

Asad Syed

List of Publications by Year in descending order

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203
papers

5,366
citations

109321

35
h-index

144013

57
g-index

209
all docs

209
docs citations

209
times ranked

4595
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-decolorization of methylene blue by <i>Phyllanthus reticulatus</i> iron nanoparticles: an eco-friendly synthesis and its antimicrobial, phytotoxicity study. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 2527-2537.	3.1	10
2	Structural, Electronic, Vibrational and Pharmacological Investigations of Highly Functionalized Diarylmethane Molecules Using DFT Calculations, <i>Molecular Dynamics and Molecular Docking. Polycyclic Aromatic Compounds</i> , 2023, 43, 2177-2195.	2.6	4
3	Synthesis and characterization of poly-3-(9H-carbazol-9-yl)propylmethacrylate as a gel electrolyte for dye-sensitized solar cell applications. <i>Polymer Bulletin</i> , 2022, 79, 921-934.	3.3	4
4	Facile Hydrothermal Synthesis of Tungsten Tri-oxide/Titanium Di-oxide Nanohybrid Structures as Photocatalyst for Wastewater Treatment Application. <i>Journal of Cluster Science</i> , 2022, 33, 1327-1336.	3.3	2
5	AgO decorated Cr ₂ S ₃ 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> , 2022, 264, 120253.	3.9	4
6	SPR based gold nano-probe as optical sensor for cysteine detection via plasmonic enhancement in the presence of Cr ³⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 265, 120356.	3.9	9
7	Process optimization and characterization of pectin derived from underexploited pineapple peel biowaste as a value-added product. <i>Food Hydrocolloids</i> , 2022, 123, 107141.	10.7	46
8	Designing intimate porous Al ₂ O ₃ decorated 2D CdO nano-heterojunction as enhanced white light driven photocatalyst and antibacterial agent. <i>Journal of Alloys and Compounds</i> , 2022, 896, 162807.	5.5	23
9	Photocatalytic degradation of methyl orange by cadmium oxide nanoparticles synthesized by the sol-gel method. <i>Optik</i> , 2022, 251, 168401.	2.9	11
10	Impact of mixed lignocellulosic substrate and fungal consortia to enhance cellulase production and its application in NiFe ₂ O ₄ nanoparticles mediated enzymatic hydrolysis of wheat straw. <i>Bioresource Technology</i> , 2022, 345, 126560.	9.6	8
11	Graphene oxide mediated enhanced cellulase production using pomegranate waste following co-cultured condition with improved pH and thermal stability. <i>Fuel</i> , 2022, 312, 122807.	6.4	9
12	<i>Beijerinckia fluminensis</i> BFC-33, a novel multi-stress-tolerant soil bacterium: Deciphering the stress amelioration, phytopathogenic inhibition and growth promotion in <i>Triticum aestivum</i> (L.). <i>Chemosphere</i> , 2022, 295, 133843.	8.2	34
13	Fabrication of intimately coupled CeO ₂ /ZnFe ₂ O ₄ nano-heterojunction for visible-light photocatalysis and bactericidal application. <i>Materials Chemistry and Physics</i> , 2022, 279, 125759.	4.0	27
14	Plant growth promoting strain <i>Bacillus cereus</i> (RCS-4 MZ520573.1) enhances phytoremediation potential of <i>Cynodon dactylon</i> L. in distillery sludge. <i>Environmental Research</i> , 2022, 208, 112709.	7.5	7
15	Designing Z-scheme AgIO ₄ nanorod embedded with Bi ₂ S ₃ nanoflakes for expeditious visible light photodegradation of congo red and rhodamine B. <i>Chemosphere</i> , 2022, 294, 133755.	8.2	26
16	Plants and endophytes – a partnership for the coumarin production through the microbial systems. <i>Mycology</i> , 2022, 13, 243-256.	4.4	14
17	Significance of Immune Status of SARS-CoV-2 Infected Patients in Determining the Efficacy of Therapeutic Interventions. <i>Journal of Personalized Medicine</i> , 2022, 12, 349.	2.5	3
18	N-((1H-Pyrrol-2-yl)methylene)-6-methoxypyridin-3-amine and Its Co(II) and Cu(II) Complexes as Antimicrobial Agents: Chemical Preparation, In Vitro Antimicrobial Evaluation, In Silico Analysis and Computational and Theoretical Chemistry Investigations. <i>Molecules</i> , 2022, 27, 1436.	3.8	6

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19	Understanding the phytotoxic impact of Al ³⁺ , nano-size, and bulk Al ₂ O ₃ on growth and physiology of maize (<i>Zea mays</i> L.) in aqueous and soil media. <i>Chemosphere</i> , 2022, 300, 134555.	8.2	13
20	Continuous photocatalysis via Z-scheme based nanocatalyst system for environmental remediation of pharmaceutically active compound: Modification, reaction site, defect engineering and challenges on the nanocatalyst. <i>Journal of Molecular Liquids</i> , 2022, 353, 118745.	4.9	12
21	AR independent anticancer potential of enza against prostate cancer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 642, 128598.	4.7	5
22	Î±Au ₂ S nanoparticles: Fungal-mediated synthesis, structural characterization and bioassay. <i>Green Chemistry Letters and Reviews</i> , 2022, 15, 61-70.	4.7	13
23	Enhanced biogas production potential analysis of rice straw: Biomass characterization, kinetics and anaerobic co-digestion investigations. <i>Bioresource Technology</i> , 2022, 358, 127391.	9.6	15
24	An insight into reactivity and bioactivity properties of quorum sensing peptides against PDE10A: a computational peptidology approach. <i>Journal of Molecular Modeling</i> , 2022, 28, .	1.8	1
25	Antimicrobial and synergistic effect of Moroccan native <i>Argania spinosa</i> essential oil for modulating of antibiotics resistance. <i>Natural Product Research</i> , 2021, 35, 6078-6082.	1.8	11
26	A potent multifunctional MnS/Ag-polyvinylpyrrolidone nanocomposite for enhanced detection of Hg ²⁺ from aqueous samples and its photocatalytic and antibacterial applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 244, 118844.	3.9	9
27	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> , 2021, 257, 123789.	4.0	16
28	Physiological disruption, structural deformation and low grain yield induced by neonicotinoid insecticides in chickpea: A long term phytotoxicity investigation. <i>Chemosphere</i> , 2021, 262, 128388.	8.2	24
29	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> , 2021, 321, 114742.	4.9	9
30	Impact of metal-oxide nanoparticles on growth, physiology and yield of tomato (<i>Solanum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td 116218.	7.5	39
31	In silico evaluation of flavonoids as effective antiviral agents on the spike glycoprotein of SARS-CoV-2. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1040-1051.	3.8	66
32	Isolation and identification of <i>Leptospira</i> species from bovines by rpoB and LipL41 genes based phylogenetic analysis. <i>Journal of King Saud University - Science</i> , 2021, 33, 101272.	3.5	1
33	Upper rim modified calix[4]arene towards selective turn-on fluorescence sensor for spectroscopically silent metal ions. <i>Inorganica Chimica Acta</i> , 2021, 516, 120133.	2.4	8
34	Mercury removal from aqueous solution using petal-like MoS ₂ nanosheets. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	6.0	27
35	Facile two-step electrochemical approach for the fabrication of nanostructured nickel oxyhydroxide/SS and its studies on oxygen evolution reaction. <i>Chemical Papers</i> , 2021, 75, 2485-2494.	2.2	4
36	The aqueous dependent sensing of hydrazine and phosphate anions using a bis-heteroleptic Ru(ⁱⁱ) complex with a phthalimide-anchored pyridine-triazole ligand. <i>Analyst</i> , The, 2021, 146, 1430-1443.	3.5	6

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37	Synthesis of gallotannin capped iron oxide nanoparticles and their broad spectrum biological applications. <i>RSC Advances</i> , 2021, 11, 9880-9893.	3.6	16
38	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> , 2021, 11, 414.	1.2	2
39	Antitumor Potential of Green Synthesized ZnONPs Using Root Extract of <i>Withania somnifera</i> against Human Breast Cancer Cell Line. <i>Separations</i> , 2021, 8, 8.	2.4	16
40	PGMD/curcumin nanoparticles for the treatment of breast cancer. <i>Scientific Reports</i> , 2021, 11, 3824.	3.3	54
41	Vincamine, a safe natural alkaloid, represents a novel anticancer agent. <i>Bioorganic Chemistry</i> , 2021, 107, 104626.	4.1	20
42	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> , 2021, 72, 698-705.	2.2	8
43	Luteolin-Fabricated ZnO Nanostructures Showed PLK-1 Mediated Anti-Breast Cancer Activity. <i>Biomolecules</i> , 2021, 11, 385.	4.0	27
44	Enhanced antibacterial and visible light driven photocatalytic activity of CaFe ₂ O ₄ doped CdO heterojunction nanohybrid particles prepared by sono-chemical method. <i>Optical Materials</i> , 2021, 113, 110595.	3.6	26
45	Elucidation of photocatalysis, photoluminescence and antibacterial studies of Ag ₂ MoO ₄ decorated NiMoO ₄ nano-heterostructure. <i>Optical Materials</i> , 2021, 113, 110856.	3.6	43
46	Biogenic Synthesis of NiO Nanoparticles Using <i>Areca catechu</i> Leaf Extract and Their Antidiabetic and Cytotoxic Effects. <i>Molecules</i> , 2021, 26, 2448.	3.8	28
47	Synthesis of novel heterostructured FeS ₂ /Ag ₂ MoO ₄ nanocomposite: Characterization, efficient antibacterial and enhanced visible light driven photocatalytic activity. <i>Surfaces and Interfaces</i> , 2021, 23, 101003.	3.0	20
48	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> , 2021, 177, 112969.	10.1	22
49	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> , 2021, 297, 126645.	9.3	202
50	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> , 2021, 26, 2722.	3.8	18
51	Bioremediation characteristics, influencing factors of dichlorodiphenyltrichloroethane (DDT) removal by using non-indigenous <i>Paracoccus</i> sp.. <i>Chemosphere</i> , 2021, 270, 129474.	8.2	9
52	Mesorhizobium <i>ciceri</i> as biological tool for improving physiological, biochemical and antioxidant state of <i>Cicer arietinum</i> (L.) under fungicide stress. <i>Scientific Reports</i> , 2021, 11, 9655.	3.3	36
53	Preparation of plasmonic CoS/Ag ₂ WO ₄ nanocomposites: Efficient visible light driven photocatalysts and enhanced anti-microbial activity. <i>Colloids and Interface Science Communications</i> , 2021, 42, 100415.	4.1	29
54	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> , 2021, 291, 120195.	6.4	32

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55	Integrating Ag ₂ WO ₄ on VS ₄ nanoplates with synergy of plasmonic photocatalysis and boosted visible-light harvesting and its antibacterial applications. <i>Journal of Alloys and Compounds</i> , 2021, 865, 158810.	5.5	29
56	A simple approach for the synthesis of bi-functional p-n type ZnO@CuFe ₂ O ₄ heterojunction nanocomposite for photocatalytic and antimicrobial application. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 130, 114664.	2.7	38
57	Biosorption of oxybenzene using biosorbent prepared by raw wastes of Zea mays and comparative study by using commercially available activated carbon. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 3469-3476.	3.8	8
58	Designing spinel NiCr ₂ O ₄ loaded Bi ₂ O ₃ semiconductor hybrid for mitigating the charge recombination and tuned band gap for enhanced white light photocatalysis and antibacterial applications. <i>Journal of Alloys and Compounds</i> , 2021, 865, 158735.	5.5	43
59	Halotolerant Microbial Consortia for Sustainable Mitigation of Salinity Stress, Growth Promotion, and Mineral Uptake in Tomato Plants and Soil Nutrient Enrichment. <i>Sustainability</i> , 2021, 13, 8369.	3.2	48
60	Experimental assessment of performance, combustion and emission characteristics of diesel engine fuelled by combined non-edible blends with nanoparticles. <i>Fuel</i> , 2021, 295, 120590.	6.4	37
61	Assessment of Chemopreventive Potential of the Plant Extracts against Liver Cancer Using HepG2 Cell Line. <i>Molecules</i> , 2021, 26, 4593.	3.8	14
62	Virtual screening of potential phyto-candidates as therapeutic leads against SARS-CoV-2 infection. <i>Environmental Challenges</i> , 2021, 4, 100136.	4.2	16
63	Performance analysis of novel Bi ₆ Cr ₂ O ₁₅ coupled Co ₃ O ₄ nano-heterostructure constructed by ultrasonic assisted method: Visible-light driven photocatalyst and antibacterial agent. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 622, 126671.	4.7	21
64	Exploring the Antibacterial and Antibiofilm Efficacy of Silver Nanoparticles Biosynthesized Using <i>Punica granatum</i> Leaves. <i>Molecules</i> , 2021, 26, 5762.	3.8	13
65	A systematic review and meta-analysis on the prevalence of infectious diseases of Duck: A world perspective. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 5131-5144.	3.8	7
66	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> , 2021, 33, 101537.	3.5	2
67	New Insight into the Chemical Composition, Antimicrobial and Synergistic Effects of the Moroccan Endemic <i>Thymus atlanticus</i> (Ball) Roussine Essential Oil in Combination with Conventional Antibiotics. <i>Molecules</i> , 2021, 26, 5850.	3.8	14
68	Heavy Metals Induced Modulations in Growth, Physiology, Cellular Viability, and Biofilm Formation of an Identified Bacterial Isolate. <i>ACS Omega</i> , 2021, 6, 25076-25088.	3.5	44
69	Investigation of Pharmaceutical Importance of 2H-Pyran-2-One Analogues via Computational Approaches. <i>Symmetry</i> , 2021, 13, 1619.	2.2	2
70	Titanium Dioxide Nanoparticles Induce Inhibitory Effects against Planktonic Cells and Biofilms of Human Oral Cavity Isolates of <i>Rothia mucilaginosa</i> , <i>Georgenia</i> sp. and <i>Staphylococcus saprophyticus</i> . <i>Pharmaceutics</i> , 2021, 13, 1564.	4.5	13
71	Naphthyridine derived colorimetric and fluorescent turn off sensors for Ni ²⁺ in aqueous media. <i>Scientific Reports</i> , 2021, 11, 19242.	3.3	11
72	Coupling of nano-spinel MgFe ₂ O ₄ on Co ₃ O ₄ for heterogeneous photocatalysis and antibacterial applications: Insights of optoelectrical properties. <i>Colloids and Interface Science Communications</i> , 2021, 44, 100467.	4.1	18

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73	Studies on Zero-cost algae based phytoremediation of dye and heavy metal from simulated wastewater. <i>Bioresource Technology</i> , 2021, 342, 125971.	9.6	9
74	Novel NiS/Ag ₂ MoO ₄ heterostructure nanocomposite: Synthesis, characterization and superior antibacterial and enhanced photocatalytic activity. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 133, 114767.	2.7	21
75	High performance MnO ₂ @Al ₂ O ₃ nanocomposite as white light photocatalyst and bactericidal agent: Insights on photoluminescence and intrinsic mechanism. <i>Optical Materials</i> , 2021, 120, 111438.	3.6	19
76	Facile synthesis of MgS/Ag ₂ MoO ₄ 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> , 2021, 627, 127097.	4.7	26
77	Integrating plasmonic effect and nano-heterojunction formation for boosted light harvesting and photocatalytic performance using CaWO ₄ /Ag ₂ MoO ₄ and its antibacterial applications. <i>Materials Science in Semiconductor Processing</i> , 2021, 133, 105921.	4.0	10
78	Development of Ag decorated Au core-shell nanospheres for the detection of Cr(III) from environmental sample. <i>Optical Materials</i> , 2021, 120, 111409.	3.6	5
79	Performance analysis of novel La ₆ WO ₁₂ /Ag ₂ WO ₄ nano-system for efficient visible-light photocatalysis and antimicrobial activity. <i>Journal of Alloys and Compounds</i> , 2021, 879, 160075.	5.5	7
80	Construction of nano-heterojunction AgFeO ₂ @ZnO for boosted photocatalytic performance and its antibacterial applications. <i>Materials Science in Semiconductor Processing</i> , 2021, 133, 105924.	4.0	35
81	Visible-light sensitization and recombination delay through coupling CaFe ₂ O ₄ on Bi ₂ O ₃ nanocomposite for high performance photocatalytic and antibacterial applications. <i>Surfaces and Interfaces</i> , 2021, 26, 101336.	3.0	5
82	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 ²⁺ or Cu ²⁺ ions. <i>Journal of Hazardous Materials</i> , 2021, 419, 126493.	12.4	46
83	Non-noble metal (Ni, Cu)-carbon composite derived from porous organic polymers for high-performance seawater electrolysis. <i>Environmental Pollution</i> , 2021, 289, 117861.	7.5	9
84	Construction of Ag ₂ WO ₄ decorated CoWO ₄ 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> , 2021, 629, 127416.	4.7	17
85	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> , 2021, 289, 117854.	7.5	21
86	Improved visible-light driven photocatalysis of a novel heterostructure by the decoration of CuS on Ag ₂ MoO ₄ nanorod: Synthesis, characterization, elucidation of photocatalytic mechanism and anti-microbial application. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 629, 127371.	4.7	12
87	Designing spinel CoFe ₂ O ₄ loaded sheet-like Bi ₂ O ₃ nano-heterostructure for synergetic white-light photocatalysis with recombination delay and antibacterial applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 629, 127449.	4.7	8
88	Visible light driven photocatalytic activity and efficient antibacterial activity of ZnFe ₂ O ₄ decorated CdO nanohybrid heterostructures synthesized by ultrasonic-assisted method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127307.	4.7	27
89	High performance nanohybrid CeO ₂ @2D CdO plates with suppressed charge recombination: Insights of photoluminescence, visible-light photocatalysis, intrinsic mechanism and antibacterial activity. <i>Optical Materials</i> , 2021, 121, 111510.	3.6	7
90	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> , 2021, 263, 120204.	3.9	7

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91	Lignocellulosic composition based thermal kinetic study of <i>Mangifera indica</i> Lam, <i>Artocarpus Heterophyllus</i> Lam and <i>Syzygium Jambolana</i> seeds. <i>Bioresource Technology</i> , 2021, 341, 125891.	9.6	16
92	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> , 2021, 342, 126015.	9.6	13
93	Spinel Fe_2O_4 coupling on nanocube-like Bi_2O_3 for high performance white light photocatalysis and antibacterial applications. <i>Journal of Alloys and Compounds</i> , 2021, 887, 161432.	5.5	25
94	Biogenic enabled in-vitro synthesis of nickel cobaltite nanoparticle and its application in single stage hybrid biohydrogen production. <i>Bioresource Technology</i> , 2021, 342, 126006.	9.6	11
95	Biological synthesis of β -Ag ₂ S composite nanoparticles using the fungus <i>Humicola</i> sp. and its biomedical applications. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 66, 102770.	3.0	6
96	Removal of levofloxacin from aqueous solution by green synthesized magnetite (Fe_3O_4) nanoparticles using <i>Moringa olifera</i> : Kinetics and reaction mechanism analysis. <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112826.	6.0	54
97	Co-fermentation of residual algal biomass and glucose under the influence of Fe_3O_4 nanoparticles to enhance biohydrogen production under dark mode. <i>Bioresource Technology</i> , 2021, 342, 126034.	9.6	22
98	Green synthesis of Cu/ Fe_3O_4 nanocomposite using <i>Calendula</i> extract and evaluation of its catalytic activity for chemoselective oxidation of sulfides to sulfoxides with aqueous hydrogen peroxide. <i>Journal of Organometallic Chemistry</i> , 2021, 954-955, 122077.	1.8	3
99	Decoration of Ag_2WO_4 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> , 2021, 889, 161662.	5.5	36
100	Genotoxic assay of silver and zinc oxide nanoparticles synthesized by leaf extract of <i>Garcinia livingstonei</i> T. Anderson: A comparative study. <i>Pharmacognosy Magazine</i> , 2021, 17, 114.	0.6	3
101	Callus induction and shoot regeneration from the immature flower bud of <i>Caesalpinia bonducella</i> and its antileptospiral potential by in vitro and in silico analysis. <i>Pharmacognosy Magazine</i> , 2021, 17, 38.	0.6	1
102	Synthesis, Computational Pharmacokinetics Report, Conceptual DFT-Based Calculations and Anti-Acetylcholinesterase Activity of Hydroxyapatite Nanoparticles Derived From <i>Acorus Calamus</i> Plant Extract. <i>Frontiers in Chemistry</i> , 2021, 9, 741037.	3.6	11
103	Identification and Characterization of Downy Mildew-Responsive microRNAs in Indian <i>Vitis vinifera</i> by High-Throughput Sequencing. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 899.	3.5	1
104	Everything Old Is New Again: Drug Repurposing Approach for Non-Small Cell Lung Cancer Targeting MAPK Signaling Pathway. <i>Frontiers in Oncology</i> , 2021, 11, 741326.	2.8	15
105	Genistein: A Potent Anti-Breast Cancer Agent. <i>Current Issues in Molecular Biology</i> , 2021, 43, 1502-1517.	2.4	53
106	Graphene quantum dot and iron co-doped TiO_2 photocatalysts: Synthesis, performance evaluation and phytotoxicity studies. <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112855.	6.0	22
107	Sulfonated PVdF-HFP/shuttle-like $SrBaWO_4$ nanocomposite membranes for the evolution of high performance and durable DMFCs. <i>Solid State Ionics</i> , 2021, 372, 115776.	2.7	1
108	Drought Tolerant <i>Enterobacter</i> sp./ <i>Leclercia adecarboxylata</i> Secretes Indole-3-acetic Acid and Other Biomolecules and Enhances the Biological Attributes of <i>Vigna radiata</i> (L.) R. Wilczek in Water Deficit Conditions. <i>Biology</i> , 2021, 10, 1149.	2.8	33

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109	Virtual Screening for Potential Phytobioactives as Therapeutic Leads to Inhibit NQO1 for Selective Anticancer Therapy. <i>Molecules</i> , 2021, 26, 6863.	3.8	5
110	Fruit Derived Potentially Bioactive Bioengineered Silver Nanoparticles. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 7711-7726.	6.7	19
111	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> , 2021, 193, 824.	2.7	7
112	Potentially Bioactive Fungus Mediated Silver Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 3227.	4.1	7
113	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> , 2021, 11, 22081.	3.3	58
114	Histidine Functionalized Gold Nanoparticles for Screening Aminoglycosides and Nanomolar Level Detection of Streptomycin in Water, Milk, and Whey. <i>Chemosensors</i> , 2021, 9, 358.	3.6	4
115	Cadmium oxide nanoparticles: An attractive candidate for novel therapeutic approaches. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 585, 124017.	4.7	15
116	Rapid colorimetric detection of mercury using silver nanoparticles in the presence of methionine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117712.	3.9	45
117	Gallic acid-functionalized silver nanoparticles as colorimetric and spectrophotometric probe for detection of Al ³⁺ in aqueous medium. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 82, 243-253.	5.8	19
118	Silver nanoparticle probe for colorimetric detection of aminoglycoside antibiotics: picomolar level sensitivity toward streptomycin in water, serum, and milk samples. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 874-884.	3.5	33
119	Production, purification and evaluation of biodegradation potential of PHB depolymerase of <i>Stenotrophomonas</i> sp. RZS7. <i>PLoS ONE</i> , 2020, 15, e0220095.	2.5	15
120	Highly sensitive and selective colorimetric detection of arginine by polyvinylpyrrolidone functionalized silver nanoparticles. <i>Journal of Molecular Liquids</i> , 2020, 300, 112361.	4.9	18
121	Green synthesis and characterization of gold nanoparticles using endophytic fungi <i>Fusarium solani</i> and its in-vitro anticancer and biomedical applications. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 706-712.	3.8	166
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