

S A Mohamed

List of Publications by Citations

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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.

92
papers

1,577
citations

25
h-index

32
g-index

96
ext. papers

2,007
ext. citations

3.9
avg, IF

5.1
L-index

#	Paper	IF	Citations
92	Immobilization of horseradish peroxidase on Fe ₃ O ₄ magnetic nanoparticles. <i>Electronic Journal of Biotechnology</i> , 2017 , 27, 84-90	3.1	75
91	Antioxidant capacity, antioxidant compounds and antioxidant enzyme activities in five date cultivars during development and ripening. <i>Scientia Horticulturae</i> , 2011 , 129, 688-693	4.1	48
90	Effect of atorvastatin on the gut microbiota of high fat diet-induced hypercholesterolemic rats. <i>Scientific Reports</i> , 2018 , 8, 662	4.9	46
89	Solid fermentation of wheat bran for hydrolytic enzymes production and saccharification content by a local isolate <i>Bacillus megatherium</i> . <i>BMC Biotechnology</i> , 2014 , 14, 29	3.5	44
88	Horseradish peroxidase and chitosan: activation, immobilization and comparative results. <i>International Journal of Biological Macromolecules</i> , 2013 , 60, 295-300	7.9	42
87	Biochemical characterization of an extracellular polygalacturonase from <i>Trichoderma harzianum</i> . <i>Journal of Biotechnology</i> , 2006 , 127, 54-64	3.7	39
86	Immobilization of horseradish peroxidase on nonwoven polyester fabric coated with chitosan. <i>Applied Biochemistry and Biotechnology</i> , 2008 , 144, 169-79	3.2	37
85	New polygalacturonases from <i>Trichoderma reesei</i> : characterization and their specificities to partially methylated and acetylated pectins. <i>Carbohydrate Research</i> , 2003 , 338, 515-24	2.9	37
84	Antioxidant capacity of chewing stick miswak <i>Salvadora persica</i> . <i>BMC Complementary and Alternative Medicine</i> , 2013 , 13, 40	4.7	36
83	Immobilization of horseradish peroxidase on activated wool. <i>Process Biochemistry</i> , 2013 , 48, 649-655	4.8	35
82	Immobilization of horseradish peroxidase on amidoximated acrylic polymer activated by cyanuric chloride. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 663-70	7.9	33
81	Synthesis of nanocomposites of polypyrrole/carbon nanotubes/silver nano particles and their application in water disinfection. <i>RSC Advances</i> , 2017 , 7, 16878-16884	3.7	32
80	Saccharification and hydrolytic enzyme production of alkali pre-treated wheat bran by <i>Trichoderma virens</i> under solid state fermentation. <i>BMC Biotechnology</i> , 2015 , 15, 37	3.5	32
79	Antioxidant activity, antioxidant compounds, antioxidant and hydrolytic enzymes activities of <i>Barhee</i> dates at harvest and during storage as affected by pre-harvest spray of some growth regulators. <i>Scientia Horticulturae</i> , 2014 , 167, 91-99	4.1	32
78	Characterisation of an anionic peroxidase from horseradish cv. Balady. <i>Food Chemistry</i> , 2011 , 128, 725-730	3.5	32
77	Postharvest gum Arabic and salicylic acid dipping affect quality and biochemical changes of Grand Nain Bananas during shelf life. <i>Scientia Horticulturae</i> , 2018 , 237, 51-58	4.1	31
76	Characterization of a cysteine protease from wheat <i>Triticum aestivum</i> (cv. Giza 164). <i>Bioresource Technology</i> , 2004 , 91, 297-304	11	30

75	Solid state production of polygalacturonase and xylanase by <i>Trichoderma</i> species using cantaloupe and watermelon rinds. <i>Journal of Microbiology</i> , 2013 , 51, 605-11	3	29
74	Immobilization of horseradish peroxidase on PMMA nanofibers incorporated with nanodiamond. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, S973-S981	6.1	29
73	Distribution of lipases in the Gramineae. Partial purification and characterization of esterase from <i>Avena fatua</i> . <i>Bioresource Technology</i> , 2000 , 73, 227-234	11	28
72	Amidrazone modified acrylic fabric activated with cyanuric chloride: A novel and efficient support for horseradish peroxidase immobilization and phenol removal. <i>International Journal of Biological Macromolecules</i> , 2019 , 140, 949-958	7.9	27
71	Development of novel flexible sugar ester vesicles as carrier systems for the antioxidant enzyme catalase for wound healing applications. <i>Process Biochemistry</i> , 2012 , 47, 1155-1162	4.8	27
70	Quality, antioxidant compounds, antioxidant capacity and enzymes activity of El-Bayadi table grapes at harvest as affected by preharvest salicylic acid and gibberellic acid spray. <i>Scientia Horticulturae</i> , 2017 , 220, 243-249	4.1	26
69	Properties of a cationic peroxidase from <i>Citrus jambhiri</i> cv. Adalia. <i>Applied Biochemistry and Biotechnology</i> , 2008 , 150, 127-37	3.2	26
68	Total phenolic and flavonoid contents and antioxidant activities of sixteen commercial date cultivars grown in Saudi Arabia. <i>RSC Advances</i> , 2016 , 6, 44814-44819	3.7	26
67	Immobilization of <i>Trichoderma harzianum</i> α -amylase on treated wool: optimization and characterization. <i>Molecules</i> , 2014 , 19, 8027-38	4.8	25
66	<i>Ficus carica</i> , <i>Ficus sycomorus</i> and <i>Euphorbia tirucalli</i> latex extracts: Phytochemical screening, antioxidant and cytotoxic properties. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019 , 20, 101199	4.2	24
65	Immobilization of <i>Trichoderma harzianum</i> α -amylase on PPyAgNp/FeO-nanocomposite: chemical and physical properties. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 201-206	6.1	24
64	Date palm and saw palmetto seeds functional properties: antioxidant, anti-inflammatory and antimicrobial activities. <i>Journal of Food Measurement and Characterization</i> , 2020 , 14, 1064-1072	2.8	24
63	Characterization of esterases from <i>Cucurbita pepo</i> cv. "Eskandrani". <i>Bioresource Technology</i> , 2008 , 99, 437-43	11	22
62	Immobilisation of α -amylase on activated amidrazone acrylic fabric: a new approach for the enhancement of enzyme stability and reusability. <i>Scientific Reports</i> , 2019 , 9, 12672	4.9	21
61	Biochemical Changes in Fruit of an Early and a Late Date Palm Cultivar During Development and Ripening. <i>International Journal of Fruit Science</i> , 2011 , 11, 167-183	1.2	21
60	Optimization of nano spray drying parameters for production of α -amylase nanopowder for biotherapeutic applications using factorial design. <i>Drying Technology</i> , 2019 , 37, 2152-2160	2.6	20
59	Changes of antioxidant capacity and oxidoreductases of Saudi date cultivars (<i>Phoenix dactylifera</i> L.) during storage. <i>Scientia Horticulturae</i> , 2014 , 170, 275-280	4.1	20
58	Postharvest chitosan, gallic acid and chitosan gallate treatments effects on shelf life quality, antioxidant compounds, free radical scavenging capacity and enzymes activities of 'Sukkari' bananas. <i>Journal of Food Science and Technology</i> , 2017 , 54, 447-457	3.3	18

57	Visible light photocatalytic disintegration of waste activated sludge for enhancing biogas production. <i>Journal of Environmental Management</i> , 2018 , 216, 120-127	7.9	18
56	Phenolic-antioxidant capacity of mango seed kernels: therapeutic effect against viper venoms. <i>Revista Brasileira De Farmacognosia</i> , 2018 , 28, 594-601	2	18
55	Characterization of <i>Mucor racemosus</i> lipase with potential application for the treatment of cellulite. <i>Process Biochemistry</i> , 2011 , 46, 642-648	4.8	18
54	Efficient water disinfection using hybrid polyaniline/graphene/carbon nanotube nanocomposites. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 2813-2824	2.6	18
53	Comparison of the potential of <i>Ficus sycomorus</i> latex and horseradish peroxidases in the decolorization of synthetic and natural dyes. <i>Journal of Genetic Engineering and Biotechnology</i> , 2013 , 11, 95-102	3.1	16
52	Biochemical properties of alpha-amylase from peel of <i>Citrus sinensis</i> cv. Abosora. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 160, 2054-65	3.2	16
51	Chemical modification of curcumin: Solubility and antioxidant capacity. <i>International Journal of Food Properties</i> , 2017 , 20, 718-724	3	15
50	Characterization of two thermostable inulinases from NRRL 2710. <i>Journal of Genetic Engineering and Biotechnology</i> , 2015 , 13, 65-69	3.1	15
49	Proteases in egg, miracidium and adult of <i>Fasciola gigantica</i> . Characterization of serine and cysteine proteases from adult. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005 , 142, 192-200	2.3	15
48	Development of novel delivery system for nanoencapsulation of catalase: formulation, characterization, and in vivo evaluation using oxidative skin injury model. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 362-371	6.1	14
47	Isolation and identification of bacterial consortia responsible for degrading oil spills from the coastal area of Yanbu, Saudi Arabia. <i>Biotechnology and Biotechnological Equipment</i> , 2016 , 30, 69-74	1.6	14
46	Characterization of native fungi responsible for degrading crude oil from the coastal area of Yanbu, Saudi Arabia. <i>Biotechnology and Biotechnological Equipment</i> , 2017 , 31, 105-111	1.6	14
45	Urea cycle of <i>Fasciola gigantica</i> : purification and characterization of arginase. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005 , 142, 308-16	2.3	14
44	Nanoparticles in nanomedicine: a comprehensive updated review on current status, challenges and emerging opportunities. <i>Journal of Microencapsulation</i> , 2021 , 38, 414-436	3.4	14
43	Postharvest trans-resveratrol and glycine betaine treatments affect quality, antioxidant capacity, antioxidant compounds and enzymes activities of El-Bayadi table grapes after storage and shelf life. <i>Scientia Horticulturae</i> , 2015 , 197, 350-356	4.1	13
42	Solid-state fermentation by <i>Trichoderma viride</i> for enhancing phenolic content, antioxidant and antimicrobial activities in ginger. <i>Letters in Applied Microbiology</i> , 2018 , 67, 161-167	2.9	13
41	Valorization of biogas production through disintegration of waste activated sludge using visible light ZnO-ZnS/Ag ₂ O-Ag ₂ S photocatalyst. <i>Chemical Engineering Research and Design</i> , 2018 , 119, 330-339	5.5	13
40	Impact of germination on antioxidant capacity of garden cress: New calculation for determination of total antioxidant activity. <i>Scientia Horticulturae</i> , 2019 , 246, 155-160	4.1	13

39	Upgrading the phenolic content, antioxidant and antimicrobial activities of garden cress seeds using solid-state fermentation by <i>Trichoderma reesei</i> . <i>Journal of Applied Microbiology</i> , 2019 , 127, 1454-1467	4.7	12
38	Purification and Characterization of Asparaginase from <i>Phaseolus vulgaris</i> Seeds. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015 , 2015, 309214	2.3	12
37	Investigation of antioxidant and detoxifying capacities of some date cultivars (<i>Phoenix dactylifera</i> L.) irrigated with sewage water. <i>RSC Advances</i> , 2017 , 7, 12953-12958	3.7	11
36	Characterization of an exopolygalacturonase from <i>Aspergillus niger</i> . <i>Applied Biochemistry and Biotechnology</i> , 2008 , 149, 205-17	3.2	11
35	Quality and biochemical changes of 'Hindi-Besennara' mangoes during shelf life as affected by chitosan, gallic acid and chitosan gallate. <i>Journal of Food Science and Technology</i> , 2017 , 54, 4139-4148	3.3	9
34	Immobilization of horseradish peroxidase on cationic microporous starch: Physico-bio-chemical characterization and removal of phenolic compounds. <i>International Journal of Biological Macromolecules</i> , 2021 , 181, 734-742	7.9	9
33	Influence of solid state fermentation by <i>Trichoderma</i> spp. on solubility, phenolic content, antioxidant, and antimicrobial activities of commercial turmeric. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016 , 80, 920-8	2.1	9
32	Purification and characterization of α -Amylase from Miswak <i>Salvadora persica</i> . <i>BMC Complementary and Alternative Medicine</i> , 2014 , 14, 119	4.7	8
31	Carbohydrases in camel (<i>Camelus dromedarius</i>) pancreas. Purification and characterization of glucoamylase. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005 , 140, 73-80	2.3	8
30	latex: An efficient alternative Egyptian source for horseradish peroxidase in labeling with antibodies for immunodiagnostic kits. <i>Veterinary World</i> , 2018 , 11, 1364-1370	1.7	8
29	Postharvest chitosan , trans -resveratrol and glycine betaine dipping affect quality, antioxidant compounds, free radical scavenging capacity and enzymes activities of Bukkaribananas during shelf life. <i>Scientia Horticulturae</i> , 2017 , 219, 173-181	4.1	7
28	Synthesis of hemicyanine-based chitosan ligands in dye-affinity chromatography for the purification of chewing stick peroxidase. <i>International Journal of Biological Macromolecules</i> , 2020 , 148, 401-414	7.9	7
27	α -Amylase from developing embryos of the camel tick <i>Hyalomma dromedarii</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2000 , 126, 99-108	2.3	7
26	Purification of urease from water melon seeds for clinical diagnostic kits. <i>Bioresource Technology</i> , 1999 , 68, 215-223	11	7
25	L-Asparaginase Isolated from <i>Phaseolus vulgaris</i> Seeds Exhibited Potent Anti-Acute Lymphoblastic Leukemia Effects In-Vitro and Low Immunogenic Properties In-Vivo. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13,	4.6	7
24	Purification and characterization of cationic peroxidase from ginger (<i>Zingiber officinale</i>). <i>Bulletin of the National Research Centre</i> , 2020 , 44,	3	6
23	Engineering Lipase Enzyme Nano-powder Using Nano Spray Dryer BÜHI B-90: Experimental and Factorial Design Approach for a Stable Biocatalyst Production. <i>Journal of Pharmaceutical Innovation</i> , 2020 , 1	1.8	6
22	Purification and characterization of peroxidases from garden cress sprouts and their roles in lignification and removal of phenol and p-chlorophenol. <i>Journal of Food Biochemistry</i> , 2021 , 45, e13526	3.3	6

21	Esterase and lipase in camel tick <i>Hyalomma dromedarii</i> (Acari: Ixodidae) during embryogenesis. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2004 , 137, 159-68	2.3	5
20	Egyptian chia seeds (L.) during germination: Upgrading of phenolic profile, antioxidant, antibacterial properties and relevant enzymes activities. <i>Food Science and Biotechnology</i> , 2021 , 30, 723-734	3.4	5
19	Enzymes of delta 1-pyrroline-5-carboxylate metabolism in the camel tick <i>Hyalomma dromedarii</i> during embryogenesis. Purification and characterization of delta 1-pyrroline-5-carboxylate dehydrogenases. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1997 , 118, 229-37	2.3	4
18	<i>Fasciola gigantica</i> : enzymes of the ornithine-proline-glutamate pathway--characterization of delta1-pyrroline-5-carboxylate dehydrogenase. <i>Experimental Parasitology</i> , 2008 , 118, 47-53	2.1	4
17	Disaccharidase activities in camel small intestine: biochemical investigations of maltase-glucoamylase activity. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2007 , 146, 124-30	2.3	4
16	Hyaluronidase isoforms from developing embryos of the camel tick <i>Hyalomma dromedarii</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005 , 142, 164-71	2.3	4
15	Diabetic complications and oxidative stress: The role of phenolic-rich extracts of saw palmetto and date palm seeds. <i>Journal of Food Biochemistry</i> , 2020 , 44, e13416	3.3	4
14	Heavy Metal Accumulation is Associated with Molecular and Pathological Perturbations in Liver of <i>Variola louti</i> from the Jeddah Coast of Red Sea. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13,	4.6	4
13	Developmental changes in phenolic compounds, antioxidant capacity and enzymes activity in skin of El-Bayadi table grapes. <i>Scientia Horticulturae</i> , 2017 , 224, 219-225	4.1	3
12	The Tiny Big World of Solid Lipid Nanoparticles and Nanostructured Lipid Carriers: An Updated Review.. <i>Journal of Microencapsulation</i> , 2021 , 1-42	3.4	3
11	<i>Ficus sycomorus</i> latex: A thermostable peroxidase. <i>African Journal of Biotechnology</i> , 2011 , 10,	0.6	3
10	Immobilization of Camel Liver Catalase on Nanosilver-Coated Cotton Fabric. <i>Catalysts</i> , 2021 , 11, 900	4	3
9	Impact of solid state fermentation by <i>Trichoderma</i> spp. on phenolic content, antioxidant and antibacterial activities of curry leaf powder. <i>Journal of Food Measurement and Characterization</i> , 2019 , 13, 1333-1340	2.8	2
8	Purification and characterization of deoxyribonuclease from small intestine of camel. <i>Journal of Genetic Engineering and Biotechnology</i> , 2017 , 15, 463-467	3.1	2
7	Biotechnology approach using watermelon rind for optimization of α -amylase enzyme production from <i>Trichoderma virens</i> using response surface methodology under solid-state fermentation. <i>Folia Microbiologica</i> , 2021 , 67, 253	2.8	2
6	Properties of peroxidase from chewing stick miswak. <i>African Journal of Pharmacy and Pharmacology</i> , 2012 , 6,	0.5	2
5	A hemorrhagic metalloprotease of Egyptian <i>Cerastes vipera</i> venom: Biochemical and immunological properties. <i>International Journal of Biological Macromolecules</i> , 2019 , 130, 695-704	7.9	1
4	Improvement of enzymatic properties and decolorization of azo dye: immobilization of horseradish peroxidase on cationic maize starch. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021 , 38, 102208	4.2	1

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| 3 | Antioxidant-biocompatible and stable catalase-based gelatin-alginate hydrogel scaffold with thermal wound healing capability: immobilization and delivery approach.. <i>3 Biotech</i> , 2022 , 12, 73 | 2.8 | 0 |
| 2 | Purification and characterization of proline-rich proteins from developing embryos of the camel tick <i>Hyalomma dromedarii</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1998 , 121, 279-290 | 2.3 | |
| 1 | The role of bacterial symbionts in suppressing the defence reaction in larval hemolymph of the cotton leafworm <i>Spodoptera littoralis</i> (Biosd.). <i>Archives of Phytopathology and Plant Protection</i> , 2007 , 40, 423-430 | 1 | |