

# Maddela Naga Raju

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

1,017  
citations

471371

17  
h-index

501076

28  
g-index

74  
all docs

74  
docs citations

74  
times ranked

1052  
citing authors

#	ARTICLE	IF	CITATIONS
1	Roles of quorum sensing in biological wastewater treatment: A critical review. <i>Chemosphere</i> , 2019, 221, 616-629.	4.2	128
2	Outlook on the bottleneck of carbon nanotube in desalination and membrane-based water treatment—A review. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103572.	3.3	63
3	Cocoa-laden cadmium threatens human health and cacao economy: A critical view. <i>Science of the Total Environment</i> , 2020, 720, 137645.	3.9	56
4	Removal of petroleum hydrocarbons from crude oil in solid and slurry phase by mixed soil microorganisms isolated from Ecuadorian oil fields. <i>International Biodeterioration and Biodegradation</i> , 2016, 108, 85-90.	1.9	53
5	Functional Determinants of Extracellular Polymeric Substances in Membrane Biofouling: Experimental Evidence from Pure-Cultured Sludge Bacteria. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	46
6	Study on isotherm, kinetics, and thermodynamics of adsorption of crystal violet dye by calcium oxide modified fly ash. <i>Environmental Engineering Research</i> , 2021, 26, .	1.5	40
7	Novel diesel-oil-degrading bacteria and fungi from the Ecuadorian Amazon rainforest. <i>Water Science and Technology</i> , 2015, 71, 1554-1561.	1.2	39
8	Total Petroleum Hydrocarbons. , 2020, , .		38
9	Organic farming: Does it contribute to contaminant-free produce and ensure food safety?. <i>Science of the Total Environment</i> , 2021, 769, 145079.	3.9	36
10	Biodegradation of Diesel, Crude Oil and Spent Lubricating Oil by Soil Isolates of <i>Bacillus</i> spp.. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 98, 698-705.	1.3	34
11	Microbial degradation of total petroleum hydrocarbons in crude oil: a field-scale study at the low-land rainforest of Ecuador. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 2543-2550.	1.2	33
12	Inevitable human exposure to emissions of polybrominated diphenyl ethers: A perspective on potential health risks. <i>Environmental Pollution</i> , 2020, 266, 115240.	3.7	31
13	Selective elimination of chromophoric and fluorescent dissolved organic matter in a full-scale municipal wastewater treatment plant. <i>Journal of Environmental Sciences</i> , 2017, 57, 150-161.	3.2	27
14	Co-inoculation of <i>Anabaena cylindrica</i> with <i>Azospirillum brasilense</i> increases grain yield of maize hybrids. <i>Rhizosphere</i> , 2020, 15, 100224.	1.4	26
15	Efficiency of Indigenous Filamentous Fungi for Biodegradation of Petroleum Hydrocarbons in Medium and Soil: Laboratory Study from Ecuador. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 95, 385-394.	1.3	24
16	Impact of Total Petroleum Hydrocarbons on Human Health. , 2020, , 139-165.		23
17	Major contaminants of emerging concern in soils: a perspective on potential health risks. <i>RSC Advances</i> , 2022, 12, 12396-12415.	1.7	23
18	Evaluation of various pesticides-degrading pure bacterial cultures isolated from pesticide-contaminated soils in Ecuador. <i>African Journal of Biotechnology</i> , 2016, 15, 2224-2233.	0.3	21

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19	Discrepant roles of a quorum quenching bacterium ( <i>Rhodococcus</i> sp. BH4) in growing dual-species biofilms. <i>Science of the Total Environment</i> , 2020, 713, 136402.	3.9	18
20	Tris(2-chloroethyl) phosphate, a pervasive flame retardant: critical perspective on its emissions into the environment and human toxicity. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 1809-1827.	1.7	16
21	Biosorption of Copper (II) by the Microorganisms Isolated from the Crude-Oil-Contaminated Soil. <i>Soil and Sediment Contamination</i> , 2015, 24, 898-908.	1.1	14
22	Advances in the Application of Nanocatalysts in Photocatalytic Processes for the Treatment of Food Dyes: A Review. <i>Sustainability</i> , 2021, 13, 11676.	1.6	14
23	Impact of sugar industry effluents on soil cellulase activity. <i>International Biodeterioration and Biodegradation</i> , 2009, 63, 1088-1092.	1.9	13
24	Fate of Total Petroleum Hydrocarbons in the Environment. , 2020, , 57-77.		13
25	Ecological Impacts of Total Petroleum Hydrocarbons. , 2020, , 95-138.		12
26	The presence of low fouling-causing bacteria can lead to decreased membrane fouling potentials of mixed cultures. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105131.	3.3	11
27	Occurrence and Roles of Comammox Bacteria in Water and Wastewater Treatment Systems: A Critical Review. <i>Engineering</i> , 2022, 17, 196-206.	3.2	11
28	Biodegradation of monocrotophos by bacteria isolated from soil. <i>African Journal of Biotechnology</i> , 2017, 16, 408-417.	0.3	10
29	Approaches for Remediation of Sites Contaminated with Total Petroleum Hydrocarbons. , 2020, , 167-205.		10
30	Exposure of Greengram Seeds ( <i>Vigna radiata</i> var. <i>radiata</i> ) to Static Magnetic Fields: Effects on Germination and $\alpha$ -amylase Activity. <i>Research Journal of Seed Science</i> , 2012, 5, 106-114.	0.3	10
31	Influence of the insecticides acetamiprid and carbofuran on arylamidase and myrosinase activities in the tropical black and red clay soils. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 388.	1.3	8
32	Soil Enzymes. <i>SpringerBriefs in Environmental Science</i> , 2017, , .	0.3	7
33	Soil Physicochemical Properties. <i>SpringerBriefs in Environmental Science</i> , 2017, , 5-10.	0.3	7
34	Petroleum Degradation: Promising Biotechnological Tools for Bioremediation. , 0, , .		7
35	An Overview of Total Petroleum Hydrocarbons. , 2020, , 1-27.		7
36	Effect of repeated applications of buprofezin and acephate on soil cellulases, amylase, and invertase. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 6319-6325.	1.3	6

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37	The effects of pesticides on morphology, viability, and germination of Blackberry ( <i>Rubus glaucus</i> ) Tj ETQq1 1 0.784314 rgBT /Overloc	1.1	6
38	Characterization of Some Efficient Cellulase Producing Bacteria Isolated from Pulp and Paper Mill Effluent Contaminated Soil. <i>Brazilian Archives of Biology and Technology</i> , 2017, 60, .	0.5	6
39	Insecticides~Soil Microbiota Interactions. , 2018, , .		6
40	Therapeutic Efficiency of spirulina against Lead Acetate Toxicity on the Fresh Water Fish <i>Labeo rohita</i> . <i>American Journal of Life Sciences</i> , 2014, 2, 389.	0.3	6
41	Evidence on antimicrobial activity of essential oils and herbal extracts against <i>Yersinia enterocolitica</i> - A review. <i>Food Bioscience</i> , 2022, 47, 101712.	2.0	6
42	Adverse Effect of Buprofezin and Acephate on Enzymatic Activities in NPK Amended and Unamended Cotton Soils. <i>Universal Journal of Microbiology Research</i> , 2013, 1, 36-42.	0.3	5
43	Microbial Bioremediation: A Cutting-Edge Technology for Xenobiotic Removal. <i>Environmental and Microbial Biotechnology</i> , 2021, , 417-453.	0.4	4
44	Methodologies for Analysis and Identification of Total Petroleum Hydrocarbons. , 2020, , 29-55.		4
45	Comparative study of native microorganisms isolated from watermelon ( <i>Citrullus lanatus</i> ) waste and commercial microorganism ( <i>Clostridium thermocellum</i> ) used for bioethanol production. <i>African Journal of Biotechnology</i> , 2017, 16, 380-387.	0.3	3
46	Novel Insights of Microbial Exopolysaccharides as Bio-adsorbents for the Removal of Heavy Metals from Soil and Wastewater. <i>Springer Series on Polymer and Composite Materials</i> , 2021, , 265-283.	0.5	3
47	Linkages between plant rhizosphere and animal gut environments: Interaction effects of pesticides with their microbiomes. <i>Environmental Advances</i> , 2021, 5, 100091.	2.2	3
48	Novel Application of Tagua Shell ( <i>Phytelephas aequatorialis</i> ) as Adsorbent Material for the Removal of Pb(II) Ions: Kinetics, Equilibrium, and Thermodynamics of the Process. <i>Sustainability</i> , 2022, 14, 1309.	1.6	3
49	Soil Enzymes: Indicators of Soil Pollution. , 2018, , 7-16.		2
50	Agronomic evaluation and web blight resilience of common bean genotypes in the littoral region of Ecuador. <i>African Journal of Biotechnology</i> , 2018, 17, 328-336.	0.3	2
51	Regulatory Guidelines for Total Petroleum Hydrocarbon Contamination. , 2020, , 207-224.		2
52	Quorum Quenching for Sustainable Environment: Biology, Mechanisms, and Applications. <i>Microorganisms for Sustainability</i> , 2020, , 73-112.	0.4	2
53	Effects of filtration modes on fouling characteristic and microbial community of bio-cake in a membrane bioreactor. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107465.	3.3	2
54	Biological Activities of <i>Zingiber officinale</i> Roscoe Essential Oil against <i>Fusarium</i> spp.: A Minireview of a Promising Tool for Biocontrol. <i>Agronomy</i> , 2022, 12, 1168.	1.3	2

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55	Bacterial Utilization of Acephate and Buprofezin. , 2018, , 87-101.		1
56	Recent trends in bioremediation of pollutants by enzymatic approaches. , 2022, , 115-134.		1
57	Capsicum hypocotyls mycobiome diversity is unaffected by Phytophthora capsici inoculation. Physiological and Molecular Plant Pathology, 2022, 118, 101801.	1.3	1
58	Oral Biofilm of Hospitalized Patients. , 2022, , 97-119.		1
59	Soil Incubation Studies. SpringerBriefs in Environmental Science, 2017, , 17-17.	0.3	0
60	Selected Soils, Insecticides and Soil Enzymes. , 2018, , 17-31.		0
61	Recent Advances in Microbial Remediation Techniques for Xenobiotics-Polluted Soil. Microorganisms for Sustainability, 2021, , 259-294.	0.4	0
62	Biotechnology: An Editorial Overview. , 2021, , 3-16.		0
63	Biotechnology of Twenty-First Century. , 2021, , 17-42.		0
64	Transcription factors and molecular markers revealed asymmetric contributions between allotetraploid Upland cotton and its two diploid ancestors. Bragantia, 2020, 79, 30-46.	1.3	0