

# Tejo Prakash Nagaraja

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

1,192  
citations

430754

18  
h-index

414303

32  
g-index

71  
all docs

71  
docs citations

71  
times ranked

1484  
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in Selenium Speciation Associated with Increasing Tissue Concentrations of Selenium in Wheat Grain. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2295-2301.	2.4	122
2	Selenium bioaccessibility and speciation in biofortified <i>Pleurotus</i> mushrooms grown on selenium-rich agricultural residues. <i>Food Chemistry</i> , 2013, 140, 225-230.	4.2	106
3	Modulations in antioxidant enzymes in different tissues of marine bivalve <i>Perna viridis</i> during heavy metal exposure. <i>Molecular and Cellular Biochemistry</i> , 1995, 146, 107-113.	1.4	64
4	Improved degradation of methyl orange dye using bio-co-catalyst Se nanoparticles impregnated ZnS photocatalyst under UV irradiation. <i>Chemical Engineering Journal</i> , 2016, 306, 1041-1048.	6.6	58
5	Aerobic microbial manufacture of nanoscale selenium: exploiting nature's bio-nanomineralization potential. <i>Biotechnology Letters</i> , 2009, 31, 1857-1862.	1.1	54
6	Generation of Selenium Containing Nano-Structures By Soil Bacterium, <i>Pseudomonas aeruginosa</i> . <i>Biotechnology</i> , 2008, 7, 299-304.	0.5	54
7	Profile of selenium in soil and crops in seleniferous area of Punjab, India by neutron activation analysis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009, 281, 59-62.	0.7	53
8	Identification of selenosugars and other low-molecular weight selenium metabolites in high-selenium cereal crops. <i>Metallomics</i> , 2012, 4, 968.	1.0	51
9	An efficient TiO <sub>2</sub> coated immobilized system for the degradation studies of herbicide isoproturon: Durability studies. <i>Chemosphere</i> , 2014, 109, 7-13.	4.2	48
10	Applicability of Microbial Xylanases in Paper Pulp Bleaching: A Review. <i>BioResources</i> , 2014, 9, .	0.5	44
11	Gut Microbiota as a Mediator of Essential and Toxic Effects of Zinc in the Intestines and Other Tissues. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13074.	1.8	32
12	<sup>1</sup> H NMR assisted quantification of glycerol carbonate in the mixture of glycerol and glycerol carbonate. <i>Talanta</i> , 2018, 178, 1001-1005.	2.9	30
13	Photocatalytic degradation of herbicide isoproturon in TiO <sub>2</sub> Aqueous Suspensions: Study of Reaction Intermediates and Degradation Pathways. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 402-409.	1.3	23
14	Biosequestration, Transformation, and Volatilization of Mercury by <i>Lysinibacillus fusiformis</i> Isolated from Industrial Effluent. <i>Journal of Microbiology and Biotechnology</i> , 2012, 22, 684-689.	0.9	23
15	Bioaccessibility of selenium from Se-rich food grains of the seleniferous region of Punjab, India as analyzed by instrumental neutron activation analysis. <i>CYTA - Journal of Food</i> , 2012, 10, 160-164.	0.9	22
16	Imbalance of dietary nutrients and the associated differentially expressed genes and pathways may play important roles in juvenile Kashin-Beck disease. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 441-460.	1.5	22
17	Comparative studies on TiO <sub>2</sub> /ZnO photocatalyzed degradation of 4-chlorocatechol and bleach mill effluents. <i>Desalination and Water Treatment</i> , 2012, 46, 196-204.	1.0	21
18	Enhanced antioxidant properties as a function of selenium uptake by edible mushrooms cultivated on selenium-accumulated waste post-harvest wheat and paddy residues. <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2014, 3, 127-132.	2.0	21

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19	Optimization of medium and process parameters for the production of lipase from an oil-tolerant <i>Aspergillus</i> sp. (RBD-01). Journal of Basic Microbiology, 2010, 50, 37-42.	1.8	19
20	Selenium content in seed, oil and oil cake of Se hyperaccumulated Brassica juncea (Indian mustard) cultivated in a seleniferous region of India. Food Chemistry, 2012, 134, 401-404.	4.2	19
21	Selenium-rich mushrooms cultivation on a wheat straw substrate from seleniferous area in Punjab, India. Journal of Trace Elements in Medicine and Biology, 2018, 50, 362-366.	1.5	17
22	Selenium supplementation through Se-rich dietary matrices can upregulate the anti-inflammatory responses in lipopolysaccharide-stimulated murine macrophages. Food and Agricultural Immunology, 2017, 28, 1374-1392.	0.7	15
23	Response surface statistical optimization of fermentation parameters for resveratrol production by the endophytic fungus <i>Arcopilus aureus</i> and its tyrosinase inhibitory activity. Biotechnology Letters, 2021, 43, 627-644.	1.1	15
24	Characterisation of Phosphate Solubilising Bacteria in Sandy Loam Soil Under Chickpea Cropping System. Indian Journal of Microbiology, 2012, 52, 167-173.	1.5	14
25	Synergistic effect of selenium and UV-B radiation in enhancing antioxidant level of wheatgrass grown from selenium rich wheat. Journal of Food Biochemistry, 2018, 42, e12577.	1.2	14
26	Selenium uptake and associated anti-oxidant properties in <i>Pleurotus fossulatus</i> cultivated on wheat straw from seleniferous fields. Acta Alimentaria, 2014, 43, 280-287.	0.3	12
27	Quantification and In Vitro Bioaccessibility of Selenium from Osborne Fractions of Selenium-Rich Cereal Grains. Cereal Chemistry, 2016, 93, 339-343.	1.1	12
28	Selenium Mobilization by <i>Pseudomonas aeruginosa</i> (SNT-SG1) Isolated from Seleniferous Soils from India. Geomicrobiology Journal, 2010, 27, 35-42.	1.0	11
29	New Proton Nuclear Magnetic Resonance-Based Derivation for Quantification of Alkyl Esters Generated Using Biocatalysis. Energy & Fuels, 2013, 27, 2660-2664.	2.5	11
30	Biosequestration of lead using Bacillus strains isolated from seleniferous soils and sediments of Punjab. Environmental Science and Pollution Research, 2014, 21, 10186-10193.	2.7	11
31	Transesterification of used edible and non-edible oils to alkyl esters by <i>Aspergillus</i> sp. as a whole cell catalyst. Journal of Basic Microbiology, 2011, 51, 607-613.	1.8	10
32	Studies on coupled biological and photochemical treatment of soda pulp bleaching effluents from agro residue based pulp and paper mill. Journal of Chemical Technology and Biotechnology, 2011, 86, 1508-1513.	1.6	10
33	The Level of Toxic Elements in Edible Crops from Seleniferous Area (Punjab, India). Biological Trace Element Research, 2018, 184, 523-528.	1.9	10
34	Coupling of solar-assisted advanced oxidative and biological treatment for degradation of agro-residue-based soda bleaching effluent. Environmental Science and Pollution Research, 2012, 19, 3906-3913.	2.7	9
35	Selenium Uptake by Edible Oyster Mushrooms ( <i>Pleurotus</i> sp.) from Selenium-Hyperaccumulated Wheat Straw. Journal of Nutritional Science and Vitaminology, 2013, 59, 69-72.	0.2	9
36	Initial Step of Selenite Reduction via Thioredoxin for Bacterial Selenoprotein Biosynthesis. International Journal of Molecular Sciences, 2021, 22, 10965.	1.8	9

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37	Role of Selenium-Tolerant Fungi on Plant Growth Promotion and Selenium Accumulation of Maize Plants Grown in Seleniferous Soils. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	1.1	9
38	Removal of Selenium from Se Enriched Natural Soils by a Consortium of Bacillus Isolates. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2010, 85, 214-218.	1.3	8
39	Influence of acyl acceptor blends on the ester yield and fuel properties of biodiesel generated by whole-cell catalysis of cottonseed oil. <i>Fuel</i> , 2020, 259, 116258.	3.4	8
40	Selenium-rich maize modulates the expression of prostaglandin genes in lipopolysaccharide-stimulated RAW264.7 macrophages. <i>Food and Function</i> , 2019, 10, 2839-2846.	2.1	7
41	Integrating genome-wide association study summaries and element-gene interaction datasets identified multiple associations between elements and complex diseases. <i>Genetic Epidemiology</i> , 2018, 42, 168-173.	0.6	6
42	An Asymmetric Synthesis of ((3 <i>R</i> ,6 <i>R</i> )-6-Methylpiperidine-3-yl)methanol; A Piperidine Core Unit of Potent Dual Orexin Receptor Antagonist MK-096. <i>ChemistrySelect</i> , 2018, 3, 105-107.	0.7	6
43	Fuel properties of blend and biodiesel generated from acid oil using whole cell biocatalyst. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 148-154.	1.2	6
44	Biosynthesized monodispersed spherical Se co-catalyst nanoparticles impregnated over ZnO for 4-chloroguaiacol degradation under solar irradiations. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104892.	3.3	6
45	Bioaccessible selenium sourced from Se-rich mustard cake facilitates protection from TBHP induced cytotoxicity in melanoma cells. <i>Food and Function</i> , 2018, 9, 1998-2004.	2.1	5
46	Enhanced Anti-oxidant Activity as a Function of Selenium hyperaccumulation in <i>Agaricus bisporus</i> Cultivated on Se-rich Agri-residues. <i>Journal of Biologically Active Products From Nature</i> , 2014, 4, 354-364.	0.1	4
47	<sup>1</sup> H NMR Based Quantification of Ethyl Ester in Biodiesel: A Comparative Study of Product-Dependent Derivations. <i>Analytical Chemistry Letters</i> , 2016, 6, 518-525.	0.4	4
48	Selenium and Other Elements in Wheat ( <i>Triticum aestivum</i> ) and Wheat Bread from a Seleniferous Area. <i>Biological Trace Element Research</i> , 2019, 192, 10-17.	1.9	4
49	An Eco-Friendly Approach: Incorporating a Xylanase Stage at Various Places in ECF and Chlorine-based Bleaching of Eucalyptus Pulp. <i>BioResources</i> , 2016, 11, .	0.5	4
50	SELENIUM FORTIFICATION AND PRO/ANTI OXIDANT RESPONSES IN ALLIUM CEPA (ONION) CULTIVATED IN Se SUPPLEMENTED SOILS. <i>Experimental Agriculture</i> , 2010, 46, 531-540.	0.4	3
51	Effect of frying time on free fatty acid generation and esterification rate in <i>Aspergillus</i> sp.-catalyzed transesterification of cottonseed oil. <i>Biocatalysis and Biotransformation</i> , 2010, 28, 403-407.	1.1	3
52	Whole cell catalyzed esterification of fatty acids to biodiesel using <i>Aspergillus</i> sp.. <i>Biocatalysis and Biotransformation</i> , 2011, 29, 354-358.	1.1	3
53	Fungus-mediated generation of ethyl ester using acid oil as substrate. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1840-1846.	1.3	3
54	Biocatalyzed esterification of oleic acid using cell suspension and dried biomass of <i>Aspergillus</i> sp. RBD01. <i>Biocatalysis and Biotransformation</i> , 2017, 35, 127-130.	1.1	3

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55	Concentrating and Nonconcentrating Slurry and Fixed-Bed Solar Reactors for the Degradation of Herbicide Isoproturon. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2018, 140, .	1.1	3
56	Enantioselective total syntheses of (âˆ”) -clavaminol A and deacetyl (+) -clavaminol H. <i>Synthetic Communications</i> , 2018, 48, 2280-2287.	1.1	3
57	Profiling of selenium and other trace elements in breads from rice and maize cultivated in a seleniferous area of Punjab (India). <i>Journal of Food Science and Technology</i> , 2021, 58, 825-833.	1.4	3
58	Proton Nuclear Magnetic Resonanceâ€Based Method for the Quantification of Epoxidized Methyl Oleate. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2021, 98, 139-147.	0.8	3
59	Lab-scale production of biodiesel from soybean acid oil using immobilized whole cells as catalyst. <i>Biocatalysis and Biotransformation</i> , 2021, 39, 443-454.	1.1	3
60	Emulsification and Hydrolysis of Oil by <i>Syncephalastrum racemosum</i> . <i>Defence Science Journal</i> , 2010, 60, 251-254.	0.5	3
61	Effect of feedstocks and chain length of alcohols on whole-cell-catalyzed generation of alkyl esters. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 2612-2619.	1.2	2
62	Assessing the Realization of Global Land Restoration: A Meta-analysis. <i>Anthropocene Science</i> , 2022, 1, 179-194.	1.6	2
63	A Short and Efficient Enantioselective Synthesis of (+)â€{2 S ,3 S ,5 S }â€-epi â€Muscarine. <i>ChemistrySelect</i> , 2020, 5, 6373-6375.	0.7	1
64	Complete Genome Sequence of <i>Pseudomonas stutzeri</i> Strain F2a, Isolated from Seleniferous Soil. <i>Microbiology Resource Announcements</i> , 2021, 10, e0063121.	0.3	1
65	Correlation of Serum Selenium in Asthma Patients with Severity of the Disorder. <i>Biological Trace Element Research</i> , 2022, 200, 4949-4954.	1.9	1
66	Comparative Analysis on the Effect of <i>Plantago</i> Species Aqueous Extracts on Tissue Trace Element Content in Rats. <i>Biological Trace Element Research</i> , 2017, 179, 79-90.	1.9	0
67	Oxidative degradation of aliphatic carboxylic acids by photocatalysis with bare and Ag-loaded TiO <sub>2</sub> under UV light irradiation. <i>Particulate Science and Technology</i> , 2018, 36, 212-216.	1.1	0
68	Enantioselective Total Synthesis of Sacubitril. <i>ChemistrySelect</i> , 2021, 6, 8928-8930.	0.7	0
69	Transesterification of Triglycerides by Dried Biomass of <i>Aspergillus</i> sp.. <i>Journal of Oleo Science</i> , 2013, 62, 297-303.	0.6	0
70	Questioning Conventional Wisdom Regarding the Most Suitable Sequence of Enzyme Usage in Pulp Bleaching. <i>BioResources</i> , 2015, 11, .	0.5	0