

# Cherkaoui El Modafar

## List of Publications by Year in descending order

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62  
papers

1,439  
citations

279798

23  
h-index

361022

35  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1336  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic structure and core collection of the World Olive Germplasm Bank of Marrakech: towards the optimised management and use of Mediterranean olive genetic resources. <i>Genetica</i> , 2011, 139, 1083-1094.	1.1	132
2	Induction of natural defence accompanied by salicylic acid-dependant systemic acquired resistance in tomato seedlings in response to bioelicitors isolated from green algae. <i>Scientia Horticulturae</i> , 2012, 138, 55-63.	3.6	88
3	Arbuscular Mycorrhizal Fungi Mediate Drought Tolerance and Recovery in Two Contrasting Carob ( <i>Ceratonia siliqua</i> L.) Ecotypes by Regulating Stomatal, Water Relations, and (In)Organic Adjustments. <i>Plants</i> , 2020, 9, 80.	3.5	84
4	Induction of natural defense and protection against <i>Penicillium expansum</i> and <i>Botrytis cinerea</i> in apple fruit in response to bioelicitors isolated from green algae. <i>Scientia Horticulturae</i> , 2015, 181, 121-128.	3.6	66
5	Cell Wall-Bound Phenolic Acid and Lignin Contents in Date Palm as Related to its Resistance to <i>Fusarium Oxysporum</i> . <i>Biologia Plantarum</i> , 2001, 44, 125-130.	1.9	62
6	Inoculation of <i>Platanus acerifolia</i> with <i>Ceratocystis fimbriata</i> F. Sp. <i>Platani</i> induces scopoletin and umbelliferone accumulation. <i>Phytochemistry</i> , 1993, 34, 1271-1276.	2.9	59
7	Seaweed polysaccharides as bio-elicitors of natural defenses in olive trees against verticillium wilt of olive. <i>Journal of Plant Interactions</i> , 2018, 13, 248-255.	2.1	56
8	Assemblage of indigenous arbuscular mycorrhizal fungi and green waste compost enhance drought stress tolerance in carob ( <i>Ceratonia siliqua</i> L.) trees. <i>Scientific Reports</i> , 2021, 11, 22835.	3.3	42
9	Physiological and biochemical traits of drought tolerance in <i>Argania spinosa</i> . <i>Journal of Plant Interactions</i> , 2015, 10, 252-261.	2.1	40
10	Use of Alginate Extracted from Moroccan Brown Algae to Stimulate Natural Defense in Date Palm Roots. <i>Molecules</i> , 2020, 25, 720.	3.8	39
11	Construction of a Genetic Linkage Map for the Olive Based on AFLP and SSR Markers. <i>Crop Science</i> , 2010, 50, 2291-2302.	1.8	39
12	Changes in Cell Wall-bound Phenolic Compounds and Lignin in Roots of Date Palm Cultivars Differing in Susceptibility to <i>Fusarium oxysporum</i> f. sp. <i>albedinis</i> . <i>Journal of Phytopathology</i> , 2000, 148, 405-411.	1.0	38
13	Phenolic compounds in date palm cultivars sensitive and resistant to <i>Fusarium oxysporum</i> . <i>Biologia Plantarum</i> , 1996, 38, 451-457.	1.9	37
14	Mechanisms of date palm resistance to Bayoud disease: Current state of knowledge and research prospects. <i>Physiological and Molecular Plant Pathology</i> , 2010, 74, 287-294.	2.5	37
15	Differential physiological and antioxidative responses to drought stress and recovery among four contrasting <i>Argania spinosa</i> ecotypes. <i>Journal of Plant Interactions</i> , 2016, 11, 30-40.	2.1	35
16	Effect of Arbuscular Mycorrhizal Fungi and Phosphate-Solubilizing Bacteria Consortia Associated with Phospho-Compost on Phosphorus Solubilization and Growth of Tomato Seedlings ( <i>Solanum</i> ) Tj ETQq0 0 OrgBT /Overlock 10 Tf		
17	Evaluation of the nutrients cycle, humification process, and agronomic efficiency of organic wastes composting enriched with phosphate sludge. <i>Journal of Cleaner Production</i> , 2021, 302, 127051.	9.3	33
18	Leaf water status, osmoregulation and secondary metabolism as a model for depicting drought tolerance in <i>Argania spinosa</i> . <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	32

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19	An Assessment of Genetic Diversity and Drought Tolerance in Argan Tree ( <i>Argania spinosa</i> ) Populations: Potential for the Development of Improved Drought Tolerance. <i>Frontiers in Plant Science</i> , 2017, 8, 276.	3.6	31
20	Differential induction of phenylalanine ammonia-lyase activity in date palm roots in response to inoculation with <i>Fusarium oxysporum</i> f. sp. <i>albedinis</i> and to elicitation with fungal wall elicitor. <i>Journal of Plant Physiology</i> , 2001, 158, 715-722.	3.5	30
21	Flavan accumulation in stems of <i>Platanus</i> — <i>acerifolia</i> seedlings inoculated with <i>Ceratocystis fimbriata</i> f.sp. <i>platani</i> , the canker stain disease agent. <i>Canadian Journal of Botany</i> , 1996, 74, 1982-1987.	1.1	26
22	Glucuronan and oligoglucuronans isolated from green algae activate natural defense responses in apple fruit and reduce postharvest blue and gray mold decay. <i>Journal of Applied Phycology</i> , 2017, 29, 471-480.	2.8	25
23	Induction of Natural Defenses in Tomato Seedlings by Using Alginate and Oligoalginates Derivatives Extracted from Moroccan Brown Algae. <i>Marine Drugs</i> , 2020, 18, 521.	4.6	25
24	Use of mycorrhizal fungi and compost for improving the growth and yield of tomato and its resistance to <i>Verticillium dahliae</i> . <i>Archives of Phytopathology and Plant Protection</i> , 2021, 54, 665-690.	1.3	24
25	Bioprotection of olive tree from <i>Verticillium</i> wilt by autochthonous endomycorrhizal fungi. <i>Journal of Plant Diseases and Protection</i> , 2020, 127, 349-357.	2.9	23
26	Reusing phosphate sludge enriched by phosphate solubilizing bacteria as biofertilizer: Growth promotion of Zea Mays. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 30, 101825.	3.1	21
27	Menara gardens: a Moroccan olive germplasm collection identified by a SSR locus-based genetic study. <i>Genetic Resources and Crop Evolution</i> , 2008, 55, 893-900.	1.6	20
28	Using microsatellite markers to map genetic diversity and population structure of an endangered Moroccan endemic tree ( <i>Argania spinosa</i> L. Skeels) and development of a core collection. <i>Plant Gene</i> , 2017, 10, 51-59.	2.3	20
29	Arbuscular mycorrhizal fungi improve mineral nutrition and tolerance of olive tree to <i>Verticillium</i> wilt. <i>Archives of Phytopathology and Plant Protection</i> , 2020, 53, 673-689.	1.3	19
30	Fucoidans of Moroccan Brown Seaweed as Elicitors of Natural Defenses in Date Palm Roots. <i>Marine Drugs</i> , 2020, 18, 596.	4.6	17
31	<i>Alcaligenes aquatilis</i> GTE53: Phosphate solubilising and bioremediation bacterium isolated from new biotope "phosphate sludge enriched-compost". <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 371-379.	3.8	14
32	Patterns of Genetic Diversity and Structure at Fine Scale of an Endangered Moroccan Endemic Tree ( <i>Argania spinosa</i> L. Skeels) Based on ISSR Polymorphism. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2015, 43, 528-535.	1.1	12
33	Agro-Fruit-Forest Systems Based on Argan Tree in Morocco: A Review of Recent Results. <i>Frontiers in Plant Science</i> , 2021, 12, 783615.	3.6	12
34	Optimization of Bioethanol Production from Enzymatic Treatment of Argan Pulp Feedstock. <i>Molecules</i> , 2021, 26, 2516.	3.8	11
35	Phenotypic biodiversity of an endemic wild pear, <i>Pyrus mamorensis</i> Trab., in North-Western Morocco using morphological descriptors. <i>Genetic Resources and Crop Evolution</i> , 2013, 60, 927-938.	1.6	10
36	Morphological, Physiological, and Biochemical Responses to Water Stress in Melon ( <i>Cucumis melo</i> ) Subjected to Regulated Deficit Irrigation (RDI) and Partial Rootzone Drying (PRD). <i>Journal of Crop Science and Biotechnology</i> , 2018, 21, 407-416.	1.5	10

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37	Uprising the antioxidant power of <i>Argania spinosa</i> L. callus through abiotic elicitation. <i>Comptes Rendus - Biologies</i> , 2019, 342, 7-17.	0.2	10
38	Impact of arbuscular mycorrhizal fungi and compost on the growth, water status, and photosynthesis of carob ( <i>Ceratonia siliqua</i> ) under drought stress and recovery. <i>Plant Biosystems</i> , 2022, 156, 994-1010.	1.6	10
39	The effects of mycorrhizal fungi on vascular wilt diseases. <i>Crop Protection</i> , 2022, 155, 105938.	2.1	10
40	Study of genetic diversity and differentiation of argan tree population ( <i>Argania spinosa</i> L.) using AFLP markers. <i>Australian Journal of Crop Science</i> , 2016, 10, 990-999.	0.3	9
41	A Novel Sulfated Glycoprotein Elicitor Extracted from the Moroccan Green Seaweed <i>Codium decorticans</i> Induces Natural Defenses in Tomato. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3643.	2.5	9
42	Genetic diversity and population structure of the endangered argan tree ( <i>Argania spinosa</i> L. Skeels) in Morocco as revealed by SSR markers: Implication for conservation. <i>Australian Journal of Crop Science</i> , 2017, 11, 1304-1314.	0.3	8
43	Valorization of co-products generated by argan oil extraction process: application to biodiesel production. <i>Biofuels</i> , 0, , 1-7.	2.4	7
44	Impact of Native Biostimulants/Biofertilizers and Their Synergistic Interactions On the Agro-physiological and Biochemical Responses of Date Palm Seedlings. <i>Gesunde Pflanzen</i> , 2022, 74, 1053-1069.	3.0	7
45	Physiological and Biochemical Mechanisms of Drought Stress Tolerance in the Argan Tree. , 2018, , 311-322.		6
46	Mycorrhizal autochthonous consortium induced defense-related mechanisms of olive trees against <i>Verticillium dahliae</i> . <i>Journal of Plant Diseases and Protection</i> , 2021, 128, 225-237.	2.9	6
47	Induction of Defense Gene Expression and the Resistance of Date Palm to <i>Fusarium oxysporum</i> f. sp. <i>Albedinis</i> in Response to Alginate Extracted from <i>Bifurcaria bifurcata</i> . <i>Marine Drugs</i> , 2022, 20, 88.	4.6	6
48	Pharmacological Investigations in Traditional Utilization of <i>Alhagi maurorum</i> Medik. in Saharan Algeria: In Vitro Study of Anti-Inflammatory and Antihyperglycemic Activities of Water-Soluble Polysaccharides Extracted from the Seeds. <i>Plants</i> , 2021, 10, 2658.	3.5	6
49	Bottleneck and gene flow effects impact the genetic structure of seed-propagated apricot populations in Moroccan oasis agroecosystems. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2014, 12, 215-225.	0.8	5
50	A phosphocompost amendment enriched with PGPR consortium enhancing plants growth in deficient soil. <i>Communications in Soil Science and Plant Analysis</i> , 2021, 52, 1236-1247.	1.4	4
51	Induction of early oxidative events in mycorrhizal olive tree in response to <i>Verticillium</i> wilt. <i>Archives of Phytopathology and Plant Protection</i> , 2021, 54, 1323-1345.	1.3	4
52	Morphological characterization and assessment of genetic diversity of natural Moroccan populations of <i>Capparis spinosa</i> . <i>Acta Physiologiae Plantarum</i> , 2021, 43, 1.	2.1	4
53	Effectiveness of indigenous arbuscular mycorrhizal consortium on the growth and mineral nutrition of <i>Argania spinosa</i> (L.) skeels. <i>Plant Biosystems</i> , 2022, 156, 1365-1372.	1.6	4
54	Influence of the sulfate content of the exopolysaccharides from <i>Porphyridium sordidum</i> on their elicitor activities on date palm vitroplants. <i>Plant Physiology and Biochemistry</i> , 2022, 186, 99-106.	5.8	4

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55	R�le des champignons ectomycorhiziens dans l'induction des m�canismes de d�fense du Pin d'Alep vis-�vis de <i>Fusarium oxysporum</i> . <i>Acta Botanica Gallica</i> , 2005, 152, 77-89.	0.9	3
56	Polysaccharides and Derivatives from Africa to Address and Advance Sustainable Development and Economic Growth in the Next Decade. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5243.	2.5	3
57	Phosphate sludge: opportunities for use as a fertilizer in deficient.. <i>Detritus</i> , 2021, , 82-93.	0.9	3
58	Changes in Antioxidant Enzymes Activity and Oxidative Damage in Four <i>Argania spinosa</i> Ecotypes Under Water Stress Conditions. <i>Nature Precedings</i> , 2011, , .	0.1	2
59	Effect of phospho-compost and phosphate laundered sludge combined or not with endomycorrhizal inoculum on the growth and yield of tomato plants under greenhouse conditions. <i>Acta Biologica Szegediensis</i> , 2021, 64, 221-232.	0.3	2
60	A Review on the Root System of <i>Argania spinosa</i> . <i>Current Agriculture Research Journal</i> , 2020, 8, 07-17.	0.1	2
61	Olive mill wastewater spreading improves growth, physiological and biochemical traits of <i>Phaseolus vulgaris</i> . , 0, 185, 87-98.		1
62	Diversity of arbuscular mycorrhizal fungi in the rhizosphere of saffron ( <i>Crocus sativus</i> ) plants along with age of plantation in Taliouine region in Morocco. <i>Acta Biologica Szegediensis</i> , 2022, 2, 199-209.	0.3	1