

Mohammad Oves

List of Publications by Year in descending order

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95
papers

7,468
citations

116194

36
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71088

80
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101
all docs

101
docs citations

101
times ranked

10081
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of <i>N</i> -Methylspiropyrrolidine Hybrids for Their Structural Characterization, Biological and Molecular Docking Studies. Polycyclic Aromatic Compounds, 2023, 43, 2430-2443.	1.4	3
2	Synthesis, Characterization, Molecular Docking and Antimicrobial Activity of Novel Spiropyrrolidine Derivatives. Polycyclic Aromatic Compounds, 2022, 42, 5385-5397.	1.4	8
3	Green synthesis of silver nanoparticles by Conocarpus Lancifolius plant extract and their antimicrobial and anticancer activities. Saudi Journal of Biological Sciences, 2022, 29, 460-471.	1.8	128
4	Revolutionization in Cancer Therapeutics via Targeting Major Immune Checkpoints PD-1, PD-L1 and CTLA-4. Pharmaceuticals, 2022, 15, 335.	1.7	35
5	COVID-19 Overview, Natural Immune-Boosting Medication, and The Economic Implication. Journal of Engineering and Science in Medical Diagnostics and Therapy, 2022, 5, .	0.3	1
6	Biofuel formation from microalgae: A renewable energy source for eco-sustainability. Current World Environment Journal, 2022, 17, 04-19.	0.2	1
7	Bacterial Synthesis of NPs and Their Scale-Up Technologies. , 2021, , 61-80.		0
8	A facile and green approach for the fabrication of nano-biocomposites by reducing silver salt solution into silver nanoparticles using modified carboxymethyl cellulose for antimicrobial potential. Journal of Polymer Research, 2021, 28, 1.	1.2	9
9	A Novel Approach to Unraveling the Apoptotic Potential of Rutin (Bioflavonoid) via Targeting Jab1 in Cervical Cancer Cells. Molecules, 2021, 26, 5529.	1.7	9
10	Rutin (Bioflavonoid) as Cell Signaling Pathway Modulator: Prospects in Treatment and Chemoprevention. Pharmaceuticals, 2021, 14, 1069.	1.7	39
11	Fabrication of Polyaniline Supported Nanocomposites and Their Sensing Application for Detection of Environmental Pollutants. , 2020, , 93-147.		2
12	Cyclization of chalcones into N-propionyl pyrazolines for their single crystal X-ray, computational and antibacterial studies. Journal of Molecular Structure, 2020, 1201, 127186.	1.8	20
13	Fatty acid synthesis by Chlamydomonas reinhardtii in phosphorus limitation. Journal of Bioenergetics and Biomembranes, 2020, 52, 27-38.	1.0	17
14	Synthesis and Antibacterial Aspects of Graphitic C ₃ N ₄ @Polyaniline Composites. Coatings, 2020, 10, 950.	1.2	22
15	Comparing and Contrasting MERS, SARS-CoV, and SARS-CoV-2: Prevention, Transmission, Management, and Vaccine Development. Pathogens, 2020, 9, 985.	1.2	1
16	Recent Advances in Metal Decorated Nanomaterials and Their Various Biological Applications: A Review. Frontiers in Chemistry, 2020, 8, 341.	1.8	391
17	DC electrical conductivity retention and antibacterial aspects of microwave-assisted ultrathin CuO@polyaniline composite. Chemical Papers, 2020, 74, 3887-3898.	1.0	8
18	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. Journal of Cleaner Production, 2020, 258, 120588.	4.6	42

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19	N-Trifluoroacetylated pyrazolines: Synthesis, characterization and antimicrobial studies. <i>Bioorganic Chemistry</i> , 2020, 99, 103842.	2.0	23
20	Graphene Decorated Zinc Oxide and Curcumin to Disinfect the Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Nanomaterials</i> , 2020, 10, 1004.	1.9	25
21	Graphene Based Composites of Metals/Metal Oxides as Photocatalysts. , 2020, , 329-337.		1
22	Biosynthesis of ZnO Nanostructures Using <i>Azadirachta indica</i> Leaf Extract and Their Effect on Seed Germination and Seedling Growth of Tomato: An Eco-Friendly Approach. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2020, 15, 1412-1422.	0.1	7
23	Antibacterial Silver Nanomaterial Synthesis From <i>Mesoflavibacter zeaxanthinifaciens</i> and Targeting Biofilm Formation. <i>Frontiers in Pharmacology</i> , 2019, 10, 801.	1.6	50
24	Biogenesis of ZnO nanoparticles using <i>Pandanus odorifer</i> leaf extract: anticancer and antimicrobial activities. <i>RSC Advances</i> , 2019, 9, 15357-15369.	1.7	166
25	Bougainvillea flower extract mediated zinc oxide's nanomaterials for antimicrobial and anticancer activity. <i>Biomedicine and Pharmacotherapy</i> , 2019, 116, 108983.	2.5	61
26	Chromium-reducing and phosphate-solubilizing <i>Achromobacter xylosoxidans</i> bacteria from the heavy metal-contaminated soil of the Brass city, Moradabad, India. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 6967-6984.	1.8	15
27	Facial synthesis of highly active polymer vanadium molybdate nanocomposite: Improved thermoelectric and antimicrobial studies. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 131, 148-155.	1.9	14
28	Effect of Diets, Familial History, and Alternative Therapies on Genomic Instability of Breast Cancer Patients. <i>Applied Biochemistry and Biotechnology</i> , 2019, 188, 282-296.	1.4	5
29	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
30	Nanomaterials as a Novel Class of Anti-infective Agents that Attenuate Bacterial Quorum Sensing. , 2019, , 581-604.		2
31	Synthesis of eco-friendly copper nanoparticles for augmentation of catalytic degradation of organic dyes. <i>Journal of Molecular Liquids</i> , 2018, 260, 1-8.	2.3	123
32	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
33	Antimicrobial and anticancer activities of silver nanoparticles synthesized from the root hair extract of <i>Phoenix dactylifera</i> . <i>Materials Science and Engineering C</i> , 2018, 89, 429-443.	3.8	279
34	An overview on the current status of cancer nanomedicines. <i>Current Medical Research and Opinion</i> , 2018, 34, 911-921.	0.9	44
35	Sodium lauryl sarcosinate (sarkosyl) modulate amyloid fibril formation in hen egg white lysozyme (HEWL) at alkaline pH: a molecular insight study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 1550-1565.	2.0	15
36	Chemical Sensor Development and Antibacterial Activities Based on Polyaniline/Gemini Surfactants for Environmental Safety. <i>Journal of Polymers and the Environment</i> , 2018, 26, 1673-1684.	2.4	20

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37	Synthesis and electrochemical behaviour of polyvinyl chloride based Tin (IV) TungstoArsenate composite membrane for purification of aqueous contaminated electrolyte solutions. <i>Groundwater for Sustainable Development</i> , 2018, 7, 483-489.	2.3	2
38	Chemical Contaminants for Soil, Air and Aquatic Ecosystem. , 2018, , 1-22.		23
39	Modern Age Environmental Problems and their Remediation. , 2018, , .		18
40	Exosomes: A Paradigm in Drug Development against Cancer and Infectious Diseases. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-17.	1.5	12
41	Biofabrication of Zinc Oxide Nanoparticle from <i>Ochradenus baccatus</i> Leaves: Broad-Spectrum Antibiofilm Activity, Protein Binding Studies, and <i>In Vivo</i> Toxicity and Stress Studies. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-14.	1.5	38
42	Chemical sensing platform for the Zn ²⁺ ions based on poly(o-anisidine-co-methyl anthranilate) copolymer composites and their environmental remediation in real samples. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27899-27911.	2.7	17
43	Freshwater Shortage and Arrangement by Modern Technology. <i>Current World Environment Journal</i> , 2018, 13, 288-291.	0.2	1
44	Sensor development of 1,2 Dichlorobenzene based on polypyrrole/Cu-doped ZnO (PPY/CZO) nanocomposite embedded silver electrode and their antimicrobial studies. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 256-267.	3.6	47
45	Pollutant Decontamination from Water: Role of Nanocomposite Materials. , 2017, , 141-182.		3
46	Ensifer adhaerens for heavy metal bioaccumulation, biosorption, and phosphate solubilization under metal stress condition. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 540-552.	2.7	66
47	Characterization of multifarious plant growth promoting traits of rhizobacterial strain AR6 under Chromium (VI) stress. <i>Microbiological Research</i> , 2017, 204, 65-71.	2.5	67
48	PVC-supported SP composite membrane: its synthesis, physicochemical, and electrochemical characterization. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 3129-3137.	1.2	0
49	Degradation and conversion of endosulfan by newly isolated <i>Pseudomonas mendocina</i> ZAM1 strain. <i>3 Biotech</i> , 2017, 7, 211.	1.1	20
50	Fabrication of ZnO-ZnS@polyaniline nanohybrid for enhanced photocatalytic degradation of 2-chlorophenol and microbial contaminants in wastewater. <i>International Biodeterioration and Biodegradation</i> , 2017, 119, 66-77.	1.9	60
51	<i>Marinobacter lipolyticus</i> from Red Sea for lipase production and modulation of silver nanomaterials for anti-candidal activities. <i>IET Nanobiotechnology</i> , 2017, 11, 403-410.	1.9	35
52	Isolation and characterization of multi-potential <i>Rhizobium</i> strain ND2 and its plant growth-promoting activities under Cr(VI) stress. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 1058-1069.	1.3	32
53	Hybrid chitosan/polyaniline-polypyrrole biomaterial for enhanced adsorption and antimicrobial activity. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 488-496.	5.0	84
54	Antibacterial activity of iron oxide nanoparticles synthesized by co-precipitation technology against <i>Bacillus cereus</i> and <i>Klebsiella pneumoniae</i> . <i>Polish Journal of Chemical Technology</i> , 2017, 19, 110-115.	0.3	37

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55	Mobilization of Nuclear Copper by Green Tea Polyphenol Epicatechin-3-Gallate and Subsequent Prooxidant Breakage of Cellular DNA: Implications for Cancer Chemotherapy. <i>International Journal of Molecular Sciences</i> , 2017, 18, 34.	1.8	23
56	Obliteration of bacterial growth and biofilm through ROS generation by facilely synthesized green silver nanoparticles. <i>PLoS ONE</i> , 2017, 12, e0181363.	1.1	110
57	Current Trend in the Application of Nanoparticles for Waste Water Treatment and Purification: A Review. <i>Current Organic Synthesis</i> , 2017, 14, 206-226.	0.7	37
58	Microbiological Carbon Sequestration. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2017, , 108-133.	0.3	0
59	Heavy Metals: Biological Importance and Detoxification Strategies. <i>Journal of Bioremediation & Biodegradation</i> , 2016, 07, .	0.5	42
60	Cancer Therapy by Catechins Involves Redox Cycling of Copper Ions and Generation of Reactive Oxygen Species. <i>Toxins</i> , 2016, 8, 37.	1.5	73
61	Electron microscopic ultrastructural study on the toxicological effects of AgNPs on the liver, kidney and spleen tissues of albino mice. <i>Environmental Toxicology and Pharmacology</i> , 2016, 44, 30-43.	2.0	19
62	Lead sensors development and antimicrobial activities based on graphene oxide/carbon nanotube/poly(O-toluidine) nanocomposite. <i>International Journal of Biological Macromolecules</i> , 2016, 89, 198-205.	3.6	67
63	Cellulosimicrobium funkei-like enhances the growth of Phaseolus vulgaris by modulating oxidative damage under Chromium(VI) toxicity. <i>Journal of Advanced Research</i> , 2016, 7, 839-850.	4.4	104
64	Development of PANI/MWCNTs decorated with cobalt oxide nanoparticles towards multiple electrochemical, photocatalytic and biomedical application sites. <i>New Journal of Chemistry</i> , 2016, 40, 9448-9459.	1.4	58
65	Facile route to a conducting ternary polyaniline@TiO ₂ /GN nanocomposite for environmentally benign applications: photocatalytic degradation of pollutants and biological activity. <i>RSC Advances</i> , 2016, 6, 111308-111317.	1.7	45
66	Bacteria and fungi can contribute to nutrients bioavailability and aggregate formation in degraded soils. <i>Microbiological Research</i> , 2016, 183, 26-41.	2.5	534
67	Antibiotics and Heavy Metal Resistance Emergence in Water Borne Bacteria. <i>Journal of Investigative Genomics</i> , 2016, 3, .	0.2	6
68	Synthesis, spectroscopic studies of novel N-substituted phthalimides and evaluation of their antibacterial, antioxidant, DNA binding and molecular docking studies. <i>Bangladesh Journal of Pharmacology</i> , 2015, 10, 703.	0.1	12
69	Anti-microbial activity of cobalt doped zinc oxide nanoparticles: Targeting water borne bacteria. <i>Journal of Saudi Chemical Society</i> , 2015, 19, 581-588.	2.4	87
70	Mutants as a Genetic Resource for Future Crop Improvement. , 2015, , 95-112.		6
71	Physico-chemical stress induced amyloid formation in insulin: Amyloid characterization, cytotoxicity analysis against human neuroblastoma cell lines and its prevention using black seeds (Nigella sativa). <i>Chinese Journal of Integrative Medicine</i> , 2015, , 1.	0.7	4
72	Bio-electro degradation of azo-dye in a combined anaerobic-aerobic process along with energy recovery. <i>New Journal of Chemistry</i> , 2015, 39, 9461-9470.	1.4	47

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73	Synthesis, Physico-Chemical and Antimicrobial Studies of Ionic Liquid. Asian Journal of Chemistry, 2014, 26, 887-890.	0.1	3
74	Synthesis, characterization, antimicrobial activity and applications of polyanilineTi(IV)arsenophosphate adsorbent for the analysis of organic and inorganic pollutants. Journal of Hazardous Materials, 2014, 264, 481-489.	6.5	84
75	Chromium reducing and plant growth promoting novel strain Pseudomonas aeruginosa OSC41 enhance chickpea growth in chromium amended soils. European Journal of Soil Biology, 2013, 56, 72-83.	1.4	174
76	Biosorption of heavy metals by Bacillus thuringiensis strain OSM29 originating from industrial effluent contaminated north Indian soil. Saudi Journal of Biological Sciences, 2013, 20, 121-129.	1.8	221
77	Synthesis, Physicochemical Properties, and <i>in vitro</i> Antibacterial Screening of Palladium(II) Complexes Derived from Thiosemicarbazone. Chemistry and Biodiversity, 2013, 10, 1109-1119.	1.0	6
78	Functional Aspect of Phosphate-Solubilizing Bacteria: Importance in Crop Production. , 2013, , 237-263.		47
79	Antibacterial and Cytotoxic Efficacy of Extracellular Silver Nanoparticles Biofabricated from Chromium Reducing Novel OS4 Strain of Stenotrophomonas maltophilia. PLoS ONE, 2013, 8, e59140.	1.1	140
80	Antimicrobial activity of metal oxide nanoparticles against Gram-positive and Gram-negative bacteria: a comparative study. International Journal of Nanomedicine, 2012, 7, 6003.	3.3	1,030
81	Size-dependent antimicrobial properties of CuO nanoparticles against Gram-positive and -negative bacterial strains. International Journal of Nanomedicine, 2012, 7, 3527.	3.3	629
82	Soil Contamination, Nutritive Value, and Human Health Risk Assessment of Heavy Metals: An Overview. , 2012, , 1-27.		62
83	Heavy Metal Toxicity to Symbiotic Nitrogen-Fixing Microorganism and Host Legumes. , 2012, , 29-44.		36
84	Synthesis and characterization of polyanilineZr(IV)sulphosalicylate composite and its applications (1) electrical conductivity, and (2) antimicrobial activity studies. Chemical Engineering Journal, 2011, 173, 706-714.	6.6	67
85	Anagostic interactions, revisiting the crystal structure of nickel dithiocarbamate complex and its antibacterial and antifungal studies. Polyhedron, 2011, 30, 33-40.	1.0	53
86	Synthesis, characterization, spectrophotometric, structural and antimicrobial studies of the newly charge transfer complex of p-phenylenediamine with Fe^3+ acceptor picric acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 1059-1064.	2.0	33
87	Role of Phosphate-Solubilizing Bacteria in Legume Improvement. , 2010, , 273-292.		15
88	Role of Metal Tolerant Microbes in Legume Improvement. , 2010, , 337-352.		6
89	Plant growth promotion by phosphate solubilizing fungi – current perspective. Archives of Agronomy and Soil Science, 2010, 56, 73-98.	1.3	402
90	Plant growth promotion by phosphate solubilizing bacteria. Acta Microbiologica Et Immunologica Hungarica, 2009, 56, 263-284.	0.4	343

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91	Role of plant growth promoting rhizobacteria in the remediation of metal contaminated soils. Environmental Chemistry Letters, 2009, 7, 1-19.	8.3	474
92	Recent Advances in Plant Growth Promotion by Phosphate-Solubilizing Microbes. , 2009, , 23-50.		80
93	Functional Diversity Among Plant Growth-Promoting Rhizobacteria: Current Status. , 2009, , 105-132.		52
94	Factors Affecting the Variation of Microbial Communities in Different Agro-Ecosystems. , 2009, , 301-324.		10
95	Role of Plant Growth Promoting Rhizobacteria in the Remediation of Metal Contaminated Soils: A Review. Sustainable Agriculture Reviews, 2009, , 319-350.	0.6	10