

Othmane Merah

List of Publications by Year in descending order

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90
papers

3,271
citations

159585

30
h-index

161849

54
g-index

91
all docs

91
docs citations

91
times ranked

3708
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphology, composition, production, processing and applications of <i>Chlorella vulgaris</i> : A review. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 35, 265-278.	16.4	669
2	Aqueous extraction of proteins from microalgae: Effect of different cell disruption methods. <i>Algal Research</i> , 2014, 3, 61-65.	4.6	256
3	Effect of drought on leaf gas exchange, carbon isotope discrimination, transpiration efficiency and productivity in field grown durum wheat genotypes. <i>Plant Science</i> , 2006, 170, 867-872.	3.6	143
4	QTLs for grain carbon isotope discrimination in field-grown barley. <i>Theoretical and Applied Genetics</i> , 2002, 106, 118-126.	3.6	122
5	The Apiaceae: Ethnomedicinal family as source for industrial uses. <i>Industrial Crops and Products</i> , 2017, 109, 661-671.	5.2	116
6	QTLs for agronomic traits from a Mediterranean barley progeny grown in several environments. <i>Theoretical and Applied Genetics</i> , 2001, 103, 774-787.	3.6	109
7	Grain yield, carbon isotope discrimination, mineral and silicon content in durum wheat under different precipitation regimes. <i>Physiologia Plantarum</i> , 1999, 107, 387-394.	5.2	76
8	Potential importance of water status traits for durum wheat improvement under Mediterranean conditions. <i>Journal of Agricultural Science</i> , 2001, 137, 139-145.	1.3	75
9	Fennel oil and by-products seed characterization and their potential applications. <i>Industrial Crops and Products</i> , 2018, 111, 92-98.	5.2	61
10	Stability of Carbon Isotope Discrimination and Grain Yield in Durum Wheat. <i>Crop Science</i> , 2001, 41, 677-681.	1.8	58
11	Genetic analysis of agronomic and quality traits in mustard (<i>Brassica juncea</i>). <i>Theoretical and Applied Genetics</i> , 2004, 109, 792-799.	3.6	49
12	Sterol content in sunflower seeds (<i>Helianthus annuus</i> L.) as affected by genotypes and environmental conditions. <i>Food Chemistry</i> , 2010, 121, 990-995.	8.2	49
13	Biochemical Composition of Cumin Seeds, and Biorefining Study. <i>Biomolecules</i> , 2020, 10, 1054.	4.0	47
14	Genetic analysis of phytosterol content in sunflower seeds. <i>Theoretical and Applied Genetics</i> , 2012, 125, 1589-1601.	3.6	45
15	Effect of Salinity and Water Stress on the Essential Oil Components of Rosemary (<i>Rosmarinus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 3.0 44	3.0	44
16	Ash content might predict carbon isotope discrimination and grain yield in durum wheat. <i>New Phytologist</i> , 2001, 149, 275-282.	7.3	43
17	Relationships between flag leaf carbon isotope discrimination and several morpho-physiological traits in durum wheat genotypes under Mediterranean conditions. <i>Environmental and Experimental Botany</i> , 2001, 45, 63-71.	4.2	41
18	Characterization of French Coriander Oil as Source of Petroselinic Acid. <i>Molecules</i> , 2016, 21, 1202.	3.8	40

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19	The potency of lemon (<i>CitrusÂlimon</i> L.) essential oil to control some fungal diseases of grapevine wood. <i>Comptes Rendus - Biologies</i> , 2018, 341, 97-101.	0.2	39
20	Phenol Content and Antioxidant and Antiaging Activity of Safflower Seed Oil (<i>Carthamus Tinctorius</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.3	39
21	Relationships between carbon isotope discrimination, dry matter production, and harvest index in durum wheat. <i>Journal of Plant Physiology</i> , 2001, 158, 723-729.	3.5	37
22	Effects of genotype and sowing date on phytostanolâ€“phytosterol content and agronomic traits in wheat under organic agriculture. <i>Food Chemistry</i> , 2009, 117, 219-225.	8.2	36
23	Sterol concentration and distribution in sunflower seeds (<i>Helianthus annuus</i> L.) during seed development. <i>Food Chemistry</i> , 2010, 119, 1451-1456.	8.2	36
24	Apiaceae as an Important Source of Antioxidants and Their Applications. <i>Cosmetics</i> , 2021, 8, 111.	3.3	35
25	Effect of Glauconsness on Carbon Isotope Discrimination and Grain Yield in Durum Wheat. <i>Journal of Agronomy and Crop Science</i> , 2000, 185, 259-265.	3.5	34
26	Association between Yield and Carbon Isotope Discrimination Value in Different Organs of Durum Wheat Under Drought. <i>Journal of Agronomy and Crop Science</i> , 2002, 188, 426-434.	3.5	34
27	Contribution of Different Organs to Grain Filling in Durum Wheat under Mediterranean Conditions I. Contribution of Postâ€“Anthesis Photosynthesis and Remobilization. <i>Journal of Agronomy and Crop Science</i> , 2015, 201, 344-352.	3.5	33
28	Antioxidant and Antimicrobial Activities of the Essential Oil of <i>Achillea millefolium</i> L. Grown in France. <i>Medicines (Basel, Switzerland)</i> , 2017, 4, 30.	1.4	32
29	Seaweeds as a Source of Functional Proteins. <i>Phycology</i> , 2022, 2, 216-243.	3.6	32
30	Applications of Starch Biopolymers for a Sustainable Modern Agriculture. <i>Sustainability</i> , 2022, 14, 6085.	3.2	32
31	Single Cell Protein Production Using Different Fruit Waste: A Review. <i>Separations</i> , 2022, 9, 178.	2.4	32
32	Extraction of Coriander Oil Using Twinâ€“Screw Extrusion: Feasibility Study and Potential Press Cake Applications. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2015, 92, 1219-1233.	1.9	31
33	<i>Pistacia Atlantica</i> Desf., a Source of Healthy Vegetable Oil. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2552.	2.5	31
34	Evaluation of Nutritional and Technological Attributes of Whole Wheat Based Bread Fortified with Chia Flour. <i>Foods</i> , 2018, 7, 135.	4.3	30
35	Protein Bread Fortification with Cumin and Caraway Seeds and By-Product Flour. <i>Foods</i> , 2018, 7, 28.	4.3	30
36	Oil and fatty acid accumulation during coriander (<i>Coriandrum sativum</i> L.) fruit ripening under organic cultivation. <i>Crop Journal</i> , 2015, 3, 366-369.	5.2	29

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37	Carbon Isotope Discrimination and Productivity in Field-Grown Barley Genotypes. <i>Journal of Agronomy and Crop Science</i> , 2001, 187, 33-39.	3.5	27
38	Performance, durability and recycling of thermoplastic biocomposites reinforced with coriander straw. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 113, 254-263.	7.6	26
39	Effect of Sowing Dates on Fatty Acids and Phytosterols Patterns of <i>Carthamus tinctorius</i> L.. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2839.	2.5	26
40	Productivity and carbon isotope discrimination in durum wheat organs under a Mediterranean climate. <i>Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie</i> , 2001, 324, 51-57.	0.8	24
41	VOC and carbonyl compound emissions of a fiberboard resulting from a coriander biorefinery: comparison with two commercial wood-based building materials. <i>Environmental Science and Pollution Research</i> , 2020, 27, 16121-16133.	5.3	24
42	Impact of Thermomechanical Fiber Pre-Treatment Using Twin-Screw Extrusion on the Production and Properties of Renewable Binderless Coriander Fiberboards. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1539.	4.1	23
43	Fatty acid and phytosterol accumulation during seed development in three oilseed species. <i>International Journal of Food Science and Technology</i> , 2016, 51, 1820-1826.	2.7	22
44	Genetic Variability in Glucosinolates in Seed of <i>Brassica juncea</i> : Interest in Mustard Condiment. <i>Journal of Chemistry</i> , 2015, 2015, 1-6.	1.9	18
45	Essential Oil of <i>Citrus aurantium</i> L. Leaves: Composition, Antioxidant Activity, Elastase and Collagenase Inhibition. <i>Agronomy</i> , 2022, 12, 1466.	3.0	18
46	Impact of water deficit intensity on durum wheat seminal roots. <i>Comptes Rendus - Biologies</i> , 2005, 328, 918-927.	0.2	17
47	New Renewable and Biodegradable Fiberboards from a Coriander Press Cake. <i>Journal of Renewable Materials</i> , 2016, 4, 225-238.	2.2	17
48	Effect of Vermicompost Tea on Faba Bean Growth and Yield. <i>Compost Science and Utilization</i> , 2018, 26, 279-285.	1.2	17
49	Participation of Green Organs to Grain Filling in <i>Triticum turgidum</i> var durum Grown under Mediterranean Conditions. <i>International Journal of Molecular Sciences</i> , 2018, 19, 56.	4.1	17
50	Fatty acid composition and oil content during coriander fruit development. <i>Food Chemistry</i> , 2020, 326, 127034.	8.2	17
51	Effect of Salt Stress on α -amylase Activity, Sugars Mobilization and Osmotic Potential of <i>Phaseolus vulgaris</i> L. Seeds Var. "Cocorose"™ and "Djadida"™ During Germination. <i>Journal of Biological Sciences</i> , 2014, 14, 370-375.	0.3	17
52	Effects of Genotype and Climatic Conditions on the Oil Content and Its Fatty Acids Composition of <i>Carthamus tinctorius</i> L. Seeds. <i>Agronomy</i> , 2021, 11, 2048.	3.0	17
53	Optimization of thermopressing conditions for the production of binderless boards from a coriander twin-screw extrusion cake. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	16
54	Carbon Isotope Discrimination and Grain Yield Variations among Tetraploid Wheat Species Cultivated under Contrasting Precipitation Regimes. <i>Journal of Agronomy and Crop Science</i> , 2001, 186, 129-134.	3.5	15

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55	Occurrence of Botryosphaeriaceae species associated with grapevine dieback in Algeria. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2014, 38, 865-876.	2.1	15
56	Characterization of volatile organic compound emissions from self-bonded boards resulting from a coriander biorefinery. Industrial Crops and Products, 2018, 122, 57-65.	5.2	15
57	In Vitro and In Vivo Antifungal Activities of Nine Commercial Essential Oils against Brown Rot in Apples. Horticulturae, 2021, 7, 545.	2.8	15
58	Effects of Rice Husk Biochar Coated Urea and Anaerobically Digested Rice Straw Compost on the Soil Fertility, and Cyclic Effect of Phosphorus. Plants, 2022, 11, 75.	3.5	14
59	Carbon isotope discrimination and mineral composition of three organs in durum wheat genotypes grown under Mediterranean conditions. Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie, 2001, 324, 355-363.	0.8	13
60	Early water-deficit effects on seminal roots morphology in barley. Comptes Rendus - Biologies, 2004, 327, 389-398.	0.2	13
61	Phytochemical Profile, Antioxidant and Antitumor Activities of Green Grape Juice. Processes, 2020, 8, 507.	2.8	12
62	Apiaceae Family as a Valuable Source of Biocidal Components and their Potential Uses in Agriculture. Horticulturae, 2022, 8, 614.	2.8	12
63	Psophocarpus tetragonolobus: An Underused Species with Multiple Potential Uses. Plants, 2020, 9, 1730.	3.5	11
64	Essential oil composition of <i>Myrrhis odorata</i> (L.) Scop. leaves grown in Lithuania and France. Journal of Essential Oil Research, 2013, 25, 44-48.	2.7	10
65	Genetic Variation in Damaged Populations of <i>Pistacia atlantica</i> Desf.. Plants, 2020, 9, 1541.	3.5	10
66	Effect of phenological stages on essential oil composition of <i>Cytisus triflorus</i> L'Her. Journal of King Saud University - Science, 2020, 32, 2383-2387.	3.5	10
67	Effects of technical management on the fatty-acid composition of high-oleic and high-linoleic sunflower cultivars. OCL - Oilseeds and Fats, Crops and Lipids, 2016, 23, D502.	1.4	8
68	Tetraploid Wheats: Valuable Source of Phytosterols and Phytostanols. Agronomy, 2019, 9, 201.	3.0	8
69	Effect of Addition of Fennel (<i>Foeniculum vulgare</i> L.) on the Quality of Protein Bread. Proceedings of the Latvian Academy of Sciences, 2017, 71, 509-514.	0.1	8
70	Chemical Composition of the Essential Oil of <i>Satureja myrtifolia</i> (Boiss. & Hohen.) from Lebanon. Journal of Essential Oil-bearing Plants: JEOP, 2015, 18, 248-254.	1.9	7
71	Pomegranate Juice Extract Decreases Cisplatin Toxicity on Peripheral Blood Mononuclear Cells. Medicines (Basel, Switzerland), 2020, 7, 66.	1.4	7
72	Nutritional Content and Antioxidant Capacity of the Seed and the Epicarp in Different Ecotypes of <i>Pistacia atlantica</i> Desf. Subsp. <i>atlantica</i> . Plants, 2020, 9, 1065.	3.5	7

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73	Control of Post-harvest Citrus Green Mold using <i>Ulva lactuca</i> Extracts as a Source of Active Substances. <i>International Journal of Bio-resource and Stress Management</i> , 2020, 11, 287-296.	0.2	7
74	Accumulation during fruit development of components of interest in seed of Chia (<i>Salvia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 50.	1.4	6
75	Carbon isotope discrimination, leaf characteristics and grain yield of interspecific wheat lines and their durum parents under Mediterranean conditions. <i>Cereal Research Communications</i> , 2001, 29, 143-149.	1.6	6
76	STUDY OF SEED DORMANCY ORIGINS IN THREE ATLAS PISTACHIO ECOTYPES (<i>PISTACIA ATLANTICA</i> DESF.). <i>Applied Ecology and Environmental Research</i> , 2019, 17, .	0.5	6
77	Aqueous Integrated Process for the Recovery of Oil Bodies or Fatty Acid Emulsions from Sunflower Seeds. <i>Biomolecules</i> , 2022, 12, 149.	4.0	6
78	Managing agroecosystems for food and nutrition security. <i>Current Research in Environmental Sustainability</i> , 2022, 4, 100127.	3.5	6
79	Nutritional Composition and Antioxidant Activity of Selected Underutilized Fruits Grown in Sri Lanka. <i>Agronomy</i> , 2022, 12, 1073.	3.0	5
80	Potency of Combining <i>Eucalyptus camaldulensis</i> subsp. <i>camaldulensis</i> with Low-Dose Cisplatin in A549 Human Lung Adenocarcinomas and MCF-7 Breast Adenocarcinoma. <i>Medicines (Basel, Switzerland)</i> , 2020, 7, 40.	1.4	4
81	Low-Density Insulation Blocks and Hardboards from Amaranth (<i>Amaranthus cruentus</i>) Stems, a New Perspective for Building Applications. <i>Coatings</i> , 2021, 11, 349.	2.6	4
82	Evaluating morphological variability of <i>Artemisia herba-alba</i> Asso from western Algeria. <i>Journal of Fundamental and Applied Sciences</i> , 2017, 9, 509.	0.2	3
83	Aqueous Extract of Algerian Nettle (<i>Urtica dioica</i> L.) as Possible Alternative Pathway to Control Some Plant Diseases. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2021, 45, 463-468.	1.5	3
84	Introducing "Anthropocene Science": A New International Journal for Addressing Human Impact on the Resilience of Planet Earth. <i>Anthropocene Science</i> , 2022, 1, 1-4.	2.9	3
85	Toxicity Evaluation of <i>Dittrichia Viscosa</i> L's Aqueous Extracts in Combination with Bio-Adjuvant <i>Silene Fuscata</i> on <i>Chaitophorus Leucomelas</i> Koch. (Hom., Aphididae) and on Biocenotic Resumption of Functional Groups = $\emptyset^a\bar{U}, \emptyset^-\bar{U}\bar{S}\emptyset_{\pm} \emptyset^3\bar{U}... \bar{U}\bar{S}\emptyset \emptyset \emptyset\bar{U}, \bar{U}... \emptyset^3\emptyset^a\emptyset^{\oplus}\bar{U}, \emptyset_{\mu}\emptyset\bar{S}\emptyset^a \emptyset\bar{U}, \bar{U}... \emptyset\bar{S}\emptyset \bar{U}\bar{S}\emptyset \emptyset \bar{U}, \emptyset^{\oplus}\bar{U}$, <i>Erchfildia Viscosa</i> $\emptyset^{\oplus}\bar{U}, \emptyset^{\oplus}\bar{U}$	0.1	3
86	Is crop breeding the first step to fill the yield gap?. <i>SÃ©cheresse</i> , 2013, 24, 254-260.	0.1	2
87	Contribution of Current Photosynthesis and Reserves Remobilization in Grain Filling and Its Composition of Durum Wheat Under Different Water Regimes. <i>Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis</i> , 2020, 68, 937-945.	0.4	2
88	Chemical composition and biological activity of <i>Foeniculum vulgare</i> oilseed. <i>Inform</i> , 2018, 29, 27-29.	0.1	2
89	Seasonal Dimorphism of the Desert Locust in Agricultural Areas in the Sahara. <i>African Entomology</i> , 2010, 18, 313-321.	0.6	1
90	Innovative Insulating Materials from Coriander (<i>Coriandrum sativum</i> L.) Straw for Building Applications. <i>Journal of Agricultural Studies</i> , 2020, 8, 1.	0.1	1