

Lucian Hritcu

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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.

95 papers	2,114 citations	25 h-index	42 g-index
115 ext. papers	2,545 ext. citations	4 avg, IF	5.08 L-index

#	Paper	IF	Citations
95	Changes of some oxidative stress markers in the serum of patients with mild cognitive impairment and Alzheimer's disease. <i>Neuroscience Letters</i> , 2010 , 469, 6-10	3.3	251
94	Effects of lavender oil inhalation on improving scopolamine-induced spatial memory impairment in laboratory rats. <i>Phytomedicine</i> , 2012 , 19, 529-34	6.5	92
93	Role of the mesotelencephalic dopamine system in learning and memory processes in the rat. <i>European Journal of Pharmacology</i> , 2003 , 475, 55-60	5.3	77
92	Cognitive-enhancing and antioxidant activities of inhaled coriander volatile oil in amyloid (1-42) rat model of Alzheimer's disease. <i>Physiology and Behavior</i> , 2013 , 120, 193-202	3.5	74
91	Methanolic extract of Piper nigrum fruits improves memory impairment by decreasing brain oxidative stress in amyloid beta(1-42) rat model of Alzheimer's disease. <i>Cellular and Molecular Neurobiology</i> , 2014 , 34, 437-49	4.6	73
90	Brain serotonin depletion impairs short-term memory, but not long-term memory in rats. <i>Physiology and Behavior</i> , 2007 , 91, 652-7	3.5	68
89	Neuroprotective effects of inhaled lavender oil on scopolamine-induced dementia via anti-oxidative activities in rats. <i>Phytomedicine</i> , 2013 , 20, 446-52	6.5	67
88	Inhalation of coriander volatile oil increased anxiolytic-antidepressant-like behaviors and decreased oxidative status in beta-amyloid (1-42) rat model of Alzheimer's disease. <i>Physiology and Behavior</i> , 2014 , 131, 68-74	3.5	56
87	Inhibition of central angiotensin II enhances memory function and reduces oxidative stress status in rat hippocampus. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013 , 43, 79-88	5.5	56
86	Antidepressant Flavonoids and Their Relationship with Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 5762172	6.7	54
85	Seed inoculation with plant growth promoting rhizobacteria enhances photosynthesis and yield of runner bean (<i>Phaseolus coccineus</i> L.). <i>Scientia Horticulturae</i> , 2013 , 151, 22-29	4.1	53
84	Anxiolytic and antidepressant profile of the methanolic extract of Piper nigrum fruits in beta-amyloid (1-42) rat model of Alzheimer's disease. <i>Behavioral and Brain Functions</i> , 2015 , 11, 13	4.1	45
83	The Effects of Inhaled Pimpinella peregrina Essential Oil on Scopolamine-Induced Memory Impairment, Anxiety, and Depression in Laboratory Rats. <i>Molecular Neurobiology</i> , 2016 , 53, 6557-6567	6.2	45
82	Methanolic extract of Hibiscus asper leaves improves spatial memory deficits in the 6-hydroxydopamine-lesion rodent model of Parkinson's disease. <i>Journal of Ethnopharmacology</i> , 2011 , 133, 773-9	5	45
81	Intranigral lipopolysaccharide induced anxiety and depression by altered BDNF mRNA expression in rat hippocampus. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014 , 51, 126-32	5.5	43
80	Brain renin-angiotensin system in cognitive function: pre-clinical findings and implications for prevention and treatment of dementia. <i>Acta Neurologica Belgica</i> , 2009 , 109, 171-80	1.5	41
79	Spatial memory deficits and oxidative stress damage following exposure to lipopolysaccharide in a rodent model of Parkinson's disease. <i>Neuroscience Research</i> , 2011 , 71, 35-43	2.9	39

78	Neuroprotective effect of the methanolic extract of Hibiscus asper leaves in 6-hydroxydopamine-lesioned rat model of Parkinson's disease. <i>Journal of Ethnopharmacology</i> , 2011 , 137, 585-91	5	35
77	Pinus halepensis essential oil attenuates the toxic Alzheimer's amyloid beta (1-42)-induced memory impairment and oxidative stress in the rat hippocampus. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 112, 108673	7.5	35
76	Enhanced antibacterial effect of silver nanoparticles obtained by electrochemical synthesis in poly(amide-hydroxyurethane) media. <i>Journal of Materials Science: Materials in Medicine</i> , 2011 , 22, 789-96	4.5	31
75	Effects of serotonin depletion on behavior and neuronal oxidative stress status in rat: relevance for anxiety and affective disorders. <i>Advances in Medical Sciences</i> , 2010 , 55, 289-96	2.8	31
74	Memory-enhancing activities of the aqueous extract of Albizia adianthifolia leaves in the 6-hydroxydopamine-lesion rodent model of Parkinson's disease. <i>BMC Complementary and Alternative Medicine</i> , 2014 , 14, 142	4.7	29
73	The effects of pergolide on memory and oxidative stress in a rat model of Parkinson's disease. <i>Journal of Physiology and Biochemistry</i> , 2012 , 68, 59-69	5	26
72	Effects of nicotine on memory impairment induced by blockade of muscarinic, nicotinic and dopamine D2 receptors in rats. <i>European Journal of Pharmacology</i> , 2003 , 474, 227-32	5.3	26
71	Anti-acetylcholinesterase and Antioxidant Activities of Inhaled Juniper Oil on Amyloid Beta (1-42)-Induced Oxidative Stress in the Rat Hippocampus. <i>Neurochemical Research</i> , 2015 , 40, 952-60	4.6	25
70	Lactuca capensis reverses memory deficits in A β -42-induced an animal model of Alzheimer's disease. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 111-122	5.6	24
69	Antiamnesic and Antioxidants Effects of Ferulago angulata Essential Oil Against Scopolamine-Induced Memory Impairment in Laboratory Rats. <i>Neurochemical Research</i> , 2015 , 40, 1799-809	4.6	23
68	Anxiolytic and antidepressant-like effects of Ferulago angulata essential oil in the scopolamine rat model of Alzheimer's disease. <i>Flavour and Fragrance Journal</i> , 2016 , 31, 70-80	2.5	23
67	Agathisflavone isolated from Schinus polygamus (Cav.) Cabrera leaves prevents scopolamine-induced memory impairment and brain oxidative stress in zebrafish (Danio rerio). <i>Phytomedicine</i> , 2019 , 58, 152889	6.5	22
66	Complex regulation of p73 isoforms after alteration of amyloid precursor polypeptide (APP) function and DNA damage in neurons. <i>Journal of Biological Chemistry</i> , 2011 , 286, 43013-25	5.4	22
65	Anthriscus nemorosa essential oil inhalation prevents memory impairment, anxiety and depression in scopolamine-treated rats. <i>Biomedicine and Pharmacotherapy</i> , 2016 , 84, 1313-1320	7.5	21
64	Tetraclinis articulata essential oil mitigates cognitive deficits and brain oxidative stress in an Alzheimer's disease amyloidosis model. <i>Phytomedicine</i> , 2019 , 56, 57-63	6.5	21
63	Essential Oil Improves Scopolamine-Induced Neurobehavioral Changes via Restoration of Cholinergic Function and Brain Antioxidant Status in Zebrafish (). <i>Antioxidants</i> , 2020 , 9,	7.1	20
62	Comparative efficacy of Ocimum sanctum L. and Ocimum basilicum L. essential oils against amyloid beta (1 β 2)-induced anxiety and depression in laboratory rats. <i>Phytochemistry Reviews</i> , 2015 , 14, 567-575	7.7	19
61	Cognitive-enhancing activities of the polyprenol preparation Ropren ® in gonadectomized β amyloid (25-35) rat model of Alzheimer's disease. <i>Physiology and Behavior</i> , 2016 , 157, 55-62	3.5	19

60	Intranigral lipopolysaccharide administration induced behavioral deficits and oxidative stress damage in laboratory rats: relevance for Parkinson's disease. <i>Behavioural Brain Research</i> , 2013 , 253, 25-34	3.4	19
59	Essential Oil Attenuates Scopolamine-Induced Memory Deficits via Cholinergic Modulation and Antioxidant Properties in a Zebrafish Model. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019 , 2019, 5256781	2.3	19
58	Essential Oil Protects Zebrafish against Cognitive Dysfunction by Regulating Cholinergic and Antioxidants Systems. <i>Antioxidants</i> , 2020 , 9,	7.1	18
57	Nicotine-induced memory impairment by increasing brain oxidative stress. <i>Open Life Sciences</i> , 2009 , 4, 335-342	1.2	18
56	Effects of right-unilateral 6-hydroxydopamine infusion-induced memory impairment and oxidative stress: relevance for Parkinson's disease. <i>Open Life Sciences</i> , 2008 , 3, 250-257	1.2	18
55	Cognitive-enhancing and antioxidant activities of the aqueous extract from <i>Markhamia tomentosa</i> (Benth.) K. Schum. stem bark in a rat model of scopolamine. <i>Behavioral and Brain Functions</i> , 2017 , 13, 5	4.1	17
54	Attenuated effects of chitosan-capped gold nanoparticles on LPS-induced toxicity in laboratory rats. <i>Materials Science and Engineering C</i> , 2013 , 33, 550-6	8.3	17
53	effects of 6-OHDA infusion into the hypothalamic paraventricular nucleus in mediating stress-induced behavioural responses and oxidative damage in rats. <i>Acta Endocrinologica</i> , 2009 , 5, 425-436	2.9	17
52	Inhibition of Central Angiotensin Converting Enzyme Exerts Anxiolytic Effects by Decreasing Brain Oxidative Stress. <i>Journal of Medical Biochemistry</i> , 2011 , 30, 109-114	1.9	17
51	Nicotine versus 6-hydroxy-l-nicotine against chlorisondamine induced memory impairment and oxidative stress in the rat hippocampus. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 86, 102-108	7.5	16
50	Ameliorative effects of <i>Matricaria chamomilla</i> L. hydroalcoholic extract on scopolamine-induced memory impairment in rats: A behavioral and molecular study. <i>Phytomedicine</i> , 2018 , 47, 113-120	6.5	15
49	Ameliorative Effects of Rhoifolin in Scopolamine-Induced Amnesic Zebrafish () Model. <i>Antioxidants</i> , 2020 , 9,	7.1	14
48	Effects of the Methanolic Extract of <i>Vitellaria paradoxa</i> Stem Bark Against Scopolamine-Induced Cognitive Dysfunction and Oxidative Stress in the Rat Hippocampus. <i>Cellular and Molecular Neurobiology</i> , 2016 , 36, 1139-49	4.6	13
47	Enhanced behavioral response by decreasing brain oxidative stress to 6-hydroxy-l-nicotine in Alzheimer's disease rat model. <i>Neuroscience Letters</i> , 2015 , 591, 41-47	3.3	13
46	Prenatal testosterone improves the spatial learning and memory by protein synthesis in different lobes of the brain in the male and female rat. <i>Open Life Sciences</i> , 2008 , 3, 39-47	1.2	13
45	Essential oils from Apiaceae as valuable resources in neurological disorders: <i>Foeniculi vulgare aetheroleum</i> . <i>Industrial Crops and Products</i> , 2016 , 88, 51-57	5.9	12
44	<i>Lactuca sativa</i> 2017 , 437-449		12
43	Exposure to silver nanoparticles induces oxidative stress and memory deficits in laboratory rats. <i>Open Life Sciences</i> , 2011 , 6, 497-509	1.2	12

42	Effects of angiotensin II receptor antagonists on anxiety and some oxidative stress markers in rat. <i>Open Medicine (Poland)</i> , 2011 , 6, 331-340	2.2	12
41	Cognitive Facilitation and Antioxidant Effects of an Essential Oil Mix on Scopolamine-Induced Amnesia in Rats: Molecular Modeling of In Vitro and In Vivo Approaches. <i>Molecules</i> , 2020 , 25,	4.8	11
40	The Aqueous Extract from Leaves Protects Against 6-hydroxydopamine in Zebrafish: Understanding the Underlying Mechanism. <i>Antioxidants</i> , 2020 , 9,	7.1	11
39	Advanced Structure-activity Relationships Applied to Mentha spicata L. Subsp. spicata Essential Oil Compounds as AChE and NMDA Ligands, in Comparison with Donepezil, Galantamine and Memantine - New Approach in Brain Disorders Pharmacology. <i>CNS and Neurological Disorders - Drug</i>	2.6	11
38	The aqueous extract of Albizia adianthifolia leaves attenuates 6-hydroxydopamine-induced anxiety, depression and oxidative stress in rat amygdala. <i>BMC Complementary and Alternative Medicine</i> , 2015 , 15, 374	4.7	10
37	Anxiolytic and Antidepressant-Like Effects of the Aqueous Extract of Alafia multiflora Stem Barks in Rodents. <i>Advances in Pharmacological Sciences</i> , 2012 , 2012, 912041	4.9	10
36	Ropren treatment reverses anxiety-like behavior and monoamines levels in gonadectomized rat model of Alzheimer's disease. <i>Biomedicine and Pharmacotherapy</i> , 2016 , 83, 1444-1455	7.5	10
35	Antidepressant-Like Effect of Ropren in Amyloid-(25-35) Rat Model of Alzheimer's Disease with Altered Levels of Androgens. <i>Molecular Neurobiology</i> , 2017 , 54, 2611-2621	6.2	8
34	(-)-Carveol, a Natural Compound, Improves -Amyloid-Peptide 1-42-Induced Memory Impairment and Oxidative Stress in the Rat Hippocampus. <i>BioMed Research International</i> , 2020 , 2020, 8082560	3	8
33	Optimization of Ultrasonic Extraction to Obtain Erinacine A and Polyphenols with Antioxidant Activity from the Fungal Biomass of. <i>Foods</i> , 2020 , 9,	4.9	7
32	Evidence of a plasmid-encoded oxidative xylose-catabolic pathway in Arthrobacter nicotinovorans pAO1. <i>Research in Microbiology</i> , 2013 , 164, 22-30	4	7
31	Cotinine and 6-Hydroxy-L-Nicotine Reverses Memory Deficits and Reduces Oxidative Stress in Aβ-Induced Rat Model of Alzheimer's Disease. <i>Antioxidants</i> , 2020 , 9,	7.1	7
30	Kainic acid lesion-induced spatial memory deficits of rats. <i>Open Life Sciences</i> , 2009 , 4, 179-185	1.2	6
29	Bay Leaf (L.) Incense Improved Scopolamine-Induced Amnesic Rats by Restoring Cholinergic Dysfunction and Brain Antioxidant Status. <i>Antioxidants</i> , 2021 , 10,	7.1	6
28	Anxiolytic, Promnesic, Anti-Acetylcholinesterase and Antioxidant Effects of Cotinine and 6-Hydroxy-L-Nicotine in Scopolamine-Induced Zebrafish (Z) Model of Alzheimer's Disease. <i>Antioxidants</i> , 2021 , 10,	7.1	6
27	Insights on the Inhibitory Power of Flavonoids on Tyrosinase Activity: A Survey from 2016 to 2021.. <i>Molecules</i> , 2021 , 26,	4.8	6
26	6-hydroxy-L-nicotine from Arthrobacter nicotinovorans sustain spatial memory formation by decreasing brain oxidative stress in rats. <i>Journal of Physiology and Biochemistry</i> , 2013 , 69, 25-34	5	5
25	Memory-Enhancing Effects of Essential Oil in an Alzheimer's Amyloid beta1-42 Rat Model: A Molecular and Behavioral Study. <i>Antioxidants</i> , 2020 , 9,	7.1	5

24	Effects of inhaled juniper volatile oil in amyloid beta (1-42)-induced anxiety and depression in laboratory rats. <i>Flavour and Fragrance Journal</i> , 2016 , 31, 149-157	2.5	5
23	The Effects of Central Angiotensin II and Its Specific Blockers on Nociception. Possible Interactions with Oxidative Stress Status / Efekti Centralnog Angiotenzina II I Njegovih Specifičnih Blokatora Na Nocicepciju. Moguće Interakcije Sa Statusom Oksidativnog Stresa. <i>Journal of Medical Biochemistry</i> , 2013 , 32, 52-58	1.9	4
22	Testosterone promotes anxiolytic-like behavior in gonadectomized male rats via blockade of the 5-HT receptors. <i>General and Comparative Endocrinology</i> , 2017 , 254, 14-21	3	3
21	The pathogenic role of Blastocystis isolated from patients with irritable bowel syndrome and colitis from Iasi, Romania. <i>Acta Parasitologica</i> , 2014 , 60, 116-23	1.7	3
20	The effects of the administration of two different doses of manganese on short-term spatial memory and anxiety-like behavior in rats. <i>Archives of Biological Sciences</i> , 2011 , 63, 1031-1036	0.7	3
19	Idiopathic sudden hearing loss: Oxidative status before and after corticoid treatment. <i>Archives of Biological Sciences</i> , 2015 , 67, 1297-1302	0.7	3
18	Baicalein 5,6-Dimethyl Ether Prevents Memory Deficits in the Scopolamine Zebrafish Model by Regulating Cholinergic and Antioxidant Systems. <i>Plants</i> , 2021 , 10,	4.5	3
17	Chemical composition and antibacterial activity of essential oil of <i>Tetraclinis articulata</i> (Vahl) Masters branches of eastern Morocco. <i>Chemical and Biological Technologies in Agriculture</i> , 2018 , 5,	4.4	3
16	Morphological changes in gold core-chitosan shell nanostructures at the interface with physiological media. In vitro and in vivo approach. <i>Applied Surface Science</i> , 2015 , 352, 103-108	6.7	2
15	Effect of Micotoxins Treatment on Oxidative Stress, Memory and Anxious Behavior in Zebrafish (<i>Danio rerio</i>). <i>Revista De Chimie (discontinued)</i> , 2019 , 70, 776-780	1.8	2
14	Neuroprotective and Antioxidant Enhancing Properties of Selective Extracts. <i>Molecules</i> , 2021 , 26,	4.8	2
13	Conifer Essential Oils Reversed Amyloid Beta1-42 Action by Modulating BDNF and ARC Expression in The Rat Hippocampus. <i>CNS and Neurological Disorders - Drug Targets</i> , 2021 ,	2.6	2
12	Hematological disorders in 6-hydroxydopamine-induced rat model of Parkinson's disease. <i>Turkish Journal of Haematology</i> , 2008 , 25, 140-4	0.9	2
11	6-Hydroxy-L-Nicotine and Memory Impairment 2019 , 165-172		1
10	Evaluation of anti-amnesic activity of essential oil on scopolamine-induced amnesia in rats: and approaches. <i>Heliyon</i> , 2019 , 5, e02223	3.6	1
9	Cognitive disorders in 6-hydroxydopamine-induced rat model of Parkinson's disease 2008 , 7,		1
8	Effects of bacterial lipopolysaccharide exposure on immune responsiveness in a rodent model of Parkinson's disease. <i>Archives of Biological Sciences</i> , 2011 , 63, 99-105	0.7	1
7	Effects of the Hydroethanolic Extract of L. on Scopolamine-Induced Memory Deficits in Zebrafish. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	1

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|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
| 6 | Anxiolytic and Antidepressant-Like Effects of Aqueous Extract in the Scopolamine Rat Model. <i>Plants</i> , 2021 , 10, | 4.5 | 1 |
| 5 | Retraction notice to "Testosterone promotes anxiolytic-like behavior in gonadectomized male rats via blockade of the 5-HT1A receptors" [GCE Vol 254 (1 December 2017)14-21]. <i>General and Comparative Endocrinology</i> , 2019 , 274, 113 | 3 | |
| 4 | The effects of a 6-OHDA induced lesion in murine nucleus accumbens on memory and oxidative stress status. <i>Open Medicine (Poland)</i> , 2013 , 8, 443-449 | 2.2 | |
| 3 | P.2.05 Effects of low-dose nicotine on cognitive function and neuronal oxidative stress status. <i>European Neuropsychopharmacology</i> , 2009 , 19, S37-S38 | 1.2 | |
| 2 | Natural Antioxidants for the Prevention and Treatment of Cancer 2021 , 1-14 | | |
| 1 | Therapeutic Molecular Targets of Cancer and Animal Models: Adequacy and Drawbacks 2022 , 1-13 | | |