboxylates Analogues: Molecular Docking Studies and Conceptual DFT-Based Chemical Reactivity Descriptors and Pharmacokinetics Evaluation. <i>Molecules</i> , <b>2021</b> , 26,	4.8	7
173	Bioremediation characteristics, influencing factors of dichlorodiphenyltrichloroethane (DDT) removal by using non-indigenous <i>Paracoccus</i> sp. <i>Chemosphere</i> , <b>2021</b> , 270, 129474	8.4	2
172	<i>Mesorhizobium ciceri</i> as biological tool for improving physiological, biochemical and antioxidant state of <i>Cicer aritenum</i> (L.) under fungicide stress. <i>Scientific Reports</i> , <b>2021</b> , 11, 9655	4.9	10
171	Preparation of plasmonic CoS/Ag <sub>2</sub> WO <sub>4</sub> nanocomposites: Efficient visible light driven photocatalysts and enhanced anti-microbial activity. <i>Colloids and Interface Science Communications</i> , <b>2021</b> , 42, 100415	5.4	14
170	Inoculation of <i>Klebsiella variicola</i> Alleviated Salt Stress and Improved Growth and Nutrients in Wheat and Maize. <i>Agronomy</i> , <b>2021</b> , 11, 927	3.6	22
169	An intensified approach for transesterification of biodiesel from <i>Annona squamosa</i> seed oil using ultrasound-assisted homogeneous catalysis reaction and its process optimization. <i>Fuel</i> , <b>2021</b> , 291, 120195 <sup>1</sup>	7.1	9
168	Integrating Ag <sub>2</sub> WO <sub>4</sub> on VS <sub>4</sub> nanoplates with synergy of plasmonic photocatalysis and boosted visible-light harvesting and its antibacterial applications. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 865, 158810	5.7	18
167	A simple approach for the synthesis of bi-functional p-n type ZnO@CuFe <sub>2</sub> O <sub>4</sub> heterojunction nanocomposite for photocatalytic and antimicrobial application. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2021</b> , 130, 114664	3	16
166	Potency of plant extracts against <i>Penicillium</i> species isolated from different seeds and fruits in Saudi Arabia. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 3294-3302	4	2
165	Biosorption of oxybenzene using biosorbent prepared by raw wastes of and comparative study by using commercially available activated carbon. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 3469-3476	4	4
164	Halotolerant Microbial Consortia for Sustainable Mitigation of Salinity Stress, Growth Promotion, and Mineral Uptake in Tomato Plants and Soil Nutrient Enrichment. <i>Sustainability</i> , <b>2021</b> , 13, 8369	3.6	17
163	Nano-decolorization of methylene blue by iron nanoparticles: an eco-friendly synthesis and its antimicrobial, phytotoxicity study. <i>Applied Nanoscience (Switzerland)</i> , <b>2021</b> , 1-11	3.3	1
162	Isolation, Characterization and In-Silico Study of Conotoxin Protein from <i>Conus lorioisii</i> and Its Anti-cancer Activity. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2021</b> , 27, 385-395	2.1	4
161	A potent multifunctional MnS/Ag-polyvinylpyrrolidone nanocomposite for enhanced detection of Hg from aqueous samples and its photocatalytic and antibacterial applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 244, 118844	4.4	3

160	Development of silver-polyvinylpyrrolidone nanocomposite for the selective and sensitive detection of sulfide from aqueous sample and its antimicrobial activity. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 257, 123789	4.4	9
159	Development of multifunctional Cu sensitized Ag-dextran nanocomposite for selective and sensitive detection of mercury from environmental sample and evaluation of its photocatalytic and anti-microbial applications. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 321, 114742	6	6
158	Fatty acid production of thraustochytrids from Saudi Arabian mangroves. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 855-864	4	1
157	Mercury removal from aqueous solution using petal-like MoS <sub>2</sub> nanosheets. <i>Frontiers of Environmental Science and Engineering</i> , <b>2021</b> , 15, 1	5.8	6
156	Synthesis of gallotannin capped iron oxide nanoparticles and their broad spectrum biological applications.. <i>RSC Advances</i> , <b>2021</b> , 11, 9880-9893	3.7	5
155	In vitro antimicrobial and synergistic effect of essential oil from the red macroalgae <i>Centroceras clavulatum</i> (C. Agardh) Montagne with conventional antibiotics. <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2021</b> , 11, 414	1.4	0
154	Vincamine, a safe natural alkaloid, represents a novel anticancer agent. <i>Bioorganic Chemistry</i> , <b>2021</b> , 107, 104626	5.1	7
153	Chemical composition and synergistic effect of three Moroccan lavender EOs with ciprofloxacin against foodborne bacteria: a promising approach to modulate antimicrobial resistance. <i>Letters in Applied Microbiology</i> , <b>2021</b> , 72, 698-705	2.9	0
152	Stemphylium Leaf Blight of Welsh Onion (): An Emerging Disease in Sanxing, Taiwan. <i>Plant Disease</i> , <b>2021</b> , PDIS11202329RE	1.5	1
151	Experimental assessment of performance, combustion and emission characteristics of diesel engine fuelled by combined non-edible blends with nanoparticles. <i>Fuel</i> , <b>2021</b> , 295, 120590	7.1	18
150	Assessment of Chemopreventive Potential of the Plant Extracts against Liver Cancer Using HepG2 Cell Line. <i>Molecules</i> , <b>2021</b> , 26,	4.8	2
149	New host and distributional records for <i>Camarosporidiella</i> in Italy, Russia, and Ukraine. <i>Mycotaxon</i> , <b>2021</b> , 136, 451-489	0.5	2
148	Performance analysis of novel Bi <sub>6</sub> Cr <sub>2</sub> O <sub>15</sub> coupled Co <sub>3</sub> O <sub>4</sub> nano-heterostructure constructed by ultrasonic assisted method: Visible-light driven photocatalyst and antibacterial agent. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 622, 126671	5.1	11
147	Rhizobacteria Inoculation and Caffeic Acid Alleviated Drought Stress in Lentil Plants. <i>Sustainability</i> , <b>2021</b> , 13, 9603	3.6	8
146	Morphological and phylogenetic appraisal of <i>Ophioceras</i> (Ophiocerales, Magnaporthales). <i>PLoS ONE</i> , <b>2021</b> , 16, e0253853	3.7	0
145	A systematic review and -analysis on the prevalence of infectious diseases of Duck: A world perspective. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 5131-5144	4	0
144	In silico screening and validation of KPHS_00890 protein of <i>Klebsiella pneumoniae</i> proteome: An application to bacterial resistance and pathogenesis. <i>Journal of King Saud University - Science</i> , <b>2021</b> , 33, 101537	3.6	
143	New Insight into the Chemical Composition, Antimicrobial and Synergistic Effects of the Moroccan Endemic (Ball) Roussine Essential Oil in Combination with Conventional Antibiotics. <i>Molecules</i> , <b>2021</b> , 26,	4.8	6

142	Heavy Metals Induced Modulations in Growth, Physiology, Cellular Viability, and Biofilm Formation of an Identified Bacterial Isolate. <i>ACS Omega</i> , <b>2021</b> , 6, 25076-25088	3.9	7
141	Investigation of Pharmaceutical Importance of 2H-Pyran-2-One Analogues via Computational Approaches. <i>Symmetry</i> , <b>2021</b> , 13, 1619	2.7	1
140	Double Coating as a Novel Technology for Controlling Urea Dissolution in Soil: A Step toward Improving the Sustainability of Nitrogen Fertilization Approaches. <i>Sustainability</i> , <b>2021</b> , 13, 10707	3.6	
139	Titanium Dioxide Nanoparticles Induce Inhibitory Effects against Planktonic Cells and Biofilms of Human Oral Cavity Isolates of , sp. and. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	2
138	Naphthyridine derived colorimetric and fluorescent turn off sensors for Ni in aqueous media. <i>Scientific Reports</i> , <b>2021</b> , 11, 19242	4.9	2
137	Heavy metals immobilization and improvement in maize ( <i>Zea mays</i> L.) growth amended with biochar and compost. <i>Scientific Reports</i> , <b>2021</b> , 11, 18416	4.9	18
136	Coupling of nano-spinel MgFe <sub>2</sub> O <sub>4</sub> on Co <sub>3</sub> O <sub>4</sub> for heterogeneous photocatalysis and antibacterial applications: Insights of optoelectrical properties. <i>Colloids and Interface Science Communications</i> , <b>2021</b> , 44, 100467	5.4	3
135	The Synergistic Action of Three Piper Plant Extracts and Biofertilizer for Growth Promotion and Biocontrol of Blast Disease in Red Rice. <i>Sustainability</i> , <b>2021</b> , 13, 10412	3.6	0
134	Studies on Zero-cost algae based phytoremediation of dye and heavy metal from simulated wastewater. <i>Bioresource Technology</i> , <b>2021</b> , 342, 125971	11	1
133	Novel NiS/Ag <sub>2</sub> MoO <sub>4</sub> heterostructure nanocomposite: Synthesis, characterization and superior antibacterial and enhanced photocatalytic activity. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2021</b> , 133, 114767	3	10
132	High performance MnO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> nanocomposite as white light photocatalyst and bactericidal agent: Insights on photoluminescence and intrinsic mechanism. <i>Optical Materials</i> , <b>2021</b> , 120, 111438	3.3	7
131	Facile synthesis of MgS/Ag <sub>2</sub> MoO <sub>4</sub> nanohybrid heterojunction: Outstanding visible light harvesting for boosted photocatalytic degradation of MB and its anti-microbial applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 627, 127097	5.1	10
130	Integrating plasmonic effect and nano-heterojunction formation for boosted light harvesting and photocatalytic performance using CaWO <sub>4</sub> /Ag <sub>2</sub> MoO <sub>4</sub> and its antibacterial applications. <i>Materials Science in Semiconductor Processing</i> , <b>2021</b> , 133, 105921	4.3	3
129	Development of Ag decorated Au core-shell nanospheres for the detection of Cr(III) from environmental sample. <i>Optical Materials</i> , <b>2021</b> , 120, 111409	3.3	1
128	Performance analysis of novel La <sub>6</sub> WO <sub>12</sub> /Ag <sub>2</sub> WO <sub>4</sub> nano-system for efficient visible-light photocatalysis and antimicrobial activity. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 879, 160075	5.7	1
127	Construction of nano-heterojunction AgFeO <sub>2</sub> /ZnO for boosted photocatalytic performance and its antibacterial applications. <i>Materials Science in Semiconductor Processing</i> , <b>2021</b> , 133, 105924	4.3	20
126	Visible-light sensitization and recombination delay through coupling CaFe <sub>2</sub> O <sub>4</sub> on Bi <sub>2</sub> O <sub>3</sub> nanocomposite for high performance photocatalytic and antibacterial applications. <i>Surfaces and Interfaces</i> , <b>2021</b> , 26, 101336	4.1	3
125	Differential responses of maize ( <i>Zea mays</i> ) at the physiological, biomolecular, and nutrient levels when cultivated in the presence of nano or bulk ZnO or CuO or Zn or Cu ions. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 419, 126493	12.8	9

124	Construction of Ag <sub>2</sub> WO <sub>4</sub> decorated CoWO <sub>4</sub> nano-heterojunction with recombination delay for enhanced visible light photocatalytic performance and its antibacterial applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 629, 127416	5.1	7
123	Differential bioaccumulations and ecotoxicological impacts of metal-oxide nanoparticles, bulk materials, and metal-ions in cucumbers grown in sandy clay loam soil. <i>Environmental Pollution</i> , <b>2021</b> , 289, 117854	9.3	6
122	Improved visible-light driven photocatalysis of a novel heterostructure by the decoration of CuS on Ag <sub>2</sub> MoO <sub>4</sub> nanorod: Synthesis, characterization, elucidation of photocatalytic mechanism and anti-microbial application. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 629, 127371	5.1	0
121	Designing spinel CoFe <sub>2</sub> O <sub>4</sub> loaded sheet-like Bi <sub>2</sub> O <sub>3</sub> nano-heterostructure for synergetic white-light photocatalysis with recombination delay and antibacterial applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 629, 127449	5.1	3
120	Visible light driven photocatalytic activity and efficient antibacterial activity of ZnFe <sub>2</sub> O <sub>4</sub> decorated CdO nanohybrid heterostructures synthesized by ultrasonic-assisted method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 628, 127307	5.1	6
119	High performance nanohybrid CeO <sub>2</sub> @2D CdO plates with suppressed charge recombination: Insights of photoluminescence, visible-light photocatalysis, intrinsic mechanism and antibacterial activity. <i>Optical Materials</i> , <b>2021</b> , 121, 111510	3.3	0
118	A novel SPR based Fe@Ag core-shell nanosphere entrapped on starch matrix an optical probe for sensing of mercury(II) ion: A nanomolar detection, wide pH range and real water sample application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 263, 120204	4.4	5
117	Lignocellulosic composition based thermal kinetic study of Mangifera indica Lam, Artocarpus Heterophyllus Lam and Syzygium Jambolana seeds. <i>Bioresource Technology</i> , <b>2021</b> , 341, 125891	11	3
116	Evaluation of enhanced production of cellulose deconstructing enzyme using natural and alkali pretreated sugar cane bagasse under the influence of graphene oxide. <i>Bioresource Technology</i> , <b>2021</b> , 342, 126015	11	5
115	Spinel FeV <sub>2</sub> O <sub>4</sub> coupling on nanocube-like Bi <sub>2</sub> O <sub>3</sub> for high performance white light photocatalysis and antibacterial applications. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 887, 161432	5.7	8
114	Biogenic enabled in-vitro synthesis of nickel cobaltite nanoparticle and its application in single stage hybrid biohydrogen production. <i>Bioresource Technology</i> , <b>2021</b> , 342, 126006	11	3
113	Microplastics and trace metals in fish species of the Gulf of Mannar (Indian Ocean) and evaluation of human health. <i>Environmental Pollution</i> , <b>2021</b> , 291, 118089	9.3	6
112	Biological synthesis of Ag <sub>2</sub> S composite nanoparticles using the fungus Humicola sp. and its biomedical applications. <i>Journal of Drug Delivery Science and Technology</i> , <b>2021</b> , 66, 102770	4.5	3
111	Co-fermentation of residual algal biomass and glucose under the influence of FeO nanoparticles to enhance biohydrogen production under dark mode. <i>Bioresource Technology</i> , <b>2021</b> , 342, 126034	11	5
110	Green synthesis of Cu/Fe <sub>3</sub> O <sub>4</sub> nanocomposite using Calendula extract and evaluation of its catalytic activity for chemoselective oxidation of sulfides to sulfoxides with aqueous hydrogen peroxide. <i>Journal of Organometallic Chemistry</i> , <b>2021</b> , 954-955, 122077	2.3	1
109	Genotoxic assay of silver and zinc oxide nanoparticles synthesized by leaf extract of Garcinia livingstonei T. Anderson: A comparative study. <i>Pharmacognosy Magazine</i> , <b>2021</b> , 17, 114	0.8	1
108	Isolation and characterization of plant growth promoting rhizobacteria and their biocontrol efficacy against phytopathogens of tomato (Solanum lycopersicum L.). <i>Plant Biosystems</i> , <b>2020</b> , 1-7	1.6	2
107	A Mixture of Piper Leaves Extracts and Rhizobacteria for Sustainable Plant Growth Promotion and Bio-Control of Blast Pathogen of Organic Bali Rice. <i>Sustainability</i> , <b>2020</b> , 12, 8490	3.6	20

106	Colorimetric detection of mercury ions from environmental water sample by using 3-(Trimethoxysilyl)propyl methacrylate functionalized Ag NPs-tryptophan nanoconjugate. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2020</b> , 207, 111888	6.7	14
105	Enhance production of fungal cellulase cocktail using cellulosic waste. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 19, 100949	7	4
104	Tree bark scrape fungus: A potential source of laccase for application in bioremediation of non-textile dyes. <i>PLoS ONE</i> , <b>2020</b> , 15, e0229968	3.7	8
103	Curcumin and <i>Gymnema sylvestre</i> extract loaded graphene oxide-polyhydroxybutyrate-sodium alginate composite for diabetic wound regeneration. <i>Reactive and Functional Polymers</i> , <b>2020</b> , 154, 104674	4.6	12
102	Enhanced SPR signals based on methylenediphosphonic acid functionalized Ag NPs for the detection of Hg(II) in the presence of an antioxidant glutathione. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 311, 113281	6	7
101	Phytochemical profiling, antioxidant and antibacterial efficacy of a native Himalayan Fern: (Makino) Nakai. <i>Saudi Journal of Biological Sciences</i> , <b>2020</b> , 27, 1961-1967	4	4
100	Fungal diversity notes 1151-1276: taxonomic and phylogenetic contributions on genera and species of fungal taxa. <i>Fungal Diversity</i> , <b>2020</b> , 100, 5-277	17.6	62
99	Bioremediation of Explosive TNT by. <i>Molecules</i> , <b>2020</b> , 25,	4.8	14
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95	Highly selective and effective environmental mercuric ion detection method based on starch modified Ag NPs in presence of glycine. <i>Optics Communications</i> , <b>2020</b> , 465, 125564	2	16
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37	New saprobic marine fungi and a new combination. <i>Botanica Marina</i> , <b>2017</b> , 60,	1.8	12
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3	Cu Nanoparticles Anchored over Chitosan-Alginate Modified Magnetic Nanoparticles to Explore the C-N Heterocoupling Reactions. <i>Polycyclic Aromatic Compounds</i> , 1-13	1.3	
2	Enhanced anti-methicillin-resistant <i>Staphylococcus aureus</i> activity of bacteriocin by encapsulation on silver nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 1	3.3	4
1	Cu Nanoparticles Anchored over Chitosan-Alginate Modified Magnetic Nanoparticles to Explore the C-N Heterocoupling Reactions. <i>Polycyclic Aromatic Compounds</i> , 1-12	1.3	