# 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 | Impact of arbuscular mycorrhizal fungi and compost on the growth, water status, and photosynthesis of carob (Ceratonia siliqua) under drought stress and recovery. Plant Biosystems, 2022, 156, 994-1010. | 1.6 | 10 |
| 2 | Induction of Defense Gene Expression and the Resistance of Date Palm to Fusarium oxysporum f. sp. Albedinis in Response to Alginate Extracted from Bifurcaria bifurcata. Marine Drugs, 2022, 20, 88. | 4.6 | 6 |
| 3 | The effects of mycorrhizal fungi on vascular wilt diseases. Crop Protection, 2022, 155, 105938. | 2.1 | 10 |
| 4 | Effectiveness of indigenous arbuscular mycorrhizal consortium on the growth and mineral nutrition of Argania spinosa (L.) skeels. Plant Biosystems, 2022, 156, 1365-1372. | 1.6 | 4 |
| 5 | A Novel Sulfated Glycoprotein Elicitor Extracted from the Moroccan Green Seaweed Codium decorticatum Induces Natural Defenses in Tomato. Applied Sciences (Switzerland), 2022, 12, 3643. | 2.5 | 9 |
| 6 | Impact of Native Biostimulants/Biofertilizers and Their Synergistic Interactions On the Agro-physiological and Biochemical Responses of Date Palm Seedlings. Gesunde Pflanzen, 2022, 74, 1053-1069. | 3.0 | 7 |
| 7 | Diversity of arbuscular mycorrhizal fungi in the rhizosphere of saffron (Crocus sativus) plants along with age of plantation in Taliouine region in Morocco. Acta Biologica Szegediensis, 2022, 2, 199-209. | 0.3 | 1 |
| 8 | Influence of the sulfate content of the exopolysaccharides from Porphyridium sordidum on their elicitor activities on date palm vitroplants. Plant Physiology and Biochemistry, 2022, 186, 99-106. | 5.8 | 4 |
| 9 | Use of mycorrhizal fungi and compost for improving the growth and yield of tomato and its resistance to Verticillium dahliae. Archives of Phytopathology and Plant Protection, 2021, 54, 665-690. | 1.3 | 24 |
| 10 | Mycorrhizal autochthonous consortium induced defense-related mechanisms of olive trees against Verticillium dahliae. Journal of Plant Diseases and Protection, 2021, 128, 225-237. | 2.9 | 6 |
| 11 | Alcaligenes aquatilis GTE53: Phosphate solubilising and bioremediation bacterium isolated from new biotope â€œphosphate sludge enriched-compostâ€• Saudi Journal of Biological Sciences, 2021, 28, 371-379. | 3.8 | 14 |
| 12 | A phosphocompost amendment enriched with PGPR consortium enhancing plants growth in deficient soil. Communications in Soil Science and Plant Analysis, 2021, 52, 1236-1247. | 1.4 | 4 |
| 13 | Induction of early oxidative events in mycorrhizal olive tree in response to Verticillium wilt. Archives of Phytopathology and Plant Protection, 2021, 54, 1323-1345. | 1.3 | 4 |
| 14 | Eï¬€ect of phospho-compost and phosphate laundered sludge combined or not with endomycorrhizal inoculum on the growth and yield of tomato plants under greenhouse conditions. Acta Biologica Szegediensis, 2021, 64, 221-232. | 0.3 | 2 |
| 15 | Optimization of Bioethanol Production from Enzymatic Treatment of Argan Pulp Feedstock. Molecules, 2021, 26, 2516. | 3.8 | 11 |
| 16 | Polysaccharides and Derivatives from Africa to Address and Advance Sustainable Development and Economic Growth in the Next Decade. Applied Sciences (Switzerland), 2021, 11, 5243. | 2.5 | 3 |
| 17 | Evaluation of the nutrients cycle, humification process, and agronomic efficiency of organic wastes composting enriched with phosphate sludge. Journal of Cleaner Production, 2021, 302, 127051. | 9.3 | 33 |
| 18 | Phosphate sludge: opportunities for use as a fertilizer in deficient.. Detritus, 2021, , 82-93. | 0.9 | 3 |

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|---|---|---|---|
| 19 | Morphological characterization and assessment of genetic diversity of natural Moroccan populations of Capparis spinosa. Acta Physiologiae Plantarum, 2021, 43, 1. | 2.1 | 4 |
| 20 | Assemblage of indigenous arbuscular mycorrhizal fungi and green waste compost enhance drought stress tolerance in carob (Ceratonia siliqua L.) trees. Scientific Reports, 2021, 11, 22835. | 3.3 | 42 |
| 21 | Agro-Fruit-Forest Systems Based on Argan Tree in Morocco: A Review of Recent Results. Frontiers in Plant Science, 2021, 12, 783615. | 3.6 | 12 |
| 22 | Pharmacological Investigations in Traditional Utilization of Alhagi maurorum Medik. in Saharan Algeria: In Vitro Study of Anti-Inflammatory and Antihyperglycemic Activities of Water-Soluble Polysaccharides Extracted from the Seeds. Plants, 2021, 10, 2658. | 3.5 | 6 |
| 23 | Arbuscular Mycorrhizal Fungi Mediate Drought Tolerance and Recovery in Two Contrasting Carob (Ceratonia siliqua L.) Ecotypes by Regulating Stomatal, Water Relations, and (In)Organic Adjustments. Plants, 2020, 9, 80. | 3.5 | 84 |
| 24 | Induction of Natural Defenses in Tomato Seedlings by Using Alginate and Oligoalginates Derivatives Extracted from Moroccan Brown Algae. Marine Drugs, 2020, 18, 521. | 4.6 | 25 |
| 25 | Reusing phosphate sludge enriched by phosphate solubilizing bacteria as biofertilizer: Growth promotion of Zea Mays. Biocatalysis and Agricultural Biotechnology, 2020, 30, 101825. | 3.1 | 21 |
| 26 | Arbuscular mycorrhizal fungi improve mineral nutrition and tolerance of olive tree to Verticillium wilt. Archives of Phytopathology and Plant Protection, 2020, 53, 673-689. | 1.3 | 19 |
| 27 | Fucoidans of Moroccan Brown Seaweed as Elicitors of Natural Defenses in Date Palm Roots. Marine Drugs, 2020, 18, 596. | 4.6 | 17 |
| 28 | Effect of Arbuscular Mycorrhizal Fungi and Phosphate-Solubilizing Bacteria Consortia Associated with Phospho-Compost on Phosphorus Solubilization and Growth of Tomato Seedlings ( <i>Solanum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 1.3 | 24 |
| 29 | Use of Alginate Extracted from Moroccan Brown Algae to Stimulate Natural Defense in Date Palm Roots. Molecules, 2020, 25, 720. | 3.8 | 39 |
| 30 | Bioprotection of olive tree from Verticillium wilt by autochthonous endomycorrhizal fungi. Journal of Plant Diseases and Protection, 2020, 127, 349-357. | 2.9 | 23 |
| 31 | A Review on the Root System of Argania spinosa. Current Agriculture Research Journal, 2020, 8, 07-17. | 0.1 | 2 |
| 32 | Uprising the antioxidant power of Argania spinosa L. callus through abiotic elicitation. Comptes Rendus - Biologies, 2019, 342, 7-17. | 0.2 | 10 |
| 33 | Morphological, Physiological, and Biochemical Responses to Water Stress in Melon (Cucumis melo) Subjected to Regulated Deficit Irrigation (RDI) and Partial Rootzone Drying (PRD). Journal of Crop Science and Biotechnology, 2018, 21, 407-416. | 1.5 | 10 |
| 34 | Seaweed polysaccharides as bio-elicitors of natural defenses in olive trees against verticillium wilt of olive. Journal of Plant Interactions, 2018, 13, 248-255. | 2.1 | 56 |
| 35 | Physiological and Biochemical Mechanisms of Drought Stress Tolerance in the Argan Tree. , 2018, , 311-322. | | 6 |
| 36 | Using microsatellite markers to map genetic diversity and population structure of an endangered Moroccan endemic tree ( Argania spinosa L. Skeels) and development of a core collection. Plant Gene, 2017, 10, 51-59. | 2.3 | 20 |

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|---|---|---|---|
| 37 | Glucuronan and oligoglucuronans isolated from green algae activate natural defense responses in apple fruit and reduce postharvest blue and gray mold decay. Journal of Applied Phycology, 2017, 29, 471-480. | 2.8 | 25 |
| 38 | An Assessment of Genetic Diversity and Drought Tolerance in Argan Tree (Argania spinosa) Populations: Potential for the Development of Improved Drought Tolerance. Frontiers in Plant Science, 2017, 8, 276. | 3.6 | 31 |
| 39 | Genetic diversity and population structure of the endangered argan tree (Argania spinosa L. Skeels) in morocco as revealed by SSR markers: Implication for conservation. Australian Journal of Crop Science, 2017, 11, 1304-1314. | 0.3 | 8 |
| 40 | Study of genetic diversity and differentiation of argan tree population (Argania spinosa L.) using AFLP markers. Australian Journal of Crop Science, 2016, 10, 990-999. | 0.3 | 9 |
| 41 | Differential physiological and antioxidative responses to drought stress and recovery among four contrasting Argania spinosa ecotypes. Journal of Plant Interactions, 2016, 11, 30-40. | 2.1 | 35 |
| 42 | Patterns of Genetic Diversity and Structure at Fine Scale of an Endangered Moroccan Endemic Tree (Argania spinosa L. Skeels) Based on ISSR Polymorphism. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2015, 43, 528-535. | 1.1 | 12 |
| 43 | Physiological and biochemical traits of drought tolerance inArgania spinosa. Journal of Plant Interactions, 2015, 10, 252-261. | 2.1 | 40 |
| 44 | Leaf water status, osmoregulation and secondary metabolism as a model for depicting drought tolerance in Argania spinosa. Acta Physiologiae Plantarum, 2015, 37, 1. | 2.1 | 32 |
| 45 | Induction of natural defense and protection against Penicillium expansum and Botrytis cinerea in apple fruit in response to bioelicitors isolated from green algae. Scientia Horticulturae, 2015, 181, 121-128. | 3.6 | 66 |
| 46 | Bottleneck and gene flow effects impact the genetic structure of seed-propagated apricot populations in Moroccan oasis agroecosystems. Plant Genetic Resources: Characterisation and Utilisation, 2014, 12, 215-225. | 0.8 | 5 |
| 47 | Phenotypic biodiversity of an endemic wild pear, Pyrus mamorensis Trab., in North-Western Morocco using morphological descriptors. Genetic Resources and Crop Evolution, 2013, 60, 927-938. | 1.6 | 10 |
| 48 | Induction of natural defence accompanied by salicylic acid-dependant systemic acquired resistance in tomato seedlings in response to bioelicitors isolated from green algae. Scientia Horticulturae, 2012, 138, 55-63. | 3.6 | 88 |
| 49 | Changes in Antioxidant Enzymes Activity and Oxidative Damage in Four Argania spinosa Ecotypes Under Water Stress Conditions. Nature Precedings, 2011, , . | 0.1 | 2 |
| 50 | Genetic structure and core collection of the World Olive Germplasm Bank of Marrakech: towards the optimised management and use of Mediterranean olive genetic resources. Genetica, 2011, 139, 1083-1094. | 1.1 | 132 |
| 51 | Mechanisms of date palm resistance to Bayoud disease: Current state of knowledge and research prospects. Physiological and Molecular Plant Pathology, 2010, 74, 287-294. | 2.5 | 37 |
| 52 | Construction of a Genetic Linkage Map for the Olive Based on AFLP and SSR Markers. Crop Science, 2010, 50, 2291-2302. | 1.8 | 39 |
| 53 | Menara gardens: a Moroccan olive germplasm collection identified by a SSR locus-based genetic study. Genetic Resources and Crop Evolution, 2008, 55, 893-900. | 1.6 | 20 |
| 54 | RÃ1e des champignons ectomycorhiziens dans l'induction des mÃ©canismes de dÃ©fense du Pin d'Alep vis-Ã-vis deFusarium oxysporum. Acta Botanica Gallica, 2005, 152, 77-89. | 0.9 | 3 |

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|---|---|---|---|
| 55 | Differential induction of phenylalanine ammonia-lyase activity in date palm roots in response to inoculation with Fusarium oxysporum f. sp. albedinis and to elicitation with fungal wall elicitor. Journal of Plant Physiology, 2001, 158, 715-722. | 3.5 | 30 |
| 56 | Cell Wall-Bound Phenolic Acid and Lignin Contents in Date Palm as Related to its Resistance to Fusarium Oxysporum. Biologia Plantarum, 2001, 44, 125-130. | 1.9 | 62 |
| 57 | Changes in Cell Wall-bound Phenolic Compounds and Lignin in Roots of Date Palm Cultivars Differing in Susceptibility to Fusarium oxysporum f. sp. albedinis. Journal of Phytopathology, 2000, 148, 405-411. | 1.0 | 38 |
| 58 | Flavan accumulation in stems ofPlatanusÃ—acerifoliaseedlings inoculated withCeratocystis fimbriataf.sp.platani, the canker stain disease agent. Canadian Journal of Botany, 1996, 74, 1982-1987. | 1.1 | 26 |
| 59 | Phenolic compounds in date palm cultivars sensitive and resistant toFusarium oxysporum. Biologia Plantarum, 1996, 38, 451-457. | 1.9 | 37 |
| 60 | Inoculation of Platanus acerifolia with Ceratocystis fimbriata F. Sp. Platani induces scopoletin and umbelliferone accumulation. Phytochemistry, 1993, 34, 1271-1276. | 2.9 | 59 |
| 61 | Valorization of co-products generated by argan oil extraction process: application to biodiesel production. Biofuels, 0, , 1-7. | 2.4 | 7 |
| 62 | Olive mill wastewater spreading improves growth, physiological and biochemical traits of Phaseolus vulgaris. , 0, 185, 87-98. | | 1 |