Jalloul Bouajila

List of Publications by Year
in descending order

110	4,198	109137 35	128067 60
papers	citations	h-index	g-index

112	112	112	5953
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Understanding Kombucha Tea Fermentation: A Review. Journal of Food Science, 2018, 83, 580-588.	1.5	286
2	Plant antimicrobial polyphenols as potential natural food preservatives. Journal of the Science of Food and Agriculture, 2019, 99, 1457-1474.	1.7	271
3	Chemical Composition and Antimicrobial and Antioxidant Activities ofâ€,Menthaâ€,(longifoliaâ€,L. andâ€,viridis) Essential Oils. Journal of Food Science, 2009, 74, M358-63.	1.5	182
4	Chemical Composition and Anticancer and Antioxidant Activities ofâ€,Schinus Molleâ€,L. andâ€,Schinusâ€,Terebinthifoliusâ€,Raddi Berries Essential Oils. Journal of Food Science, 2010, 75, C466-72.	1.5	168
5	Composition and anti-oxidant, anti-cancer and anti-inflammatory activities of Artemisia herba-alba, Ruta chalpensis L. and Peganum harmala L.. Food and Chemical Toxicology, 2013, 55, 202-208.	1.8	154
6	Assessment of antioxidant, anti-inflammatory, anti-cholinesterase and cytotoxic activities of pomegranate (Punica granatum) leaves. Food and Chemical Toxicology, 2013, 55, 470-475.	1.8	137
7	Eucalyptus oleosa Essential Oils: Chemical Composition and Antimicrobial and Antioxidant Activities of the Oils from Different Plant Parts (Stems, Leaves, Flowers and Fruits). Molecules, 2011, 16, 1695-1709.	1.7	131
8	Oregano: Chemical Analysis and Evaluation of Its Antimalarial, Antioxidant, and Cytotoxic Activities. Journal of Food Science, 2011, 76, C512-8.	1.5	122
9	Impact of fermentation conditions on the production of bioactive compounds with anticancer, anti-inflammatory and antioxidant properties in kombucha tea extracts. Process Biochemistry, 2019, 83, 44-54.	1.8	111
10	Some laws of a lignin plasticization. Journal of Applied Polymer Science, 2006, 102, 1445-1451.	1.3	106
11	Chemical composition and anticancer, antiinflammatory, antioxidant and antimalarial activities of leaves essential oil of Cedrelopsis grevei. Food and Chemical Toxicology, 2013, 56, 352-362.	1.8	102
12	Metabolome-microbiome signatures in the fermented beverage, Kombucha. International Journal of Food Microbiology, 2020, 333, 108778.	2.1	94
13	Chemical Composition and Antimicrobial and Antioxidant Activities of Essential Oils and Various Extracts ofâ€,Juniperus phoeniceaâ€,L. (Cupressacees). Journal of Food Science, 2009, 74, M364-71.	1.5	74
14	Lignin plasticization to improve binderless fiberboard mechanical properties. Polymer Engineering and Science, 2005, 45, 809-816.	1.5	66
15	Synthesis of new isoxazoline derivatives from harmine and evaluation of their anti-Alzheimer, anti-cancer and anti-inflammatory activities. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 371-376.	2.5	63
16	Salvia officinalis essential oil: Chemical analysis and evaluation of anti-enzymatic and antioxidant bioactivities. South African Journal of Botany, 2019, 120, 253-260.	1.2	63
17	Pomegranate (Punica granatum) Juices: Chemical Composition, Micronutrient Cations, and Antioxidant Capacity. Journal of Food Science, 2011, 76, C795-800.	1.5	62
18	Chemical composition and biological activities of extracts and essential oil of Boswellia dalzielii leaves. Pharmaceutical Biology, 2017, 55, 33-42.	1.3	62

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19	Helichrysum gymnocephalum Essential Oil: Chemical Composition and Cytotoxic, Antimalarial and Antioxidant Activities, Attribution of the Activity Origin by Correlations. Molecules, 2011, 16, 8273-8291.	1.7	59
20	Chemical Composition and in vitro Antimicrobial and Antioxidant Activities of Citrus aurantium L. Flowers Essential Oil (Neroli Oil). Pakistan Journal of Biological Sciences, 2012, 15, 1034-1040.	0.2	59
21	Recent advances in amino acid analysis by capillary electrophoresis. Electrophoresis, 2012, 33, 14-35.	1.3	57
22	Antioxidant, 5-Lipoxygenase Inhibitory and Cytotoxic Activities of Compounds Isolated from the Ferula lutea Flowers. Molecules, 2014, 19, 16959-16975.	1.7	57
23	Chemical Composition and Antioxidant, Anti-Inflammatory, and Antiproliferation Activities of Pomegranate (Punica granatum) Flowers. Journal of Medicinal Food, 2013, 16, 544-550.	0.8	54
24	Insights into the redox cycle of human quinone reductase 2. Free Radical Research, 2011, 45, 1184-1195.	1.5	53
25	Chemical composition, biological and cytotoxic activities of Cistus salviifolius flower buds and leaves extracts. Industrial Crops and Products, 2015, 76, 1100-1105.	2.5	52
26	Synthesis and biological evaluation of novel pyrazolopyrimidines derivatives as anticancer and anti-5-lipoxygenase agents. Bioorganic Chemistry, 2016, 66, 160-168.	2.0	51
27	Kombucha fermentation of African mustard (Brassica tournefortii) leaves: Chemical composition and bioactivity. Food Bioscience, 2019, 30, 100414.	2.0	51
28	Comparison of different methods for extraction from Tetraclinis articulata: Yield, chemical composition and antioxidant activity. Food Chemistry, 2013, 141, 3537-3545.	4.2	49
29	Synthesis and Antiplasmodial Activity of New Indolone N-Oxide Derivatives. Journal of Medicinal Chemistry, 2010, 53, 699-714.	2.9	48
30	Determination of non-steroidal anti-inflammatory drugs in pharmaceuticals and human serum by dual-mode gradient HPLC and fluorescence detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 857, 59-66.	1.2	47
31	Amelioration of Prallethrin-Induced Oxidative Stress and Hepatotoxicity in Rat by the Administration ofOriganum majoranaEssential Oil. BioMed Research International, 2013, 2013, 1-11.	0.9	46
32	Season's Variation Impact on Citrus aurantium Leaves Essential Oil: Chemical Composition and Biological Activities. Journal of Food Science, 2012, 77, T173-80.	1.5	43
33	Efficiency of the optimized microwave assisted extractions on the yield, chemical composition and biological activities of Tunisian Rosmarinus officinalis L. essential oil. Food and Bioproducts Processing, 2017, 105, 224-233.	1.8	43
34	PreliminaryIn VitroandIn VivoEvaluation of Antidiabetic Activity ofDucrosia anethifoliaBoiss. and Its Linear Furanocoumarins. BioMed Research International, 2014, 2014, 1-13.	0.9	39
35	Essential Oil of Thymus capitatus Hoff. et Link. from Matmata, Tunisia: Gas Chromatography-Mass Spectrometry Analysis and Antimicrobial and Antioxidant Activities. Journal of Medicinal Food, 2010, 13, 1500-1504.	0.8	38
36	Global Chemical Composition and Antioxidant and Anti-Tuberculosis Activities of Various Extracts of Globularia alypum L. (Globulariaceae) Leaves. Molecules, 2011, 16, 10592-10603.	1.7	37

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37	The influence of organ, season and drying method on chemical composition and antioxidant and antimicrobial activities of Juniperus phoenicea L. essential oils. Journal of the Science of Food and Agriculture, 2010, 90, 462-470.	1.7	36
38	Chemical Composition and in Vitro Evaluation of the Antioxidant and Antimicrobial Activities of Eucalyptus gillii Essential Oil and Extracts. Molecules, 2012, 17, 9540-9558.	1.7	36
39	Phytochemical composition, protective and therapeutic effect on gastric ulcer and Î±-amylase inhibitory activity of Achillea biebersteinii Afan.. Archives of Pharmacal Research, 2016, 39, 10-20.	2.7	34
40	Chemical study, antimalarial and antioxidant activities, and cytotoxicity to human breast cancer cells (MCF7) of Argania spinosa. Phytomedicine, 2010, 17, 157-160.	2.3	33
41	Synthesis of novel diazaphosphinanes coumarin derivatives with promoted cytotoxic and anti-tyrosinase activities. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 2450-2454.	1.0	31
42	Î±-Phenyl-N-tert-butyl nitrone (PBN) derivatives: Synthesis and protective action against microvascular damages induced by ischemia/reperfusion. Bioorganic and Medicinal Chemistry, 2007, 15, 3572-3578.	1.4	30
43	Supercritical CO2 extraction of Tetraclinis articulata: Chemical composition, antioxidant activity and mathematical modeling. Journal of Supercritical Fluids, 2013, 82, 72-82.	1.6	30
44	Antioxidant activity and hepatoprotective potential of Cedrelopsis grevei on cypermethrin induced oxidative stress and liver damage in male mice. BMC Complementary and Alternative Medicine, 2015, 15, 251.	3.7	30
45	Chemical Composition, Biological and Cytotoxic Activities of Plant Extracts and Compounds Isolated from Ferula lutea. Molecules, 2014, 19, 2733-2747.	1.7	29
46	Chemical Study and Antimalarial, Antioxidant, and Anticancer Activities ofMelaleuca armillaris(Sol Ex Gateau) Sm Essential Oil. Journal of Medicinal Food, 2011, 14, 1383-1388.	0.8	28
47	Preservation of fresh ground beef patties using plant extracts combined with a modified atmosphere packaging. European Food Research and Technology, 2017, 243, 1997-2009.	1.6	28
48	GC/MS analysis and antimicrobial and antioxidant activities of essential oil of Eucalyptus radiata. Journal of the Science of Food and Agriculture, 2009, 89, 1292-1297.	1.7	26
49	Eucalyptus (gracilis, oleosa, salubris, and salmonophloia) Essential Oils: Their Chemical Composition and Antioxidant and Antimicrobial Activities. Journal of Medicinal Food, 2010, 13, 1005-1012.	0.8	26
50	Enhanced solvent-free microwave extraction of Foeniculum vulgare Mill. essential oil seeds using double walled reactor. Arabian Journal of Chemistry, 2019, 12, 3863-3870.	2.3	26
51	In vitro anti-cholinesterase and anti-hyperglycemic activities of flowers extracts from seven pomegranate varieties. Industrial Crops and Products, 2016, 81, 176-179.	2.5	24
52	Very small injected samples to study chloroquine and quinine in human serum using capillary-LC and native fluorescence. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 850, 481-487.	1.2	22
53	Comparison between Supercritical CO₂ Extraction and Hydrodistillation for Two Species of Eucalyptus: Yield, Chemical Composition, and Antioxidant Activity. Journal of Food Science, 2013, 78, C667-72.	1.5	22
54	Synthesis of a Series of Î³-Keto Allyl Phosphonates. Journal of Organic Chemistry, 2016, 81, 1757-1761.	1.7	22

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55	LCâ€“MS analysis, anticancer, antioxidant and antimalarial activities of Cynodon dactylon L. extracts. Industrial Crops and Products, 2013, 45, 240-247.	2.5	21
56	Chemical Composition and In Vitro Evaluation of Antimicrobial, Antioxidant and Antigerminative Properties of the Seed Oil from the Tunisian Endemic Ferula tunetana <scp>Pomel</scp> ex <scp>Batt</scp>.. Chemistry and Biodiversity, 2017, 14, e1600116.	1.0	20
57	African mustard (Brassica tournefortii) as source of nutrients and nutraceuticals properties. Journal of Food Science, 2020, 85, 1856-1871.	1.5	20
58	Antifungal and Antiaflatoxinogenic Effects of Cymbopogon citratus, Cymbopogon nardus, and Cymbopogon schoenanthus Essential Oils Alone and in Combination. Journal of Fungi (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 617	1.6	20
59	Influence of the Process, Season, and Origin on Volatile Composition and Antioxidant Activity ofâ€,Juniperus phoeniceaâ€,L. Leaves Essential Oils. Journal of Food Science, 2011, 76, C224-30.	1.5	18
60	Relation between Chemical Composition or Antioxidant Activity and Antihypertensive Activity for Six Essential Oils. Journal of Food Science, 2012, 77, H184-91.	1.5	18
61	Synthesis of New Harmine Isoxazoles and Evaluation of their Potential Anti-Alzheimer, Anti-inflammatory, and Anticancer Activities. Medicinal Chemistry, 2016, 12, 184-190.	0.7	18
62	Synthesis, cytotoxic, anti-lipoxygenase and anti-acetylcholinesterase capacities of novel derivatives from harmine. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 23-33.	2.5	18
63	The impact of regional locality on chemical composition, anti-oxidant and biological activities of Thymelaea hirsuta L. extracts. Phytomedicine, 2018, 41, 13-23.	2.3	17
64	Two new unusual monoterpene acid glycosides from Acacia cyclops with potential cytotoxic activity. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3777-3781.	1.0	15
65	Phenyllactic Acid Produced by Geotrichum candidum Reduces Fusarium sporotrichioides and F. langsethiae Growth and T-2 Toxin Concentration. Toxins, 2020, 12, 209.	1.5	15
66	Antimutagenic Effect of Origanum majorana L. Essential Oil Against Prallethrin-Induced Genotoxic Damage in Rat Bone Marrow Cells. Journal of Medicinal Food, 2013, 16, 1101-1107.	0.8	14
67	A new sesquiterpene lactone and seco guaianolides from Achillea cretica L. growing in Tunisia. Industrial Crops and Products, 2015, 77, 735-740.	2.5	14
68	Fatty acid composition, cytotoxicity and anti-inflammatory evaluation of melon (Cucumis melo L.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 53, 2622-2627.	1.3	13
69	Physicochemical properties of bacterial cellulose obtained from different Kombucha fermentation conditions. Journal of Vinyl and Additive Technology, 2021, 27, 183-190.	1.8	13
70	Synthesis of new halogenated flavonoid-based isoxazoles: in vitro and in silico evaluation of a-amylase inhibitory potential, a SAR analysis and DFT studies. Journal of Molecular Structure, 2022, 1247, 131379.	1.8	13
71	Determination of free amino acids in African gourd seed milks by capillary electrophoresis with lightâ€emitting diode induced fluorescence and laserâ€induced fluorescence detection. Electrophoresis, 2013, 34, 2632-2638.	1.3	12
72	Phytochemical and phytotoxic investigation of the flowers from Citharexylum spinosum L.. Industrial Crops and Products, 2015, 76, 653-659.	2.5	12

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73	Teucrium ramosissimum (Lamiaceae): Volatile Composition, Seasonal Variation, and Pharmaceutical Activity. Analytical Letters, 2016, 49, 1258-1271.	1.0	12
74	Synthesis, molecular properties, anti-inflammatory and anticancer activities of novel 3-hydroxyflavone derivatives. Bioorganic Chemistry, 2019, 89, 103009.	2.0	12
75	CO2 enrichment: Enhancing antioxidant, antibacterial and anticancer activities in Arthrospira platensis. Food Bioscience, 2020, 35, 100575.	2.0	12
76	Phytochemical Composition, Antioxidant, Antiacetylcholinesterase, and Cytotoxic Activities of Rumex crispus L.. International Journal of Analytical Chemistry, 2021, 2021, 1-16.	0.4	12
77	Biological activities and chemical characterization of the Lebanese endemic plant Origanum ehrenbergii Boiss. Flavour and Fragrance Journal, 2021, 36, 339-351.	1.2	12
78	Chemical composition and in vitro evaluation of antimicrobial and anti-acetylcholinesterase properties of the flower oil of Ferula lutea. Natural Product Communications, 2012, 7, 947-50.	0.2	12
79	Synthesis and evaluation of chromone-2-carboxamide derivatives as cytotoxic agents and 5-lipoxygenase inhibitors. Medicinal Chemistry Research, 2016, 25, 2547-2556.	1.1	11
80	Effect of interactions of plant phenolics with bovine meat proteins on their antibacterial activity. Food Control, 2018, 90, 189-198.	2.8	11
81	Cytotoxicity of new secondary metabolites, fatty acids and tocols composition of seeds of Ducrosia anethifolia (DC.) Boiss. Natural Product Research, 2019, 33, 708-714.	1.0	10
82	Study on the Chemical Composition and the Biological Activities of Vitis vinifera Stem Extracts. Molecules, 2022, 27, 3109.	1.7	10
83	Chemical Composition and Behavioral Effects of Five Plant Essential Oils on the Green Pea Aphid Acyrthosiphon pisum (<scp>Harris</scp>) (Homoptera: Aphididae). Chemistry and Biodiversity, 2017, 14, e1600464.	1.0	9
84	Synthesis of new anticancer and anti-inflammatory isoxazolines and aziridines from the natural (-)-deltoin. Journal of Pharmacy and Pharmacology, 2018, 70, 1700-1712.	1.2	9
85	Bioactive flavones isolated from Tunisian Artemisia campestris L. Leaves. Cellular and Molecular Biology, 2017, 63, 86-91.	0.3	9
86	Kombucha analogues around the world: A review. Critical Reviews in Food Science and Nutrition, 2023, 63, 10105-10129.	5.4	9
87	Development and Characterization of Novel Bigel-Based 1,4-Naphthoquinones for Topical Application with Antioxidant Potential. Arabian Journal for Science and Engineering, 2020, 45, 53-61.	1.7	8
88	Evaluation of in vitro biological activities: antioxidant; anti-inflammatory; anti-cholinesterase; anti-xanthine oxidase, anti-superoxyde dismutase, anti-ÃŽÂ±-glucosidase and cytotoxic of 19 bioflavonoids. Cellular and Molecular Biology, 2020, 66, 9-19.	0.3	8
89	Spectroscopic and chromatographic investigation of soil organic matter composition for different agrosystems from arid saline soils from Southeastern Tunisia. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	7
90	Clove Buds Essential Oil: The Impact of Grinding on the Chemical Composition and Its Biological Activities Involved in Consumerâ€™s Health Security. BioMed Research International, 2021, 2021, 1-11.	0.9	7

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91	New 1,2,3-triazole linked flavonoid conjugates: Microwave-assisted synthesis, cytotoxic activity and molecular docking studies. Journal of Molecular Structure, 2021, 1246, 131216.	1.8	7
92	Supercritical CO₂Extract and Essential Oil ofRuta chalepensisL. Growing in Tunisia: A Natural Source of Undecan-2-one. Analytical Chemistry Letters, 2012, 2, 290-300.	0.4	6
93	Design, synthesis of novel pyranotriazolopyrimidines and evaluation of their anti-soybean lipoxygenase, anti-xanthine oxidase, and cytotoxic activities. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1277-1285.	2.5	6
94	Deverra tortuosa (Desf.) DC from Saudi Arabia as a new source of marmin and furanocoumarins derivatives with Î±-glucosidase, antibacterial and cytotoxic activities. Heliyon, 2021, 7, e06656.	1.4	6
95	Eucalyptus brevifolia F. Muell and Eucalyptus stricklandii Maiden leaves extracts: HPLC-DAD, GC-MS analysis and in vitro biological activities, combined with the principal component analysis. South African Journal of Botany, 2022, 147, 826-839.	1.2	6
96	The Effect of Cultivar and Ripening on Antioxidant System and PAL Activity of Pomegranate (P) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	5
97	Palladium-catalyzed nucleophilic allylic substitution of Moritaâ€“Baylisâ€“Hillman adducts with enamines: Synthesis of 1,5-dicarbonyl compounds. Comptes Rendus Chimie, 2017, 20, 484-491.	0.2	5
98	New cytotoxic sesquiterpene lactones from Achillea cretica L. growing in Tunisia. Journal of Asian Natural Products Research, 2018, 20, 344-351.	0.7	5
99	The antioxidant 2,3â€dichloro,5,8â€dihydroxy,1,4â€naphthoquinone inhibits acetylâ€cholinesterase activity and amyloid Î²₄₂ aggregation: A dual target therapeutic candidate compound for the treatment of Alzheimer's disease. Biotechnology and Applied Biochemistry, 2020, 67, 983-990.	1.4	5
100	Two New Bioactive Biphenylpropanoids from the Roots of Salsola imbricata (Chenopodiaceae) Growing in Saudi Arabia. Oriental Journal of Chemistry, 2017, 33, 1871-1878.	0.1	4
101	Ruta chalepensisL. Essential Oil: Chemical Composition and Phytotoxic Activity. Journal of Biologically Active Products From Nature, 2012, 2, 341-352.	0.1	3
102	Phenolic Compounds of Rumex roseus L. Extracts and Their Effect as Antioxidant and Cytotoxic Activities. BioMed Research International, 2021, 2021, 1-10.	0.9	3
103	An Easy Efficient Method of Veterinary Drug Residue Analysis in Raw Milk by RP-HPLC-UV with Application to Raw Milk. Current Pharmaceutical Analysis, 2020, 16, 942-949.	0.3	3
104	Evaluation of in vitro biological activities: antioxidant; anti-inflammatory; anti-cholinesterase; anti-xanthine oxidase, anti-superoxyde dismutase, anti-Î±-glucosidase and cytotoxic of 19 bioflavonoids. Cellular and Molecular Biology, 2020, 66, 9-19.	0.3	3
105	Variation in chemical composition and biological properties of two Tunisian Eucalyptus essential oils under three eco-friendly extraction techniques. Journal of Essential Oil Research, 2022, 34, 36-53.	1.3	3
106	Staphylococcus aureus membrane-damaging activities of four phenolics. FEMS Microbiology Letters, 2021, 368, .	0.7	2
107	Synthesis of New Arylidene 2,5-Diketopiperazines and Evaluation of their Anti-Acetylcholinesterase, Anti-xanthine Oxidase, Anti-diabetic and Cytotoxic Activities. Medicinal Chemistry, 2017, 13, 744-752.	0.7	2
108	Phytochemical study and pharmaceutical properties of essential oils and organic extracts of two Eucalyptus species: E. stricklandii Maiden and E. brevifolia F.Muell. Journal of Essential Oil Research, 0, , 1-13.	1.3	2

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109	Elionurus tristis Essential Oil: GC-MS Analysis and Antioxidant and Antituberculosis Activities. Natural Product Communications, 2017, 12, 1934578X1701200.	0.2	1
110	Metabolites Profiling of Manilkara mabokeensis AubrÃ©v Bark and Investigation of Biological Activities. International Journal of Analytical Chemistry, 2022, 2022, 1-14.	0.4	0