L CustÃ³dio

List of Publications by Year
in descending order

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Version: 2024-02-01

117	3,408	147566	174990
papers	citations	31 h-index	52 g-index

119	119	119	4579
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyunsaturated Fatty Acids of Marine Macroalgae: Potential for Nutritional and Pharmaceutical Applications. Marine Drugs, 2012, 10, 1920-1935.	2.2	252
2	Alternative Sources of n-3 Long-Chain Polyunsaturated Fatty Acids in Marine Microalgae. Marine Drugs, 2013, 11, 2259-2281.	2.2	236
3	Halophytes: Gourmet food with nutritional health benefits?. Journal of Food Composition and Analysis, 2017, 59, 35-42.	1.9	127
4	Microplate-based high throughput screening procedure for the isolation of lipid-rich marine microalgae. Biotechnology for Biofuels, 2011, 4, 61.	6.2	122
5	Microalgae of different phyla display antioxidant, metal chelating and acetylcholinesterase inhibitory activities. Food Chemistry, 2012, 131, 134-140.	4.2	91
6	Phenolic composition, antioxidant potential and in vitro inhibitory activity of leaves and acorns of Quercus suber on key enzymes relevant for hyperglycemia and Alzheimer's disease. Industrial Crops and Products, 2015, 64, 45-51.	2.5	80
7	In vitro antioxidant and anti-inflammatory properties of Limonium algarvense flowersâ€™ infusions and decoctions: A comparison with green tea (Camellia sinensis). Food Chemistry, 2016, 200, 322-329.	4.2	78
8	Euphorbia denticulata Lam.: A promising source of phyto-pharmaceuticals for the development of novel functional formulations. Biomedicine and Pharmacotherapy, 2017, 87, 27-36.	2.5	76
9	Maritime Halophyte Species from Southern Portugal as Sources of Bioactive Molecules. Marine Drugs, 2014, 12, 2228-2244.	2.2	72
10	Unravelling the antioxidant potential and the phenolic composition of different anatomical organs of the marine halophyte Limonium algarvense. Industrial Crops and Products, 2015, 77, 315-322.	2.5	67
11	Fatty acid composition and biological activities of Isochrysis galbana T-ISO, Tetraselmis sp. and Scenedesmus sp.: possible application in the pharmaceutical and functional food industries. Journal of Applied Phycology, 2014, 26, 151-161.	1.5	66
12	Searching for new sources of innovative products for the food industry within halophyte aromatic plants: InÂvitro antioxidant activity and phenolic and mineral contents of infusions and decoctions of Crithmum maritimum L.. Food and Chemical Toxicology, 2017, 107, 581-589.	1.8	65
13	Phytochemical Profile, Antioxidant and Cytotoxic Activities of the Carob Tree (Ceratonia siliqua L.) Germ Flour Extracts. Plant Foods for Human Nutrition, 2011, 66, 78-84.	1.4	64
14	Euphorbia-Derived Natural Products with Potential for Use in Health Maintenance. Biomolecules, 2019, 9, 337.	1.8	64
15	Isolation and Fatty Acid Profile of Selected Microalgae Strains from the Red Sea for Biofuel Production. Energies, 2013, 6, 2773-2783.	1.6	56
16	Natural products from extreme marine environments: Searching for potential industrial uses within extremophile plants. Industrial Crops and Products, 2016, 94, 299-307.	2.5	56
17	Isololiolide, a carotenoid metabolite isolated from the brown alga Cystoseira tamariscifolia, is cytotoxic and able to induce apoptosis in hepatocarcinoma cells through caspase-3 activation, decreased Bcl-2 levels, increased p53 expression and PARP cleavage. Phytomedicine, 2016, 23, 550-557.	2.3	55
18	Scrophularia lucida L. as a valuable source of bioactive compounds for pharmaceutical applications: In vitro antioxidant, anti-inflammatory, enzyme inhibitory properties, in silico studies, and HPLC profiles. Journal of Pharmaceutical and Biomedical Analysis, 2019, 162, 225-233.	1.4	55

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19	Antioxidant and Cytotoxic Activities of Carob Tree Fruit Pulps Are Strongly Influenced by Gender and Cultivar. Journal of Agricultural and Food Chemistry, 2011, 59, 7005-7012.	2.4	53
20	Novel approach to bis(indolyl)methanes: De novo synthesis of 1-hydroxyiminomethyl derivatives with anti-cancer properties. European Journal of Medicinal Chemistry, 2015, 93, 9-15.	2.6	45
21	Combination of phenolic profiles, pharmacological properties and in silico studies to provide new insights on Silene salsuginea from Turkey. Computational Biology and Chemistry, 2018, 77, 178-186.	1.1	45
22	Biological Activities and Chemical Composition of Methanolic Extracts of Selected Autochthonous Microalgae Strains from the Red Sea. Marine Drugs, 2015, 13, 3531-3549.	2.2	44
23	Isolation of a euryhaline microalgal strain, Tetraselmis sp. CTP4, as a robust feedstock for biodiesel production. Scientific Reports, 2016, 6, 35663.	1.6	44
24	Chemical profile, antioxidant, antimicrobial, enzyme inhibitory, and cytotoxicity of seven Apiaceae species from Turkey: A comparative study. Industrial Crops and Products, 2020, 153, 112572.	2.5	42
25	Chemical profiling of infusions and decoctions of Helichrysum italicum subsp. picardii by UHPLC-PDA-MS and in vitro biological activities comparatively with green tea (Camellia sinensis) and rooibos tisane (Aspalathus linearis). Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 593-603.	1.4	39
26	Methanol extracts from Cystoseira tamariscifolia and Cystoseira nodicaulis are able to inhibit cholinesterases and protect a human dopaminergic cell line from hydrogen peroxide-induced cytotoxicity. Pharmaceutical Biology, 2016, 54, 1687-1696.	1.3	38
27	Novel in vitro and in silico insights of the multi-biological activities and chemical composition of Bidens tripartita L.. Food and Chemical Toxicology, 2018, 111, 525-536.	1.8	38
28	Antileishmanial activity of meroditerpenoids from the macroalgae Cystoseira baccata. Experimental Parasitology, 2017, 174, 1-9.	0.5	35
29	Biochemical profile and in vitro neuroprotective properties of Carpobrotus edulis L., a medicinal and edible halophyte native to the coast of South Africa. South African Journal of Botany, 2017, 111, 222-231.	1.2	35
30	The marine halophytes Carpobrotus edulis L. and Arthrocnemum macrostachyum L. are potential sources of nutritionally important PUFAs and metabolites with antioxidant, metal chelating and anticholinesterase inhibitory activities. Botanica Marina, 2012, 55, 281-288.	0.6	34
31	Can macroalgae provide promising anti-tumoral compounds? A closer look atCystoseira tamariscifoliaas a source for antioxidant and anti-hepatocarcinoma compounds. PeerJ, 2016, 4, e1704.	0.9	33
32	Unlocking the in vitro anti-inflammatory and antidiabetic potential of Polygonum maritimum. Pharmaceutical Biology, 2017, 55, 1348-1357.	1.3	33
33	Phytochemical characterization and bioactivities of five Apiaceae species: Natural sources for novel ingredients. Industrial Crops and Products, 2019, 135, 107-121.	2.5	33
34	Extracts from Quercus sp. acorns exhibit in vitro neuroprotective features through inhibition of cholinesterase and protection of the human dopaminergic cell line SH-SY5Y from hydrogen peroxide-induced cytotoxicity. Industrial Crops and Products, 2013, 45, 114-120.	2.5	32
35	A Comparative Study of the in Vitro Antimicrobial and Synergistic Effect of Essential Oils from Laurus nobilis L. and Prunus armeniaca L. from Morocco with Antimicrobial Drugs: New Approach for Health Promoting Products. Antibiotics, 2020, 9, 140.	1.5	32
36	In vitroantioxidant and inhibitory activity of water decoctions of carob tree (Ceratonia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 2155-2159.	1.0	31

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37	Botryococcus braunii and Nannochloropsis oculata extracts inhibit cholinesterases and protect human dopaminergic SH-SY5Y cells from H2O2-induced cytotoxicity. Journal of Applied Phycology, 2015, 27, 839-848.	1.5	31
38	Health promoting potential of herbal teas and tinctures from Artemisia campestris subsp. maritima: from traditional remedies to prospective products. Scientific Reports, 2018, 8, 4689.	1.6	31
39	Microsporogenesis and anther culture in carob tree (Ceratonia siliqua L.). Scientia Horticulturae, 2005, 104, 65-77.	1.7	30
40	Analysis of the Volatiles Emitted by Whole Flowers and Isolated Flower Organs of the Carob Tree Using HS-SPME-GC/MS. Journal of Chemical Ecology, 2006, 32, 929-942.	0.9	30
41	Fatty acid profile of different species of algae of the Cystoseira genus: a nutraceutical perspective. Natural Product Research, 2015, 29, 1264-1270.	1.0	30
42	First report of the nutritional profile and antioxidant potential of Holothuria arguinensis, a new resource for aquaculture in Europe. Natural Product Research, 2016, 30, 2034-2040.	1.0	28
43	Exploring the halophyte Cistanche phelypaea (L.) Cout as a source of health promoting products: In vitro antioxidant and enzyme inhibitory properties, metabolomic profile and computational studies. Journal of Pharmaceutical and Biomedical Analysis, 2019, 165, 119-128.	1.4	28
44	Antioxidant activity andin vitroinhibition of tumor cell growth by leaf extracts from the carob tree (Ceratonia siliqua). Pharmaceutical Biology, 2009, 47, 721-728.	1.3	27
45	In vitro and in silico approaches to appraise Polygonum maritimum L. as a source of innovative products with anti-ageing potential. Industrial Crops and Products, 2018, 111, 391-399.	2.5	26
46	Phenolic Profile, Toxicity, Enzyme Inhibition, In Silico Studies, and Antioxidant Properties of Cakile maritima Scop. (Brassicaceae) from Southern Portugal. Plants, 2020, 9, 142.	1.6	26
47	Influence of Sugars on in vitro Rooting and Acclimatization of Carob Tree. Biologia Plantarum, 2004, 48, 469-472.	1.9	23
48	Combination of hyaluronic acid and PLGA particles as hybrid systems for viscosupplementation in osteoarthritis. International Journal of Pharmaceutics, 2019, 559, 13-22.	2.6	22
49	Sustainable Valorization of Halophytes from the Mediterranean Area: A Comprehensive Evaluation of Their Fatty Acid Profile and Implications for Human and Animal Nutrition. Sustainability, 2019, 11, 2197.	1.6	22
50	A first glance into the nutritional properties of the sea cucumber Parastichopus regalis from the Mediterranean Sea (SE Spain). Natural Product Research, 2018, 32, 116-120.	1.0	21
51	Sea knotgrass (Polygonum maritimum L.) as a potential source of innovative industrial products for skincare applications. Industrial Crops and Products, 2019, 128, 391-398.	2.5	21
52	<scp>In vitro</scp> Antitumoral Activity of Compounds Isolated from <scp>Artemisia gorgonum</scp> Webb. Phytotherapy Research, 2014, 28, 1329-1334.	2.8	20
53	Exploring Ulva australis Areschoug for possible biotechnological applications: In vitro antioxidant and enzymatic inhibitory properties, and fatty acids contents. Algal Research, 2020, 50, 101980.	2.4	20
54	Coupling sea lavender (Limonium algarvense Erben) and green tea (Camellia sinensis (L.) Kuntze) to produce an innovative herbal beverage with enhanced enzymatic inhibitory properties. South African Journal of Botany, 2019, 120, 87-94.	1.2	19

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55	If you cannot beat them, join them: Exploring the fruits of the invasive species Carpobrotus edulis (L.) N.E. Br as a source of bioactive products. Industrial Crops and Products, 2020, 144, 112005.	2.5	19
56	Further Evidence of Possible Therapeutic Uses of Sambucus nigra L. Extracts by the Assessment of the In Vitro and In Vivo Anti-Inflammatory Properties of Its PLGA and PCL-Based Nanoformulations. Pharmaceutics, 2020, 12, 1181.	2.0	19
57	Headspace-SPME of in vitro shoot-cultures and micropropagated plants of Lavandula viridis. Biologia Plantarum, 2008, 52, 133-136.	1.9	18
58	A new insight into the influence of habitat on the biochemical properties of three commercial sea cucumber species. International Aquatic Research, 2018, 10, 361-373.	1.5	18
59	Profiling of antioxidant potential and phytoconstituents of Plantago coronopus. Brazilian Journal of Biology, 2017, 77, 632-641.	0.4	17
60	Synchronous insight of in vitro and in vivo biological activities of Sambucus nigra L. extracts for industrial uses. Industrial Crops and Products, 2020, 154, 112709.	2.5	17
61	Chemical characterization, cytotoxic, antioxidant, antimicrobial, and enzyme inhibitory effects of different extracts from one sage (Salvia ceratophyllaL.) from Turkey: open a new window on industrial purposes. RSC Advances, 2021, 11, 5295-5310.	1.7	17
62	A comparative study on biological properties and chemical profiles of different solvent extracts from Centaurea bingoelensis, an endemic plant of Turkey. Process Biochemistry, 2021, 102, 315-324.	1.8	17
63	Sea rose (Armeria pungens (Link) Hoffmanns. & Link) as a potential source of innovative industrial products for anti-ageing applications. Industrial Crops and Products, 2018, 121, 250-257.	2.5	16
64	New insights into the chemical profiling, cytotoxicity and bioactivity of four Bunium species. Food Research International, 2019, 123, 414-424.	2.9	16
65	A comparative study of the in vitro enzyme inhibitory and antioxidant activities of Butea monosperma (Lam.) Taub. and Sesbania grandiflora (L.) Poiret from Pakistan: New sources of natural products for public health problems. South African Journal of Botany, 2019, 120, 146-156.	1.2	16
66	Growth performance, in vitro antioxidant properties and chemical composition of the halophyte Limonium algarvense Erben are strongly influenced by the irrigation salinity. Industrial Crops and Products, 2020, 143, 111930.	2.5	16
67	Insight into the biological properties and phytochemical composition of Ballota macrodonta Boiss. et Balansa, â€" an endemic medicinal plant from Turkey. Industrial Crops and Products, 2018, 113, 422-428.	2.5	15
68	Greener Is Better: First Approach for the Use of Natural Deep Eutectic Solvents (NADES) to Extract Antioxidants from the Medicinal Halophyte Polygonum maritimum L.. Molecules, 2021, 26, 6136.	1.7	15
69	A Review on Sarcocornia Species: Ethnopharmacology, Nutritional Properties, Phytochemistry, Biological Activities and Propagation. Foods, 2021, 10, 2778.	1.9	15
70	A comparative evaluation of biological activities and bioactive compounds of the seagrasses Zostera marina and Zostera noltei from southern Portugal. Natural Product Research, 2016, 30, 724-728.	1.0	14
71	The irrigation salinity and harvesting affect the growth, chemical profile and biological activities of Polygonum maritimum L.. Industrial Crops and Products, 2019, 139, 111510.	2.5	14
72	Unravelling the potential of the medicinal halophyte Eryngium maritimum L.: In vitro inhibition of diabetes-related enzymes, antioxidant potential, polyphenolic profile and mineral composition. South African Journal of Botany, 2019, 120, 204-212.	1.2	14

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73	New Insight into the Chemical Composition, Antimicrobial and Synergistic Effects of the Moroccan Endemic Thymus atlanticus (Ball) Roussine Essential Oil in Combination with Conventional Antibiotics. Molecules, 2021, 26, 5850.	1.7	14
74	Assessment and comparison of the properties of biodiesel synthesized from three different types of wet microalgal biomass. Journal of Applied Phycology, 2016, 28, 1571-1578.	1.5	13
75	Chemical Profiling and Biological Evaluation of Nepeta baytopii Extracts and Essential Oil: An Endemic Plant from Turkey. Plants, 2021, 10, 1176.	1.6	13
76	Natural products from marine invertebrates against Leishmania parasites: a comprehensive review. Phytochemistry Reviews, 2016, 15, 663-697.	3.1	12
77	Juncaceae species as sources of innovative bioactive compounds for the food industry: InÂvitro antioxidant activity, neuroprotective properties and in silico studies. Food and Chemical Toxicology, 2017, 107, 590-596.	1.8	12
78	First report of the in vitro antileishmanial properties of extremophile plants from the Algarve Coast. Natural Product Research, 2018, 32, 600-604.	1.0	12
79	Sex and developmental stage of carob flowers affects composition of volatiles. Journal of Horticultural Science and Biotechnology, 2004, 79, 689-692.	0.9	11
80	Unlocking the inÂvitro anti-Trypanosoma cruzi activity of halophyte plants from the southern Portugal. Asian Pacific Journal of Tropical Medicine, 2016, 9, 735-741.	0.4	11
81	How Could Halophytes Provide a Sustainable Alternative to Achieve Food Security in Marginal Lands?. , 2019, , 259-270.		11
82	Metabolomic Profile and Biological Properties of Sea Lavender (Limonium algarvense Erben) Plants Cultivated with Aquaculture Wastewaters: Implications for Its Use in Herbal Formulations and Food Additives. Foods, 2021, 10, 3104.	1.9	11
83	Floral Analysis and Seasonal Dynamics of Mineral Levels in Carob Tree Leaves. Journal of Plant Nutrition, 2007, 30, 739-753.	0.9	10
84	Proximate biochemical composition and mineral content of edible species from the genus Cystoseira in Portugal. Botanica Marina, 2016, .	0.6	10
85	Exploring Caralluma europaea (Guss.) N.E.Br. as a potential source of bioactive molecules: In vitro antioxidant and antidiabetic properties, and phenolic profile of crude extracts and fractions. Industrial Crops and Products, 2019, 139, 111527.	2.5	10
86	A systematic review on the ethnoveterinary uses of mediterranean salt-tolerant plants: Exploring its potential use as fodder, nutraceuticals or phytotherapeutics in ruminant production. Journal of Ethnopharmacology, 2021, 267, 113464.	2.0	10
87	Seasonal Variations of the Nutritive Value and Phytotherapeutic Potential of Cladium mariscus L. (Pohl.) Targeting Ruminantâ€™s Production. Plants, 2021, 10, 556.	1.6	10
88	Total Phenolic Levels, In Vitro Antioxidant Properties, and Fatty Acid Profile of Two Microalgae, Tetraselmis marina Strain IMA043 and Naviculoid Diatom Strain IMA053, Isolated from the North Adriatic Sea. Marine Drugs, 2022, 20, 207.	2.2	9
89	Deeper Insights on Alchornea cordifolia (Schumach. & Thonn.) MÃ¼ll.Arg Extracts: Chemical Profiles, Biological Abilities, Network Analysis and Molecular Docking. Biomolecules, 2021, 11, 219.	1.8	8
90	Marine Natural Products as a Promising Source of Therapeutic Compounds to Target Cancer Stem Cells. Current Medicinal Chemistry, 2021, 28, 4343-4355.	1.2	8

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91	Disclosing the bioactive metabolites involved in the in vitro anthelmintic effects of salt-tolerant plants through a combined approach using PVPP and HPLC-ESI-MSn. Scientific Reports, 2021, 11, 24303.	1.6	8
92	The Medicinal Halophyte Frankenia laevis L. (Sea Heath) Has In Vitro Antioxidant Activity, Î±-Glucosidase Inhibition, and Cytotoxicity towards Hepatocarcinoma Cells. Plants, 2022, 11, 1353.	1.6	8
93	Medicinal Effects of Microalgae-Derived Fatty Acids. , 2015, , 209-231.		7
94	Microalgae-based unsaponifiable matter as source of natural antioxidants and metal chelators to enhance the value of wet Tetraselmis chuii biomass. Open Chemistry, 2016, 14, 299-307.	1.0	7
95	In Vitro Anti-Trypanosoma cruzi Activity of Halophytes from Southern Portugal Reloaded: A Special Focus on Sea Fennel (Crithmum maritimum L.). Plants, 2021, 10, 2235.	1.6	7
96	Seagrass debris as potential food source to enhanceHolothuria arguinensis' growth in aquaculture. Aquaculture Research, 2020, 51, 1487-1499.	0.9	6
97	Chemical Composition, Antibacterial Screening and Cytotoxic Activity of Chiliadenus antiatlanticus (Asteraceae) Essential Oil. Chemistry and Biodiversity, 2021, 18, e2100115.	1.0	6
98	Bursatella leachiifrom Mar Menor as a Source of Bioactive Molecules: Preliminary Evaluation of the Nutritional Profile,In VitroBiological Activities, and Fatty Acids Contents. Journal of Aquatic Food Product Technology, 2017, 26, 1337-1350.	0.6	5
99	Antitubercular and anti-inflammatory properties screening of natural products from Plectranthus species. Future Medicinal Chemistry, 2018, 10, 1677-1691.	1.1	5
100	Report of in vitro antileishmanial properties of Iberian macroalgae. Natural Product Research, 2019, 33, 1778-1782.	1.0	5
101	In vitro and in silico approaches to unveil the mechanisms underlying the cytotoxic effect of juncunol on human hepatocarcinoma cells. Pharmacological Reports, 2018, 70, 896-899.	1.5	4
102	In vitro enzyme inhibitory and anti-oxidant properties, cytotoxicity and chemical composition of the halophyte Malcolmia littorea (L.) R.Br. (Brassicaceae). Natural Product Research, 2021, 35, 4753-4756.	1.0	4
103	Exploring the Biotechnological Value of Marine Invertebrates: A Closer Look at the Biochemical and Antioxidant Properties of Sabella spallanzanii and Microcosmus squamiger. Animals, 2021, 11, 3557.	1.0	4
104	Dietary Natural Plant Extracts Can Promote Growth and Modulate Oxidative Status of Senegalese Sole Postlarvae under Standard/Challenge Conditions. Animals, 2021, 11, 1398.	1.0	3
105	QUANTIFICATION OF POLYPHENOLS IN CAROB TREE (CERATONIA SILIQUA L.) FRUITS AND LEAVES IN PORTUGUESE CULTIVARS. Acta Horticulturae, 2009, , 503-506.	0.1	2
106	Dataset on functional and chemical properties of the medicinal halophyte Polygonum maritimum L. under greenhouse cultivation. Data in Brief, 2019, 25, 104357.	0.5	2
107	In vitro antimicrobial and synergistic effect of essential oil from the red macroalgae Centroceras clavulatum (C. Agardh) Montagne with conventional antibiotics. Asian Pacific Journal of Tropical Biomedicine, 2021, 11, 414.	0.5	2
108	Brown macroalgae produce anti-leukemia compounds. Planta Medica, 2012, 78, .	0.7	2

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109	Antiproliferative and apoptotic activities of extracts from carob tree (Ceratonia siliqua L.) in MDA-MB-231 human breast cancer cells. Planta Medica, 2008, 74, .	0.7	2
110	Chemical Composition and Biological Screening of the Essential Oils of Micromeria macrosiphon and M. arganietorum (Lamiaceae). Chemistry and Biodiversity, 2021, 18, e2100653.	1.0	2
111	Impact of Seasonal and Organ-Related Fluctuations on the Anthelmintic Properties and Chemical Profile of Cladium mariscus (L.) Pohl Extracts. Frontiers in Plant Science, 0, 13, .	1.7	2
112	IN VITRO MORPHOGENESIS IN ZYGOTIC EMBRYO CULTURES OF CAROB TREE (CERATONIA SILIQUA L.). Acta Horticulturae, 2006, , 477-482.	0.1	1
113	In Vitro Enzyme Inhibitory and Antioxidant Properties, Cytotoxicity, and LC-DAD-ESI-MS/MS Profile of Extracts from the Halophyte Lotus creticus L.. Jundishapur Journal of Natural Pharmaceutical Products, 2021, 16, .	0.3	1
114	Evaluation of the antimalarial activity of extracts of carob tree (Ceratonia siliqua L.). Planta Medica, 2008, 74, .	0.7	1
115	Shining the spotlight on NMR metabolic profiling and bioactivities of different solvent extracts of Piliostigma thonningii. Food Bioscience, 2022, 47, 101760.	2.0	1
116	STUDY OF THE ANTIOXIDANT ACTIVITY OF EXTRACTS FROM CAROB TREE (CERATONIA SILIQUA L.). Acta Horticulturae, 2009, , 507-510.	0.1	0
117	CRYOPRESERVATION OF POLLEN OF CAROB TREE. Acta Horticulturae, 2006, , 863-868.	0.1	0