

Andrei Mocan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103
papers

3,381
citations

35
h-index

52
g-index

115
ext. papers

4,495
ext. citations

5.7
avg, IF

5.58
L-index

#	Paper	IF	Citations
103	Berberine: Botanical Occurrence, Traditional Uses, Extraction Methods, and Relevance in Cardiovascular, Metabolic, Hepatic, and Renal Disorders. <i>Frontiers in Pharmacology</i> , 2018 , 9, 557	5.6	148
102	Cytotoxic and Enzyme Inhibitory Potential of Two species (L. and Willd.) and Their Chemical Composition. <i>Frontiers in Pharmacology</i> , 2017 , 8, 290	5.6	138
101	Functional constituents of wild and cultivated Goji (L. barbarum L.) leaves: phytochemical characterization, biological profile, and computational studies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017 , 32, 153-168	5.6	109
100	Polyphenolic content, antioxidant and antimicrobial activities of Lycium barbarum L. and Lycium chinense Mill. leaves. <i>Molecules</i> , 2014 , 19, 10056-73	4.8	106
99	Flavonoids and platelet aggregation: A brief review. <i>European Journal of Pharmacology</i> , 2017 , 807, 91-104	4.3	104
98	Anti-diabetic and anti-hyperlipidemic properties of Capparis spinosa L.: In vivo and in vitro evaluation of its nutraceutical potential. <i>Journal of Functional Foods</i> , 2017 , 35, 32-42	5.1	85
97	Natural Products to Counteract the Epidemic of Cardiovascular and Metabolic Disorders. <i>Molecules</i> , 2016 , 21,	4.8	81
96	Comparative studies on polyphenolic composition, antioxidant and antimicrobial activities of Schisandra chinensis leaves and fruits. <i>Molecules</i> , 2014 , 19, 15162-79	4.8	77
95	Determination of lignans and phenolic components of Schisandra chinensis (Turcz.) Baill. using HPLC-ESI-ToF-MS and HPLC-online TEAC: Contribution of individual components to overall antioxidant activity and comparison with traditional antioxidant assays. <i>Journal of Functional Foods</i> , 2016 , 21, 570-581	5.1	70
94	Oleanolic Acid Alters Multiple Cell Signaling Pathways: Implication in Cancer Prevention and Therapy. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	68
93	Euphorbia denticulata Lam.: A promising source of phyto-pharmaceuticals for the development of novel functional formulations. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 87, 27-36	7.5	64
92	Chemical composition and biological activities of extracts from three Salvia species: S. blepharochlaena, S. euphratica var. leiocalycina, and S. verticillata subsp. amasiaca. <i>Industrial Crops and Products</i> , 2018 , 111, 11-21	5.9	64
91	Significance of Microbiota in Obesity and Metabolic Diseases and the Modulatory Potential by Medicinal Plant and Food Ingredients. <i>Frontiers in Pharmacology</i> , 2017 , 8, 387	5.6	64
90	Pecan nuts: A review of reported bioactivities and health effects. <i>Trends in Food Science and Technology</i> , 2018 , 71, 246-257	15.3	64
89	Therapeutic role of sirtuins in neurodegenerative disease and their modulation by polyphenols. <i>Neuroscience and Biobehavioral Reviews</i> , 2017 , 73, 39-47	9	63
88	Chitosan nanoparticles having higher degree of acetylation induce resistance against pearl millet downy mildew through nitric oxide generation. <i>Scientific Reports</i> , 2018 , 8, 2485	4.9	62
87	Phytochemicals as potent modulators of autophagy for cancer therapy. <i>Cancer Letters</i> , 2018 , 424, 46-69	9.9	60

86	Biological and chemical insights of <i>Morina persica</i> L.: A source of bioactive compounds with multifunctional properties. <i>Journal of Functional Foods</i> , 2016 , 25, 94-109	5.1	58
85	Ethnopharmacological Approaches for Dementia Therapy and Significance of Natural Products and Herbal Drugs. <i>Frontiers in Aging Neuroscience</i> , 2018 , 10, 3	5.3	56
84	Comparative Studies on Polyphenolic Composition, Antioxidant and Diuretic Effects of <i>Nigella sativa</i> L. (Black Cumin) and <i>Nigella damascena</i> L. (Lady-in-a-Mist) Seeds. <i>Molecules</i> , 2015 , 20, 9560-74	4.8	55
83	UHPLC-QTOF-MS analysis of bioactive constituents from two Romanian Goji (<i>Lycium barbarum</i> L.) berries cultivars and their antioxidant, enzyme inhibitory, and real-time cytotoxicological evaluation. <i>Food and Chemical Toxicology</i> , 2018 , 115, 414-424	4.7	54
82	Phenolic compounds and biological effects of edible <i>Rumex scutatus</i> and <i>Pseudosempervivum sempervivum</i> : potential sources of natural agents with health benefits. <i>Food and Function</i> , 2016 , 7, 3252-62	6.1	51
81	Enzymatic assays and molecular modeling studies of <i>Schisandra chinensis</i> lignans and phenolics from fruit and leaf extracts. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 200-210	5.6	51
80	Shedding light on the biological and chemical fingerprints of three <i>Achillea</i> species (<i>A. biebersteinii</i> , <i>A. millefolium</i> and <i>A. teretifolia</i>). <i>Food and Function</i> , 2017 , 8, 1152-1165	6.1	49
79	Vascular smooth muscle cell proliferation as a therapeutic target. Part 1: molecular targets and pathways. <i>Biotechnology Advances</i> , 2018 , 36, 1586-1607	17.8	48
78	A comprehensive review on biological properties of citrinin. <i>Food and Chemical Toxicology</i> , 2017 , 110, 130-141	4.7	47
77	Phytopharmacology of Acerola (<i>Malpighia</i> spp.) and its potential as functional food. <i>Trends in Food Science and Technology</i> , 2018 , 74, 99-106	15.3	46
76	Traditionally Used Species: Phytochemical Composition, Antioxidant Activity, Enzyme Inhibitory Properties, Cytotoxic Effects, and Studies of and. <i>Frontiers in Pharmacology</i> , 2017 , 8, 83	5.6	45
75	Antimicrobial and antioxidant activities and phenolic profile of <i>Eucalyptus globulus</i> Labill. and <i>Corymbia ficifolia</i> (F. Muell.) K.D. Hill & L.A.S. Johnson leaves. <i>Molecules</i> , 2015 , 20, 4720-34	4.8	42
74	Phenolic Compounds from Five Ericaceae Species Leaves and Their Related Bioavailability and Health Benefits. <i>Molecules</i> , 2019 , 24,	4.8	39
73	Let food be thy medicine and medicine be thy food: A bibliometric analysis of the most cited papers focusing on nutraceuticals and functional foods. <i>Food Chemistry</i> , 2018 , 269, 455-465	8.5	38
72	Product Authentication Using DNA Metabarcoding and HPLC-MS Reveals Widespread Adulteration with. <i>Frontiers in Pharmacology</i> , 2017 , 8, 378	5.6	38
71	Purification and identification of an antioxidative peptide from peony (<i>Paeonia suffruticosa</i> Andr.) seed dreg. <i>Food Chemistry</i> , 2019 , 285, 266-274	8.5	37
70	Anti-aging potential of tree nuts with a focus on the phytochemical composition, molecular mechanisms and thermal stability of major bioactive compounds. <i>Food and Function</i> , 2018 , 9, 2554-2575	6.1	37
69	Oleuropein and Cancer Chemoprevention: The Link is Hot. <i>Molecules</i> , 2017 , 22,	4.8	35

68	Cynaropicrin: A Comprehensive Research Review and Therapeutic Potential As an Anti-Hepatitis C Virus Agent. <i>Frontiers in Pharmacology</i> , 2016 , 7, 472	5.6	35
67	Development of novel techniques to extract phenolic compounds from Romanian cultivars of <i>Prunus domestica</i> L. and their biological properties. <i>Food and Chemical Toxicology</i> , 2018 , 119, 189-198	4.7	33
66	Curcumin: Total-Scale Analysis of the Scientific Literature. <i>Molecules</i> , 2019 , 24,	4.8	32
65	Process Optimization for Improved Phenolic Compounds Recovery from Walnut (L.) Septum: Phytochemical Profile and Biological Activities. <i>Molecules</i> , 2018 , 23,	4.8	31
64	Total Phenolics, Flavonoids, Condensed Tannins Content of Eight <i>Centaurea</i> Species and Their Broad Inhibitory Activities against Cholinesterase, Tyrosinase, α -Amylase and α -Glucosidase. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2016 , 44, 195-200	1.2	30
63	Evaluation of bioactive compounds-loaded chitosan films as a novel and potential diabetic wound dressing material. <i>Reactive and Functional Polymers</i> , 2019 , 145, 104369	4.6	29
62	Berry polyphenols and human health: evidence of antioxidant, anti-inflammatory, microbiota modulation, and cell-protecting effects. <i>Current Opinion in Food Science</i> , 2021 , 42, 167-186	9.8	28
61	Vascular smooth muscle cell proliferation as a therapeutic target. Part 2: Natural products inhibiting proliferation. <i>Biotechnology Advances</i> , 2018 , 36, 1608-1621	17.8	27
60	Bioactive isoflavones from <i>Pueraria lobata</i> root and starch: Different extraction techniques and carbonic anhydrase inhibition. <i>Food and Chemical Toxicology</i> , 2018 , 112, 441-447	4.7	27
59	Antibacterial and Antioxidant Potential of Silver Nanoparticles Biosynthesized Using the Spruce Bark Extract. <i>Nanomaterials</i> , 2019 , 9,	5.4	25
58	Phytochemical Characterization of <i>Veronica officinalis</i> L., <i>V. teucrium</i> L. and <i>V. orchidea</i> Crantz from Romania and Their Antioxidant and Antimicrobial Properties. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 21109-27	6.3	25
57	Development of bioactive compounds-loaded chitosan films by using a QbD approach \square A novel and potential wound dressing material. <i>Reactive and Functional Polymers</i> , 2019 , 138, 46-54	4.6	24
56	Identification of phenolic components via LC-MS analysis and biological activities of two <i>Centaurea</i> species: <i>C. drabifolia</i> subsp. <i>drabifolia</i> and <i>C. lycopifolia</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 149, 436-441	3.5	24
55	Evaluation of Polyphenolic Content, Antioxidant and Diuretic Activities of Six <i>Fumaria</i> Species. <i>Molecules</i> , 2017 , 22,	4.8	23
54	Chemical composition and bioactive properties of the wild mushroom <i>Polyporus squamosus</i> (Huds.) Fr: a study with samples from Romania. <i>Food and Function</i> , 2018 , 9, 160-170	6.1	23
53	High resolution UHPLC-MS characterization and isolation of main compounds from the antioxidant medicinal plant (Meyen). <i>Saudi Pharmaceutical Journal</i> , 2017 , 25, 1032-1039	4.4	22
52	Biological and Chemical Insights of Beech (L.) Bark: A Source of Bioactive Compounds with Functional Properties. <i>Antioxidants</i> , 2019 , 8,	7.1	22
51	Compositional Features and Bioactive Properties of Leaf (Fillet, Mucilage, and Rind) and Flower. <i>Antioxidants</i> , 2019 , 8,	7.1	22

50	Phytochemical Composition, Antioxidant, Antimicrobial and Anti-inflammatory Activity of Traditionally Used Romanian (Murray) Benth. ("Nobleman's Beard" - Barba Împătatului). <i>Frontiers in Pharmacology</i> , 2018 , 9, 7	5.6	22
49	Health Benefits of Nut Consumption in Middle-Aged and Elderly Population. <i>Antioxidants</i> , 2019 , 8,	7.1	22
48	Metabolites profiling of Ziziphus leaf taxa via UHPLC/PDA/ESI-MS in relation to their biological activities. <i>Food Chemistry</i> , 2019 , 293, 233-246	8.5	21
47	Benefits of tree nut consumption on aging and age-related diseases: Mechanisms of actions. <i>Trends in Food Science and Technology</i> , 2019 , 88, 104-120	15.3	21
46	Phytochemical Analysis, Antioxidant and Antimicrobial Activities of Helichrysum arenarium (L.) Moench. and Antennaria dioica (L.) Gaertn. Flowers. <i>Molecules</i> , 2018 , 23,	4.8	21
45	Enhanced Recovery of Antioxidant Compounds from Hazelnut (L.) Involucre Based on Extraction Optimization: Phytochemical Profile and Biological Activities. <i>Antioxidants</i> , 2019 , 8,	7.1	21
44	Ethnopharmacological Approaches for Therapy of Jaundice: Part II. Highly Used Plant Species from Acanthaceae, Euphorbiaceae, Asteraceae, Combretaceae, and Fabaceae Families. <i>Frontiers in Pharmacology</i> , 2017 , 8, 519	5.6	21
43	Chemical Composition and Biological Activities of the Nord-West Romanian Wild Bilberry L. and Lingonberry L. Leaves. <i>Antioxidants</i> , 2020 , 9,	7.1	20
42	Species Secondary Metabolites Chemodiversity and Bioactivities. <i>Frontiers in Plant Science</i> , 2019 , 10, 834	6.2	19
41	- A Noxious Invasive Alien Plant in Europe or a Medicinal Plant against Metabolic Disease?. <i>Frontiers in Pharmacology</i> , 2017 , 8, 333	5.6	18
40	Biological effects and chemical characterization of Iris schachtii Markgr. extracts: A new source of bioactive constituents. <i>Food and Chemical Toxicology</i> , 2018 , 112, 448-457	4.7	18
39	Functional constituents of six wild edible Silene species: A focus on their phytochemical profiles and bioactive properties. <i>Food Bioscience</i> , 2018 , 23, 75-82	4.9	17
38	High resolution metabolite fingerprinting of the resin of Baccharis tola Phil. from the Atacama Desert and its antioxidant capacities. <i>Industrial Crops and Products</i> , 2016 , 94, 368-375	5.9	17
37	Medicinal Plants and Natural Products Used in Cataract Management. <i>Frontiers in Pharmacology</i> , 2019 , 10, 466	5.6	16
36	Comparative Phytochemical Profile, Antioxidant, Antimicrobial and Anti-Inflammatory Activity of Different Extracts of Traditionally Used Romanian L. and L. (Lamiaceae). <i>Molecules</i> , 2019 , 24,	4.8	16
35	Profiling Metabolites and Biological Activities of Sugarcane (Linn.) Juice and its Product Molasses a Multiplex Metabolomics Approach. <i>Molecules</i> , 2019 , 24,	4.8	16
34	Liquid Phase and Microwave-Assisted Extractions for Multicomponent Phenolic Pattern Determination of Five Romanian Galium Species Coupled with Bioassays. <i>Molecules</i> , 2019 , 24,	4.8	16
33	Chemical Constituents and Biologic Activities of Sage Species: A Comparison between L., L. and. <i>Antioxidants</i> , 2020 , 9,	7.1	16

32	Investigation of In Vitro Antioxidant and Antibacterial Potential of Silver Nanoparticles Obtained by Biosynthesis Using Beech Bark Extract. <i>Antioxidants</i> , 2019 , 8,	7.1	16
31	Antioxidant, Antimicrobial Effects and Phenolic Profile of <i>Lycium barbarum</i> L. Flowers. <i>Molecules</i> , 2015 , 20, 15060-71	4.8	16
30	Polyphenols from (Goji) Fruit European Cultivars at Different Maturation Steps: Extraction, HPLC-DAD Analyses, and Biological Evaluation. <i>Antioxidants</i> , 2019 , 8,	7.1	16
29	UHPLC high resolution orbitrap metabolomic fingerprinting of the unique species <i>Ophryosporus triangularis</i> Meyen from the Atacama Desert, Northern Chile. <i>Revista Brasileira De Farmacognosia</i> , 2017 , 27, 179-187	2	15
28	The Chemical and Biological Profiles of Leaves from Commercial Blueberry Varieties. <i>Plants</i> , 2020 , 9,	4.5	15
27	Effects of L. Polysaccharides on Inflammation and Oxidative Stress Markers in a Pressure Overload-Induced Heart Failure Rat Model. <i>Molecules</i> , 2020 , 25,	4.8	14
26	Ethnopharmacological Approaches for Therapy of Jaundice: Part I. <i>Frontiers in Pharmacology</i> , 2017 , 8, 518	5.6	14
25	Antioxidant Effects of Walnut (L.) Kernel and Walnut Septum Extract in a D-Galactose-Induced Aging Model and in Naturally Aged Rats. <i>Antioxidants</i> , 2020 , 9,	7.1	13
24	Walnut (L.) Septum: Assessment of Bioactive Molecules and In Vitro Biological Effects. <i>Molecules</i> , 2020 , 25,	4.8	12
23	Insight into the biological properties and phytochemical composition of <i>Ballota macrodonta</i> Boiss. et Balansa, an endemic medicinal plant from Turkey. <i>Industrial Crops and Products</i> , 2018 , 113, 422-428	5.9	12
22	Natural products in diabetes research: quantitative literature analysis. <i>Natural Product Research</i> , 2021 , 35, 5813-5827	2.3	12
21	Comparative studies on antioxidant activity and polyphenolic content of <i>Lycium barbarum</i> L. and <i>Lycium chinense</i> Mill. leaves. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2015 , 28, 1511-5	0.4	12
20	Exploring the phytochemical profile of <i>Cytinus hypocistis</i> (L.) L. as a source of health-promoting biomolecules behind its in vitro bioactive and enzyme inhibitory properties. <i>Food and Chemical Toxicology</i> , 2020 , 136, 111071	4.7	11
19	Phenolic Profile and Bioactivities of L.: The Plant, Its Most Active Extract, and Its Broad Biological Properties. <i>Frontiers in Pharmacology</i> , 2019 , 10, 1642	5.6	10
18	Nutrient and Sensory Metabolites Profiling of L. (Starfruit) in the Context of Its Origin and Ripening Stage by GC/MS and Chemometric Analysis. <i>Molecules</i> , 2020 , 25,	4.8	8
17	Biologically Active Species Extracts Modulate Supportive Processes for Cancer Cell Development. <i>Frontiers in Pharmacology</i> , 2019 , 10, 334	5.6	7
16	In vitro Antitumour Activity of Tomato-Extracted Carotenoids on Human Colorectal Carcinoma. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2015 , 43, 293-301	1.2	7
15	Effects of Processing on Polyphenolic and Volatile Composition and Fruit Quality of Clery Strawberries. <i>Antioxidants</i> , 2020 , 9,	7.1	7

14	Zeaxanthin-Rich Extract from Superfood Selectively Modulates the Cellular Adhesion and MAPK Signaling in Melanoma versus Normal Skin Cells In Vitro. <i>Molecules</i> , 2021 , 26,	4.8	7
13	Ethnopharmacological Applications Targeting Alcohol Abuse: Overview and Outlook. <i>Frontiers in Pharmacology</i> , 2019 , 10, 1593	5.6	6
12	Hepatoprotective naphthalene diglucoside from <i>Neanotis wightiana</i> aerial parts. <i>Phytomedicine</i> , 2017 , 33, 14-20	6.5	4
11	High Resolution UHPLC-MS Metabolomics and Sedative-Anxiolytic Effects of : A Mystic Plant used by Mapuche Amerindians. <i>Frontiers in Pharmacology</i> , 2017 , 8, 494	5.6	4
10	Chemical Composition, Diuretic, and Antityrosinase Activity of Traditionally Used Romanian. <i>Frontiers in Pharmacology</i> , 2021 , 12, 647947	5.6	4
9	Optimized ultrasound-assisted extraction of phenolic compounds from <i>Thymus comosus</i> Heuff. ex Griseb. et Schenk (wild thyme) and their bioactive potential.. <i>Ultrasonics Sonochemistry</i> , 2022 , 84, 105954	8.9	4
8	Unravelling the Phytochemical Composition and the Pharmacological Properties of an Optimized Extract from the Fruit from <i>L.</i> : From Traditional Liqueur Market to the Pharmacy Shelf. <i>Molecules</i> , 2021 , 26,	4.8	3
7	Optimization of the drying process of autumn fruits rich in antioxidants: a study focusing on rosehip (<i>L.</i>) and sea buckthorn (<i>L.</i>) A. Nelson) and their bioactive properties. <i>Food and Function</i> , 2021 , 12, 3939-3953	6.1	3
6	Biological Activities of Some Isoquinoline Alkaloids from Soy. Will.. <i>Plants</i> , 2022 , 11,	4.5	3
5	Phytochemical Characterization and Evaluation of Bioactive Properties of Tisanes Prepared from Promising Medicinal and Aromatic Plants. <i>Foods</i> , 2021 , 10,	4.9	2
4	Development of a NIR Method for the In-Line Quantification of the Total Polyphenolic Content: A Study Applied on <i>L.</i> Dry Extract Obtained in a Fluid Bed Process. <i>Molecules</i> , 2018 , 23,	4.8	2
3	Comparative polyphenolic content and antioxidant activities of <i>Genista tinctoria</i> L. and <i>Genistella sagittalis</i> (L.) Gams (Fabaceae). <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2016 , 29, 301-7	0.4	2
2	Development of an Optimized Drying Process for the Recovery of Bioactive Compounds from the Autumn Fruits of <i>L.</i> and <i>Jacq.</i> <i>Antioxidants</i> , 2021 , 10,	7.1	1
1	Biological Activities of Snowdrop (<i>Galanthus</i> spp., Family Amaryllidaceae). <i>Frontiers in Pharmacology</i> , 2020 , 11, 552453	5.6	1