

Naoufal Lakhssassi

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,286
citations

430442

18
h-index

360668

35
g-index

40
all docs

40
docs citations

40
times ranked

2835
citing authors

#	ARTICLE	IF	CITATIONS
1	Phytochemicals: Extraction, Isolation, and Identification of Bioactive Compounds from Plant Extracts. <i>Plants</i> , 2017, 6, 42.	1.6	932
2	A Comprehensive Review on Medicinal Plants as Antimicrobial Therapeutics: Potential Avenues of Biocompatible Drug Discovery. <i>Metabolites</i> , 2019, 9, 258.	1.3	410
3	The soybean GmSNAP18 gene underlies two types of resistance to soybean cyst nematode. <i>Nature Communications</i> , 2017, 8, 14822.	5.8	91
4	Characterization of the Soluble NSF Attachment Protein gene family identifies two members involved in additive resistance to a plant pathogen. <i>Scientific Reports</i> , 2017, 7, 45226.	1.6	69
5	Whole-genome resequencing reveals the impact of the interaction of copy number variants of the <i>Rhg1</i> and <i>Rhg4</i> genes on broad-based resistance to soybean cyst nematode. <i>Plant Biotechnology Journal</i> , 2019, 17, 1595-1611.	4.1	65
6	Characterization of the FAD2 Gene Family in Soybean Reveals the Limitations of Gel-Based TILLING in Genes with High Copy Number. <i>Frontiers in Plant Science</i> , 2017, 8, 324.	1.7	64
7	Development of a Millet Starch Edible Film Containing Clove Essential Oil. <i>Foods</i> , 2020, 9, 184.	1.9	58
8	Critical review of radio-frequency (RF) heating applications in food processing. <i>Food Quality and Safety</i> , 2019, 3, 81-91.	0.6	56
9	The Arabidopsis TETRATRIPEPTIDE THIOREDOXIN-LIKE Gene Family Is Required for Osmotic Stress Tolerance and Male Sporogenesis. <i>Plant Physiology</i> , 2012, 158, 1252-1266.	2.3	49
10	TTL Proteins Scaffold Brassinosteroid Signaling Components at the Plasma Membrane to Optimize Signal Transduction in Arabidopsis. <i>Plant Cell</i> , 2019, 31, 1807-1828.	3.1	47
11	Systematic Mutagenesis of Serine Hydroxymethyltransferase Reveals an Essential Role in Nematode Resistance. <i>Plant Physiology</i> , 2017, 175, 1370-1380.	2.3	43
12	A SNARE-Like Protein and Biotin Are Implicated in Soybean Cyst Nematode Virulence. <i>PLoS ONE</i> , 2015, 10, e0145601.	1.1	41
13	Purification of Bioactive Peptide with Antimicrobial Properties Produced by <i>Saccharomyces cerevisiae</i> . <i>Foods</i> , 2020, 9, 324.	1.9	39
14	Ultrasound applications in poultry meat processing: A systematic review. <i>Journal of Food Science</i> , 2020, 85, 1386-1396.	1.5	37
15	Stearoyl-Acyl Carrier Protein Desaturase Mutations Uncover an Impact of Stearic Acid in Leaf and Nodule Structure. <i>Plant Physiology</i> , 2017, 174, 1531-1543.	2.3	35
16	A pathogenesis-related protein GmPRO8/Bet VI promotes a molecular interaction between the GmSHMT08 and GmSNAP18 in resistance to <i>Heterodera glycines</i> . <i>Plant Biotechnology Journal</i> , 2020, 18, 1810-1829.	4.1	29
17	Genome reorganization of the GmSHMT gene family in soybean showed a lack of functional redundancy in resistance to soybean cyst nematode. <i>Scientific Reports</i> , 2019, 9, 1506.	1.6	24
18	Soybean TILLING-by-Sequencing+ reveals the role of novel GmSACPD members in unsaturated fatty acid biosynthesis while maintaining healthy nodules. <i>Journal of Experimental Botany</i> , 2020, 71, 6969-6987.	2.4	22

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19	Genome-wide identification and analysis of soybean acyl-ACP thioesterase gene family reveals the role of GmFAT to improve fatty acid composition in soybean seed. <i>Theoretical and Applied Genetics</i> , 2021, 134, 3611-3623.	1.8	20
20	TILLING-by-Sequencing+ Reveals the Role of Novel Fatty Acid Desaturases (GmFAD2-2s) in Increasing Soybean Seed Oleic Acid Content. <i>Cells</i> , 2021, 10, 1245.	1.8	19
21	Assessment of Phenotypic Variations and Correlation among Seed Composition Traits in Mutagenized Soybean Populations. <i>Genes</i> , 2019, 10, 975.	1.0	18
22	Mutations at the Serine Hydroxymethyltransferase Impact Its Interaction with a Soluble NSF Attachment Protein and a Pathogenesis-Related Protein in Soybean. <i>Vaccines</i> , 2020, 8, 349.	2.1	18
23	Optimization of Ultrasonicated Kaempferol Extraction from <i>Ocimum basilicum</i> Using a Boxâ€Behnken Design and Its Densitometric Validation. <i>Foods</i> , 2020, 9, 1379.	1.9	12
24	Dissecting nematode resistance regions in soybean revealed pleiotropic effect of soybean cyst and reniform nematode resistance genes. <i>Plant Genome</i> , 2021, 14, e20083.	1.6	12
25	TILLING-by-Sequencing+ to Decipher Oil Biosynthesis Pathway in Soybeans: A New and Effective Platform for High-Throughput Gene Functional Analysis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4219.	1.8	12
26	Extraction and Identification of Cactus <i>Opuntia dillenii</i> Seed Oil and its added Value for Human Health Benefits. <i>Pharmacognosy Journal</i> , 2019, 11, 579-587.	0.3	12
27	Evaluation of the antimicrobial activities of ultrasonicated spinach leaf extracts using RAPD markers and electron microscopy. <i>Archives of Microbiology</i> , 2017, 199, 1417-1429.	1.0	11
28	The Soybean High Density â€Forrestâ€™™ by â€Williams 82â€™™ SNP-Based Genetic Linkage Map Identifies QTL and Candidate Genes for Seed Isoflavone Content. <i>Plants</i> , 2021, 10, 2029.	1.6	10
29	EMS-Induced Mutagenesis of <i>Clostridium carboxidivorans</i> for Increased Atmospheric CO2 Reduction Efficiency and Solvent Production. <i>Microorganisms</i> , 2020, 8, 1239.	1.6	8
30	Genome Wide MeDIP-Seq Profiling of Wild and Cultivated Olives Trees Suggests DNA Methylation Fingerprint on the Sensory Quality of Olive Oil. <i>Plants</i> , 2021, 10, 1405.	1.6	6
31	Water distillation using an ohmic heating apparatus. <i>International Journal of Ambient Energy</i> , 2022, 43, 2748-2758.	1.4	5
32	Soybean Genomic Libraries, TILLING, and Genetic Resources. <i>Compendium of Plant Genomes</i> , 2017, , 131-149.	0.3	4
33	Nonhypothesis Analysis of a Mutagenic Soybean (<i>Glycine max</i> [L.] Population for Protein and Fattyâ€Acid Composition. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2018, 95, 461-471.	0.8	3
34	QTL and Candidate Genes for Seed Tocopherol Content in â€Forrestâ€™™ by â€Williams 82â€™™ Recombinant Inbred Line (RIL) Population of Soybean. <i>Plants</i> , 2022, 11, 1258.	1.6	3
35	Sustainable Biosynthesis of Antioxidants from Koji Rice Fermented with <i>Aspergillus flavus</i> Using Microwave-Assisted Extraction. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 430.	1.3	2
36	Characterization of Diversity of Bradyrhizobia on Cowpea in Iraq Reveals Unusual Strain Characteristics. <i>Atlas Journal of Biology</i> , 0, , 392-401.	0.1	0

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37	TTL Proteins Scaffold Brassinosteroid Signaling Components at the Plasma Membrane to Optimize Signal Transduction in Plant Cells. SSRN Electronic Journal, 0, , .	0.4	0
38	Evaluation of Yield Performance of Soybean Mutant FM6-847 in North Carolina. Atlas Journal of Plant Biology, 0, , 96-105.	0.1	0