

# Abdelkarim Filali-Maltouf

## List of Publications by Year in descending order

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96  
papers

1,752  
citations

257450

24  
h-index

345221

36  
g-index

100  
all docs

100  
docs citations

100  
times ranked

2181  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic Diversity within a Global Panel of Durum Wheat ( <i>Triticum durum</i> ) Landraces and Modern Germplasm Reveals the History of Alleles Exchange. <i>Frontiers in Plant Science</i> , 2017, 8, 1277.	3.6	178
2	Genetic Diversity and Phylogeny of Rhizobia That Nodulate <i>Acacia</i> spp. in Morocco Assessed by Analysis of rRNA Genes. <i>Applied and Environmental Microbiology</i> , 1998, 64, 4912-4917.	3.1	84
3	RHIZOSTABILIZATION OF METALS IN SOILS USING LUPINUS LUTEUS INOCULATED WITH THE METAL RESISTANT RHIZOBACTERIUM <i>SERRATIA</i> SP. MSMC541. <i>International Journal of Phytoremediation</i> , 2012, 14, 261-274.	3.1	81
4	Root System Architecture and Its Association with Yield under Different Water Regimes in Durum Wheat. <i>Crop Science</i> , 2018, 58, 2331-2346.	1.8	70
5	NADPH Oxidase NOX4 Is a Critical Mediator of BRAF <sup>V600E</sup> -Induced Downregulation of the Sodium/Iodide Symporter in Papillary Thyroid Carcinomas. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 864-877.	5.4	63
6	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
7	Lead Tolerance and Accumulation in <i>Hirschfeldia incana</i> , a Mediterranean Brassicaceae from Metalliferous Mine Spoils. <i>PLoS ONE</i> , 2013, 8, e61932.	2.5	40
8	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
9	Recovery of symbiotic nitrogen fixing acacia rhizobia from Merzouga Desert sand dunes in South East Morocco – Identification of a probable new species of Ensifer adapted to stressed environments. <i>Systematic and Applied Microbiology</i> , 2016, 39, 122-131.	2.8	40
10	Molecular analysis of SCARECROW genes expressed in white lupin cluster roots. <i>Journal of Experimental Botany</i> , 2010, 61, 1351-1363.	4.8	38
11	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
12	Genomic characterization of Ensifer aridi, a proposed new species of nitrogen-fixing rhizobium recovered from Asian, African and American deserts. <i>BMC Genomics</i> , 2017, 18, 85.	2.8	34
13	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 ETQq1 1 01784314 1848 /Over	2.8	34
14	Osmoadaptative responses in the rhizobia nodulating <i>Acacia</i> isolated from south-eastern Moroccan Sahara. <i>Environmental Microbiology</i> , 2007, 9, 603-611.	3.8	33
15	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
16	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
17	Transcriptome Changes in <i>Hirschfeldia incana</i> in Response to Lead Exposure. <i>Frontiers in Plant Science</i> , 2015, 6, 1231.	3.6	31
18	Wide crosses of durum wheat ( <i>Triticum durum</i> Desf.) reveal good disease resistance, yield stability, and industrial quality across Mediterranean sites. <i>Field Crops Research</i> , 2017, 214, 219-227.	5.1	31

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19	Loci Controlling Adaptation to Heat Stress Occurring at the Reproductive Stage in Durum Wheat. <i>Agronomy</i> , 2019, 9, 414.	3.0	31
20	Evaluation of durum wheat lines derived from interspecific crosses under drought and heat stress. <i>Crop Science</i> , 2021, 61, 119-136.	1.8	30
21	In-depth characterization of bacterial and archaeal communities present in the abandoned Kettara pyrrhotite mine tailings (Morocco). <i>Extremophiles</i> , 2017, 21, 671-685.	2.3	29
22	Evaluation of genetic variability of sorghum ( <i>Sorghum bicolor</i> L. Moench) in northwestern Morocco by ISSR and RAPD markers. <i>Comptes Rendus - Biologies</i> , 2007, 330, 789-797.	0.2	28
23	Diversity of rotavirus strains circulating in children under 5 years of age admitted to hospital for acute gastroenteritis in Morocco, June 2006 to May 2009. <i>Journal of Medical Virology</i> , 2013, 85, 354-362.	5.0	26
24	Molecular Typing of Mycobacterium Tuberculosis Complex by 24-Locus Based MIRU-VNTR Typing in Conjunction with Spoligotyping to Assess Genetic Diversity of Strains Circulating in Morocco. <i>PLoS ONE</i> , 2015, 10, e0135695.	2.5	25
25	Prospecting metal-tolerant rhizobia for phytoremediation of mining soils from Morocco using <i>Anthyllis vulneraria</i> L. <i>Environmental Science and Pollution Research</i> , 2015, 22, 4500-4512.	5.3	24
26	Combining QTL Analysis and Genomic Predictions for Four Durum Wheat Populations Under Drought Conditions. <i>Frontiers in Genetics</i> , 2020, 11, 316.	2.3	24
27	Évaluation de la contamination par les éléments-traces métalliques dans une zone minière du Maroc oriental*. <i>Cahiers Agricultures</i> , 2010, 19, 273-279.	0.9	24
28	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
29	The Genotypic Population Structure of Mycobacterium tuberculosis Complex from Moroccan Patients Reveals a Predominance of Euro-American Lineages. <i>PLoS ONE</i> , 2012, 7, e47113.	2.5	22
30	Inter simple sequence repeat markers to assess genetic diversity of the desert date ( <i>Balanites</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	3.3	22
31	Assessment of genetic diversity and population structure of an endemic Moroccan tree ( <i>Argania</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 302 Molecular Biology of Plants, 2017, 23, 651-661.	3.1	21
32	Reusing phosphate sludge enriched by phosphate solubilizing bacteria as biofertilizer: Growth promotion of <i>Zea Mays</i> . <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 30, 101825.	3.1	21
33	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
34	A new rapid and micro-scale hydrolysis, using triethylamine citrate, for lipopolysaccharide characterization by mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2043-2048.	1.5	19
35	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
36	Real-Time PCR for Measles Virus Detection on Clinical Specimens with Negative IgM Result in Morocco. <i>PLoS ONE</i> , 2016, 11, e0147154.	2.5	17

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37	Extensively drug-resistant tuberculosis (XDR-TB) in Morocco. <i>Journal of Global Antimicrobial Resistance</i> , 2017, 11, 75-80.	2.2	15
38	Heat Tolerance of Durum Wheat ( <i>Triticum durum</i> Desf.) Elite Germplasm Tested along the Senegal River. <i>Journal of Agricultural Science</i> , 2018, 10, 217.	0.2	14
39	<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
40	Diversity and spatial genetic structure of natural Moroccan <i>Quercus suber</i> L. assessed by ISSR markers for conservation. <i>Physiology and Molecular Biology of Plants</i> , 2018, 24, 643-654.	3.1	13
41	Using chlorophyll fluorescence, photosynthetic enzymes and pigment composition to discriminate drought-tolerant ecotypes of <i>Argania spinosa</i> . <i>Plant Biosystems</i> , 2018, 152, 356-367.	1.6	13
42	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
43	Phytochemicals, Antioxidant Activity and Ethnobotanical Uses of <i>Balanites aegyptiaca</i> (L.) Del. Fruits from the Arid Zone of Mauritania, Northwest Africa. <i>Plants</i> , 2020, 9, 401.	3.5	12
44	Assessment of Drought and Heat Tolerance of Durum Wheat Lines Derived from Interspecific Crosses Using Physiological Parameters and Stress Indices. <i>Agronomy</i> , 2021, 11, 695.	3.0	12
45	Assessment of Genetic Diversity and Symbiotic Efficiency of Selected Rhizobia Strains Nodulating Lentil ( <i>Lens culinaris</i> Medik.). <i>Plants</i> , 2021, 10, 15.	3.5	12
46	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
47	Durum Wheat Breeding: In the Heat of the Senegal River. <i>Agriculture (Switzerland)</i> , 2018, 8, 99.	3.1	11
48	Traits discovery in <i>Hordeum vulgare</i> sbsp. <i>spontaneum</i> accessions and in lines derived from interspecific crosses with wild <i>Hordeum</i> species for enhancing barley breeding efforts. <i>Crop Science</i> , 2021, 61, 219-233.	1.8	11
49	Contribution of Wild Relatives to Durum Wheat ( <i>Triticum turgidum</i> subsp. <i>durum</i> ) Yield Stability across Contrasted Environments. <i>Agronomy</i> , 2021, 11, 1992.	3.0	11
50	Local genetic structure and worldwide phylogenetic position of symbiotic <i>Rhizobium leguminosarum</i> strains associated with a traditional cultivated crop, <i>Vicia ervilia</i> , from Northern Morocco. <i>Systematic and Applied Microbiology</i> , 2016, 39, 409-417.	2.8	10
51	Analysis of isoniazid and rifampicin resistance in <i>Mycobacterium tuberculosis</i> isolates in Morocco using GenoType® MTBDRplus assay. <i>Journal of Global Antimicrobial Resistance</i> , 2018, 12, 197-201.	2.2	10
52	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
53	Hospitalizations and Deaths Associated with Diarrhea and Respiratory Diseases among Children Aged 0-5 Years in a Referral Hospital of Mauritania. <i>Tropical Medicine and Infectious Disease</i> , 2018, 3, 103.	2.3	9
54	Analysis of dendrometric diversity among natural populations of cork oak ( <i>Quercus suber</i> L.) from Morocco. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2016, 40, 127-135.	2.1	8

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55	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
56	In-Vitro Plant Growth Promotion of Rhizobium Strains Isolated from Lentil Root Nodules under Abiotic Stresses. <i>Agronomy</i> , 2020, 10, 1006.	3.0	8
57	Selection of Cocoa Tree (&lt;i&gt;Theobroma cacao&lt;/i&gt; Linn) Endophytic Bacteria Solubilizing Tri-Calcium Phosphate, Isolated from Seedlings Grown on Soils of Six Producing Regions of C&amp;ocirc;te dâ€™Ivoire. <i>Advances in Microbiology</i> , 2019, 09, 842-852.	0.6	8
58	In Vitro Antibacterial Activity of <i>Myrtus communis</i> L. and <i>Marrubium vulgare</i> L. Leaves against <i>Aggregatibacter actinomycetemcomitans</i> and <i>Eikenella corrodens</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-8.	1.2	7
59	Diversity and bioprospecting for industrial hydrolytic enzymes of microbial communities isolated from deserted areas of south-east Morocco. <i>AIMS Microbiology</i> , 2022, 8, 5-25.	2.2	7
60	Genetic diversity of Moroccan bitter vetch <i>Vicia ervilia</i> (L.) Willd. landraces revealed by morphological and SSR markers. <i>Australian Journal of Crop Science</i> , 2016, 10, 717-725.	0.3	6
61	<i>In Silico</i> development of new SSRs primer for aquaporin linked to drought tolerance in plants. <i>Plant Signaling and Behavior</i> , 2018, 13, e1536630.	2.4	6
62	Physiological and Biochemical Mechanisms of Drought Stress Tolerance in the Argan Tree. , 2018, , 311-322.		6
63	<i>Astragalus algarbiensis</i> is nodulated by the <i>genistearum</i> symbiovar of <i>Bradyrhizobium</i> spp. in Morocco. <i>Systematic and Applied Microbiology</i> , 2019, 42, 440-447.	2.8	6
64	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
65	Assessment and modeling using machine learning of resistance to scald ( <i>Rhynchosporium commune</i> ) in two specific barley genetic resources subsets. <i>Scientific Reports</i> , 2021, 11, 15967.	3.3	6
66	<i>Phytophthora palmivora</i> : A New Pathogen of Olive Trees in Morocco. <i>Atlas Journal of Biology</i> , 2013, 2, 130-135.	0.1	6
67	Assessment of Genetic Diversity of <i>Argania spinosa</i> L. Growing in Arid and Semi-arid Areas of Morocco as Revealed by Inter-Simple Sequence Repeats. <i>Journal of Agricultural Science and Technology B</i> , 2015, 5, .	0.1	6
68	Degradation of p53 by HPV16-E6 variants isolated from cervical cancer specimens of Moroccan women. <i>Gene</i> , 2021, 791, 145709.	2.2	5
69	Effects of a Composite Endomycorrhizal Inoculum on Olive Cuttings under the Greenhouse Conditions. <i>International Journal of Environment Agriculture and Biotechnology</i> , 2017, 2, 1070-1083.	0.1	5
70	Antimicrobial resistance in <i>Salmonella enterica</i> serovar Enteritidis in Morocco. <i>Journal of Infection in Developing Countries</i> , 2010, 4, 804-809.	1.2	5
71	Phenolic Compounds Quantification, Antioxidant and Antibacterial Activities of Different Parts of <i>Urtica</i> <i>dioica</i> and <i>Chenopodium</i> <i>murale</i>. <i>Research Journal of Pharmacy and Technology</i> , 2018, 11, 5490.	0.8	5
72	Reduction of hospitalizations with diarrhea among children aged 0â€“5â€”years in Nouakchott, Mauritania, following the introduction of rotavirus vaccine. <i>Vaccine</i> , 2019, 37, 1407-1411.	3.8	4

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73	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
74	Induction of early oxidative events in mycorrhizal olive tree in response to <i>Verticillium</i> wilt. Archives of Phytopathology and Plant Protection, 2021, 54, 1323-1345.	1.3	4
75	Chickpea ( <i>Cicer arietinum</i> ) is nodulated by unexpected wide diversity of <i>Mesorhizobium</i> species in Eastern Algeria. Archives of Agronomy and Soil Science, 2018, 64, 285-297.	2.6	3
76	Draft Genome Sequence of <i>Stenotrophomonas maltophilia</i> MDMC339, Isolated from Soil of Merzouga Desert in Morocco. Microbiology Resource Announcements, 2020, 9, .	0.6	3
77	Phosphate sludge: opportunities for use as a fertilizer in deficient.. Detritus, 2021, , 82-93.	0.9	3
78	Antibacterial activity of plant extracts against periodontal pathogens: A systematic review. Journal of Herbal Medicine, 2021, 29, 100493.	2.0	3
79	Patterns of Genetic Diversity and Structure at Fine Scale of an Endangered Moroccan Endemic Tree (&#x2014;&#x2014; <i>Argania spinosa</i> L. Skeels) Based on ISSR Polymorphism. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2015, 43, .	1.1	3
80	Phytophthora palmivora: A New Pathogen of Olive Trees in Morocco. Atlas Journal of Biology, 2017, 2, 130-135.	0.1	3
81	Detection of grain yield QTLs in the durum population Lahn/Cham1 tested in contrasting environments. Turkish Journal of Biology, 2021, 45, 65-78.	0.8	2
82	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. Acta Biologica Szegediensis, 2021, 64, 221-232.	0.3	2
83	Ensifer aridi LMR001T Symbiosis and Tolerance to Stress Do Not Require the Alternative Sigma Factor RpoE2. Agronomy, 2021, 11, 1787.	3.0	2
84	Prevalence of Hepatitis B Virus Infection Markers among Patients of the Ibn Sina University Hospital Center (Rabat, Morocco). Intervirology, 2022, 65, 80-86.	2.8	2
85	Identification of G2607A mutation in EGFR gene with a significative rate in Moroccan patients with Bladder Cancer. Cellular and Molecular Biology, 2017, 63, 75-81.	0.9	2
86	A Review on the Root System of Argania spinosa. Current Agriculture Research Journal, 2020, 8, 07-17.	0.1	2
87	Using two retrotransposon-based marker systems (SRAP and REMAP) for genetic diversity analysis of Moroccan Argan tree. Molecular Biology Research Communications, 2020, 9, 93-103.	0.3	2
88	Knowledge, Attitude, and Practices (KAP) Regarding Meat Safety and Sanitation among Carcass Handlers Operating and Assessment of Bacteriological Quality of Meat Contact Surfaces at the Marrakech Slaughterhouse, Morocco. International Journal of Food Science, 2022, 2022, 1-8.	2.0	2
89	Response of Indigenous Rhizobia to the Inoculation of Soybean [ <i>Glycine max</i> (L.) Merrill] Varieties Cultivated under Controlled Conditions in C&#x2014;Ivoire. Advances in Microbiology, 2020, 10, 110-122.	0.6	1
90	Genetic diversity of ten Moroccan populations of <i>Tetraclinis articulata</i> as revealed by Inter Simple Sequence Repeat (ISSR) markers. Bois Et Forets Des Tropiques, 0, 345, 15-25.	0.2	1

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91	Analysis of Ensifer aridi Mutants Affecting Regulation of Methionine, Trehalose, and Inositol Metabolisms Suggests a Role in Stress Adaptation and Symbiosis Development. <i>Microorganisms</i> , 2022, 10, 298.	3.6	1
92	Diversity analysis of Aegilops species from Morocco using RAPD markers. <i>Genetic Resources and Crop Evolution</i> , 2011, 58, 271-282.	1.6	0
93	Screening of Endophytic Bacteria Associated with Ceratonia siliqua L. Plant Using Molecular Marker Repetitive Extragenic Palindromic (Rep)-PCR. , 2015, 5, 043-051.		0
94	Use of a combined cultural-molecular method for isolation and identification of Campylobacter from broiler chicken in Morocco. <i>African Journal of Microbiology Research</i> , 2017, 11, 296-305.	0.4	0
95	Follow-up of a Composite Endomycorrhizal Inoculum in the Rhizosphere of Olive Plants, Analysis after 42 Months of Culture. <i>Annual Research &amp; Review in Biology</i> , 2018, 22, 1-18.	0.4	0
96	Evaluation of TERT promoter mutations in tumor biopsies and urine sediment of Moroccan bladder cancer patients. <i>Annals of Cancer Research and Therapy</i> , 2022, 30, 1-7.	0.3	0