

Saqer Al-Otaibi

List of Publications by Year in descending order

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73
papers

980
citations

623574

14
h-index

552653

26
g-index

75
all docs

75
docs citations

75
times ranked

924
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased SBPase activity improves photosynthesis and grain yield in wheat grown in greenhouse conditions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160384.	1.8	193
2	Studies on the spectrometric analysis of metallic silver nanoparticles (Ag NPs) using <i>Basella alba</i> leaf for the antibacterial activities. <i>Environmental Research</i> , 2021, 199, 111274.	3.7	69
3	PIN μ -mediated polar auxin transport regulations in plant tropic responses. <i>New Phytologist</i> , 2021, 232, 510-522.	3.5	43
4	CRISPR/Cas9 Mediated Knockout of the OsbHLH024 Transcription Factor Improves Salt Stress Resistance in Rice (<i>Oryza sativa</i> L.). <i>Plants</i> , 2022, 11, 1184.	1.6	43
5	Environment friendly synthesis copper oxide nanoparticles and its antioxidant, antibacterial activities using Seaweed (<i>Sargassum longifolium</i>) extract. <i>Journal of Molecular Structure</i> , 2021, 1242, 130724.	1.8	37
6	Ornamental Plant Efficiency for Heavy Metals Phytoextraction from Contaminated Soils Amended with Organic Materials. <i>Molecules</i> , 2021, 26, 3360.	1.7	31
7	Combination of Vitamin C and Curcumin Safeguards Against Methotrexate-Induced Acute Liver Injury in Mice by Synergistic Antioxidant Effects. <i>Frontiers in Medicine</i> , 2022, 9, 866343.	1.2	27
8	Ginger Water Reduces Body Weight Gain and Improves Energy Expenditure in Rats. <i>Foods</i> , 2020, 9, 38.	1.9	26
9	Comparative Efficiency of Mineral, Chelated and Nano Forms of Zinc and Iron for Improvement of Zinc and Iron in Chickpea (<i>Cicer arietinum</i> L.) through Biofortification. <i>Agronomy</i> , 2021, 11, 2436.	1.3	26
10	Pollen molecular biology: Applications in the forensic palynology and future prospects: A review. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1185-1190.	1.8	25
11	Nitrogen and plant density effects on growth, yield performance of two different cotton cultivars from different origin. <i>Journal of King Saud University - Science</i> , 2021, 33, 101512.	1.6	23
12	The Anti-Inflammatory, Anti-Apoptotic, and Antioxidant Effects of a Pomegranate-Peel Extract against Acrylamide-Induced Hepatotoxicity in Rats. <i>Life</i> , 2022, 12, 224.	1.1	23
13	Genome-Wide Analysis of Invertase Gene Family, and Expression Profiling under Abiotic Stress Conditions in Potato. <i>Biology</i> , 2022, 11, 539.	1.3	23
14	Recent Insights Into Processing Approaches and Potential Health Benefits of Goat Milk and Its Products: A Review. <i>Frontiers in Nutrition</i> , 2021, 8, 789117.	1.6	21
15	Biological control: An effective approach against nematodes using black pepper plants (<i>Piper nigrum</i>) Tj ETQq1 1 0,784314 rgBT /Ove	1.8	18
16	Evaluation of Five Medicinal Plant Extracts on <i>Aphis craccivora</i> (Hemiptera: Aphididae) and Its Predator, <i>Chrysoperla carnea</i> (Neuroptera: Chrysopidae) under Laboratory Conditions. <i>Insects</i> , 2020, 11, 398.	1.0	16
17	Combined application of zinc-lysine chelate and zinc-solubilizing bacteria improves yield and grain biofortification of maize (<i>Zea mays</i> L.). <i>PLoS ONE</i> , 2021, 16, e0254647.	1.1	16
18	Transcriptome Analysis of Jojoba (<i>Simmondsia chinensis</i>) during Seed Development and Liquid Wax Ester Biosynthesis. <i>Plants</i> , 2020, 9, 588.	1.6	15

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19	Silk Cocoon-Derived Protein Bioinspired Gold Nanoparticles as a Formidable Anticancer Agent. <i>Journal of Biomedical Nanotechnology</i> , 2021, 17, 615-626.	0.5	15
20	Identification of Leaf Promoters for Use in Transgenic Wheat. <i>Plants</i> , 2018, 7, 27.	1.6	14
21	Screening of inhibitors against SARS-CoV-2 spike protein and their capability to block the viral entry mechanism: A viroinformatics study. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 3262-3269.	1.8	12
22	The role of different organic amendments to improve maize growth in wastewater irrigated soil. <i>Journal of King Saud University - Science</i> , 2021, 33, 101583.	1.6	12
23	<i>Paecilomyces formosus</i> MD12, a Biocontrol Agent to Treat <i>Meloidogyne incognita</i> on Brinjal in Green House. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 632.	1.5	11
24	Potential significance of medicinal plants in forensic analysis: A review. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 3929-3935.	1.8	10
25	Genomic Study of COVID-19 Corona Virus Excludes Its Origin from Recombination or Characterized Biological Sources and Suggests a Role for HERVS in Its Wide Range Symptoms. <i>Cytology and Genetics</i> , 2020, 54, 588-604.	0.2	10
26	Effect of acidified biochar on soil phosphorus availability and fertilizer use efficiency of maize (<i>Zea mays</i>) under low nitrogen availability. <i>Journal of Soil and Water Conservation</i> , 2021, 75, 1-10.	1.6	9
27	Genome-Wide Identification and Expression Profiling of Germin-Like Proteins Reveal Their Role in Regulating Abiotic Stress Response in Potato. <i>Frontiers in Plant Science</i> , 2021, 12, 831140.	1.7	9
28	Plant growth promoting rhizobacteria improve growth and yield related attributes of chili under low nitrogen availability. <i>PLoS ONE</i> , 2021, 16, e0261468.	1.1	9
29	Expression profiling of pathogenesis-related Protein-1 (PR-1) genes from <i>Solanum tuberosum</i> reveals its critical role in <i>Phytophthora infestans</i> infection. <i>Microbial Pathogenesis</i> , 2021, 161, 105290.	1.3	9
30	Quercetin Abrogates Oxidative Neurotoxicity Induced by Silver Nanoparticles in Wistar Rats. <i>Life</i> , 2022, 12, 578.	1.1	9
31	Combination Treatment of Omega-3 Fatty Acids and Vitamin C Exhibited Promising Therapeutic Effect against Oxidative Impairment of the Liver in Methotrexate-Intoxicated Mice. <i>BioMed Research International</i> , 2022, 2022, 1-11.	0.9	9
32	Isolation and efficacy of the endophytic fungus, <i>Beauveria bassiana</i> (Bals.) Vuillemin on grapevine aphid, <i>Aphis illinoisensis</i> Shimer (Hemiptera: Aphididae) under laboratory conditions. <i>Egyptian Journal of Biological Pest Control</i> , 2020, 30, .	0.8	8
33	A comparative study among dietary supplementations of antibiotic, grape seed and chamomile oils on growth performance and carcass properties of growing rabbits. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 2483-2488.	1.8	8
34	Computational screening of camostat and related compounds against human TMPRSS2: A potential treatment of COVID-19. <i>Saudi Pharmaceutical Journal</i> , 2022, 30, 217-224.	1.2	7
35	Control Potentials of Three Entomopathogenic Bacterial Isolates for the Carob Moth, <i>Ectomyelois ceratoniae</i> (Lepidoptera: Pyralidae) in Pomegranates. <i>Agriculture (Switzerland)</i> , 2021, 11, 1256.	1.4	7
36	Transcriptome Analysis of Testis from HFD-Induced Obese Rats (<i>Rattus norvegicus</i>) Indicated Predisposition for Male Infertility. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6493.	1.8	6

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37	Ameliorative Effects of Boswellic Acid on Fipronil-Induced Toxicity: Antioxidant State, Apoptotic Markers, and Testicular Steroidogenic Expression in Male Rats. <i>Animals</i> , 2021, 11, 1302.	1.0	6
38	In vitro fibrinolytic activity of an enzyme purified from <i>Bacillus amyloliquefaciens</i> strain KJ10 isolated from soybean paste. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 4117-4123.	1.8	6
39	<i>Moringa oleifera</i> ethanolic extract ameliorates the testicular dysfunction resulted from HFD-induced obesity rat model. <i>Andrologia</i> , 2021, 53, e14126.	1.0	6
40	<i>Moringa oleifera</i> leaves ethanolic extract ameliorates high fat diet-induced obesity in rats. <i>Journal of King Saud University - Science</i> , 2021, 33, 101552.	1.6	6
41	Diversity of fungal pathogens associated with loquat and development of novel virulence scales. <i>PLoS ONE</i> , 2021, 16, e0257951.	1.1	6
42	Garlic Alleviates the Injurious Impact of Cyclosporine-A in Male Rats through Modulation of Fibrogenic and Steroidogenic Genes. <i>Animals</i> , 2021, 11, 64.	1.0	6
43	Removal of Biomass and Nutrients by Weeds and Direct-Seeded Rice under Conservation Agriculture in Light-Textured Soils of North-Western India. <i>Plants</i> , 2021, 10, 2431.	1.6	6
44	The Protective Impact of <i>Salsola imbricata</i> Leaf Extract From Taif Against Acrylamide-Induced Hepatic Inflammation and Oxidative Damage: The Role of Antioxidants, Cytokines, and Apoptosis-Associated Genes. <i>Frontiers in Veterinary Science</i> , 2021, 8, 817183.	0.9	6
45	Development of Droplet Digital PCR Assay for Detection of Seed-Borne <i>Burkholderia glumae</i> and <i>B. gladioli</i> Causing Bacterial Panicle Blight Disease of Rice. <i>Microorganisms</i> , 2022, 10, 1223.	1.6	6
46	Isolation, Identification, and Biocontrol Potential of Entomopathogenic Nematodes and Associated Bacteria against <i>Virachola livia</i> (Lepidoptera: Lycaenidae) and <i>Ectomyelois ceratoniae</i> (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		
47	Effect of Dust Types on the Eco-Physiological Response of Three Tree Species Seedlings: <i>Eucalyptus camaldulensis</i> , <i>Conocarpus erectus</i> and <i>Bombax ceiba</i> . <i>Atmosphere</i> , 2022, 13, 1010.	1.0	5
48	Molecular characterization of endophytic fungal communities associated with <i>Vitis vinifera</i> L. at Taif region of Saudi Arabia. <i>Journal of Environmental Biology</i> , 2021, 42, 177-185.	0.2	4
49	Antifungal Activities of Wood and Non-Wood Kraft Handsheets Treated with <i>Melia azedarach</i> Extract Using SEM and HPLC Analyses. <i>Polymers</i> , 2021, 13, 2012.	2.0	4
50	Functional Analysis of SBPase Gene Promoter in Transgenic Wheat under Abiotic Stresses. <i>Biotechnology</i> , 2018, 18, 15-23.	0.5	4
51	Induction of Biosynthetic Genes Related to Rosmarinic Acid in Plant Callus Culture and Antiproliferative Activity Against Breast Cancer Cell Line. <i>Pakistan Journal of Biological Sciences</i> , 2020, 23, 1025-1036.	0.2	4
52	Entomopathogenic Bacteria, <i>Xenorhabdus</i> : An Alternative Biocontrol Agent for Integrated Management of Root-knot Nematode on Grapevine. <i>Journal of Pure and Applied Microbiology</i> , 2019, 13, 1499-1508.	0.3	4
53	DNA Fingerprinting of in vitro Micropropagated Pomegranate Genotypes. <i>Pakistan Journal of Biological Sciences</i> , 2020, 23, 619-627.	0.2	4
54	Heat Shock Proteins Expression Is Regulated by Promoter CpG Methylation/demethylation under Heat Stress in Wheat Varieties. <i>Pakistan Journal of Biological Sciences</i> , 2020, 23, 1310-1320.	0.2	4

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55	Root-Knot Disease Suppression in Eggplant Based on Three Growth Ages of <i>Ganoderma lucidum</i> . <i>Microorganisms</i> , 2022, 10, 1068.	1.6	4
56	Computational Insights into the Structural and Functional Impacts of nsSNPs of Bone Morphogenetic Proteins. <i>BioMed Research International</i> , 2022, 2022, 1-17.	0.9	4
57	Salinity Stress Alerts Genome Stability and Genotoxicity of <i>Ocimum basilicum</i> Cultivars. <i>International Journal of Agriculture and Biology</i> , 2021, 25, 1311-1320.	0.2	3
58	Effect of Proline on Growth and Nutrient Uptake of <i>Simmondsia chinensis</i> (Link) Schneider under Salinity Stress. <i>Pakistan Journal of Biological Sciences</i> , 2019, 22, 412-418.	0.2	3
59	Genome-Wide Identification and Expression Profiling of DUF221 Gene Family Provides New Insights Into Abiotic Stress Responses in Potato. <i>Frontiers in Plant Science</i> , 2021, 12, 804600.	1.7	3
60	Characterization of the Impacts of Living at High Altitude in Taif: Oxidative Stress Biomarker Alterations and Immunohistochemical Changes. <i>Current Issues in Molecular Biology</i> , 2022, 44, 1610-1625.	1.0	3
61	Evaluation of Phytochemistry and Pharmacological Properties of <i>Alnus nitida</i> . <i>Molecules</i> , 2022, 27, 4582.	1.7	3
62	Infectious clone construction and pathogenicity confirmation of Cotton leaf curl Multan virus (CLCuMuV), Ramie mosaic virus (RamV) and Corchorus yellow vein Vietnam virus (CoYVV) by southern blot analysis. <i>PLoS ONE</i> , 2021, 16, e0251232.	1.1	2
63	Developing specific leaf promoters tools for genetic use in transgenic plants towards food security. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 5187-5192.	1.8	2
64	Molecular Assessment of Genetic Stability Using CDDP and DNA-barcoding Assays in Long-term Micropropagated Rose Plant. <i>Pakistan Journal of Biological Sciences</i> , 2020, 23, 1176-1183.	0.2	2
65	Kidney transcriptome analysis of rats (<i>Rattus norvegicus</i>) revealed induction of renal injury and damage markers in response to melamine. <i>Journal of King Saud University - Science</i> , 2022, 34, 101727.	1.6	2
66	Stability and anatomical parameters of irradiated potato cultivars under drought stress. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 2819-2827.	1.8	2
67	The impact of different biochars on <i>Stemphylium</i> leaf blight (SLB) suppression and productivity of onion (<i>Allium cepa</i> L.). <i>Journal of King Saud University - Science</i> , 2021, 33, 101575.	1.6	1
68	INFLUENCE OF AIR TEMPERATURE AND SOIL MOISTURE ON GROWTH AND CHEMICAL COMPOSITION OF GERANIUM PLANTS. <i>Pakistan Journal of Botany</i> , 2019, 51, .	0.2	1
69	Reducing RbcS Expression by RNAi Technology Causes Diverse Responses to Nematode in Wheat. <i>International Journal of Agriculture and Biology</i> , 2019, 22, 395-400.	0.2	1
70	Screening of ACTN4 and PLCE1 Genes Mutations in Saudi Children Patients with Steroid Resistant Nephrotic Syndrome. <i>Pakistan Journal of Biological Sciences</i> , 2020, 23, 365-374.	0.2	1
71	Genetic variations analysis of taifâ€™s grapevine plants using three different types of gene â€œtargeted molecular markers. <i>Pakistan Journal of Botany</i> , 2020, 52, .	0.2	1
72	Anticancer Potential of Calli Versus Seedling Extracts Derived from <i>Rosmarinus officinalis</i> and <i>Coleus hybridus</i> . <i>Current Pharmaceutical Biotechnology</i> , 2020, 21, 1528-1538.	0.9	1

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73	Molecular Cloning, Expression, and Function of Synechocystis PCC6803 Type II Peroxiredoxin (sll1621) Gene in Escherichia coli Cells under Salinity Stress Conditions. Journal of Pure and Applied Microbiology, 2020, 14, 1195-1202.	0.3	0