

Sawsan Abo-Bakr Zaitone

List of Publications by Year in descending order

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84
papers

1,967
citations

236912

25
h-index

315719

38
g-index

88
all docs

88
docs citations

88
times ranked

2657
citing authors

#	ARTICLE	IF	CITATIONS
1	Acetyl-L-carnitine and α -lipoic acid affect rotenone-induced damage in nigral dopaminergic neurons of rat brain, implication for Parkinson's disease therapy. <i>Pharmacology Biochemistry and Behavior</i> , 2012, 100, 347-360.	2.9	122
2	Caffeic acid improves locomotor activity and lessens inflammatory burden in a mouse model of rotenone-induced nigral neurodegeneration: Relevance to Parkinson's disease therapy. <i>Pharmacological Reports</i> , 2019, 71, 32-41.	3.3	75
3	Rosuvastatin promotes angiogenesis and reverses isoproterenol-induced acute myocardial infarction in rats: Role of iNOS and VEGF. <i>European Journal of Pharmacology</i> , 2012, 691, 134-142.	3.5	71
4	Piracetam and vinpocetine ameliorate rotenone-induced Parkinsonism in rats. <i>Indian Journal of Pharmacology</i> , 2012, 44, 774.	0.7	62
5	Role of Metformin in Suppressing 1,2-Dimethylhydrazine-Induced Colon Cancer in Diabetic and Non-Diabetic Mice: Effect on Tumor Angiogenesis and Cell Proliferation. <i>PLoS ONE</i> , 2014, 9, e100562.	2.5	62
6	Nifuroxazide, a STAT3 inhibitor, mitigates inflammatory burden and protects against diabetes-induced nephropathy in rats. <i>Chemico-Biological Interactions</i> , 2018, 281, 111-120.	4.0	60
7	Pentoxifylline and melatonin in combination with pioglitazone ameliorate experimental non-alcoholic fatty liver disease. <i>European Journal of Pharmacology</i> , 2011, 662, 70-77.	3.5	54
8	Protective effect of boswellic acids versus pioglitazone in a rat model of diet-induced non-alcoholic fatty liver disease: influence on insulin resistance and energy expenditure. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015, 388, 587-600.	3.0	48
9	Renoprotective effect of calycosin in high fat diet-fed/STZ injected rats: Effect on IL-33/ST2 signaling, oxidative stress and fibrosis suppression. <i>Chemico-Biological Interactions</i> , 2020, 315, 108897.	4.0	48
10	Thymol Nanoemulsion: A New Therapeutic Option for Extensively Drug Resistant Foodborne Pathogens. <i>Antibiotics</i> , 2021, 10, 25.	3.7	47
11	Synthesis and biological evaluation of new pyrazolone-pyridazine conjugates as anti-inflammatory and analgesic agents. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2080-2089.	3.0	44
12	Metformin Protects From Rotenone-Induced Nigrostriatal Neuronal Death in Adult Mice by Activating AMPK-FOXO3 Signaling and Mitigation of Angiogenesis. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 84.	2.9	44
13	Pregabalin affords retinal neuroprotection in diabetic rats: Suppression of retinal glutamate, microglia cell expression and apoptotic cell death. <i>Experimental Eye Research</i> , 2019, 184, 78-90.	2.6	41
14	Synthesis, structure and antidiabetic activity of chromium(III) complexes of metformin Schiff-bases. <i>Journal of Molecular Structure</i> , 2016, 1108, 60-70.	3.6	37
15	Neuroprotective effect of duloxetine in a mouse model of diabetic neuropathy: Role of glia suppressing mechanisms. <i>Life Sciences</i> , 2018, 205, 113-124.	4.3	37
16	Effect of levetiracetam versus gabapentin on peripheral neuropathy and sciatic degeneration in streptozotocin-diabetic mice: Influence on spinal microglia and astrocytes. <i>European Journal of Pharmacology</i> , 2016, 771, 162-172.	3.5	36
17	Renoprotective effect of the isoflavonoid biochanin A against cisplatin induced acute kidney injury in mice: Effect on inflammatory burden and p53 apoptosis. <i>International Immunopharmacology</i> , 2018, 61, 8-19.	3.8	36
18	Olmesartan Potentiates the Anti-Angiogenic Effect of Sorafenib in Mice Bearing Ehrlich's Ascites Carcinoma: Role of Angiotensin (1-7). <i>PLoS ONE</i> , 2014, 9, e85891.	2.5	35

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19	Protective effect of isoliquiritigenin on experimental diabetic nephropathy in rats: Impact on Sirt-1/NF κ B balance and NLRP3 expression. <i>International Immunopharmacology</i> , 2020, 87, 106813.	3.8	35
20	Pioglitazone and exenatide enhance cognition and downregulate hippocampal beta amyloid oligomer and microglia expression in insulin-resistant rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2016, 94, 819-828.	1.4	33
21	Cardioprotective effect of pioglitazone in diabetic and non-diabetic rats subjected to acute myocardial infarction involves suppression of AGE-RAGE axis and inhibition of apoptosis. <i>Canadian Journal of Physiology and Pharmacology</i> , 2016, 94, 463-476.	1.4	32
22	Addition of a low dose of rimonabant to orlistat therapy decreases weight gain and reduces adiposity in dietary obese rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2012, 39, 551-559.	1.9	30
23	Fluvoxamine alleviates seizure activity and downregulates hippocampal GAP-43 expression in pentylenetetrazole-kindled mice. <i>Behavioural Pharmacology</i> , 2015, 26, 369-382.	1.7	29
24	Myelosuppressive and hepatotoxic potential of leflunomide and methotrexate combination in a rat model of rheumatoid arthritis. <i>Pharmacological Reports</i> , 2015, 67, 102-114.	3.3	29
25	Renoprotective effect of nifuroxazide in diabetes-induced nephropathy: impact on NF κ B, oxidative stress, and apoptosis. <i>Toxicology Mechanisms and Methods</i> , 2018, 28, 467-473.	2.7	29
26	Antioxidant potential of melatonin enhances the response to L-dopa in 1-methyl 4-phenyl 1,2,3,6-tetrahydropyridine-parkinsonian mice. <i>Pharmacological Reports</i> , 2013, 65, 1213-1226.	3.3	27
27	Pharmacological Action of a Pregnane Glycoside, Russelloside B, in Dietary Obese Rats: Impact on Weight Gain and Energy Expenditure. <i>Frontiers in Pharmacology</i> , 2018, 9, 990.	3.5	27
28	Leflunomide-induced liver injury in mice: Involvement of TLR4 mediated activation of PI3K/mTOR/NF κ B pathway. <i>Life Sciences</i> , 2019, 235, 116824.	4.3	26
29	Carbamazepine Alleviates Retinal and Optic Nerve Neural Degeneration in Diabetic Mice via Nerve Growth Factor-Induced PI3K/Akt/mTOR Activation. <i>Frontiers in Neuroscience</i> , 2019, 13, 1089.	2.8	25
30	Boswellic acids synergize antitumor activity and protect against the cardiotoxicity of doxorubicin in mice bearing Ehrlich's carcinoma. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 695-708.	1.4	24
31	Chemopreventive effect of leflunomide against Ehrlich's solid tumor grown in mice: Effect on EGF and EGFR expression and tumor proliferation. <i>Life Sciences</i> , 2015, 141, 193-201.	4.3	24
32	Mechanism of action of antiepileptic ceramide from Red Sea soft coral <i>Sarcophyton auritum</i> . <i>Biorganic and Medicinal Chemistry Letters</i> , 2015, 25, 5819-5824.	2.2	23
33	The protective effect of biochanin A against rotenone-induced neurotoxicity in mice involves enhancing of PI3K/Akt/mTOR signaling and beclin-1 production. <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111344.	6.0	22
34	Novel Mechanism for Memantine in Attenuating Diabetic Neuropathic Pain in Mice via Downregulating the Spinal HMGB1/TLR4/NF- κ B Inflammatory Axis. <i>Pharmaceuticals</i> , 2021, 14, 307.	3.8	22
35	Inhibition of fatty acid amide hydrolase by URB597 attenuates the anxiolytic-like effect of acetaminophen in the mouse elevated plus-maze test. <i>Behavioural Pharmacology</i> , 2012, 23, 417-425.	1.7	19
36	Protective effect of metformin on rat diabetic retinopathy involves suppression of toll-like receptor 4/nuclear factor- κ B expression and glutamate excitotoxicity. <i>International Immunopharmacology</i> , 2021, 90, 107193.	3.8	19

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37	Synthesis and Antitumor Activity of Doxycycline Polymeric Nanoparticles: Effect on Tumor Apoptosis in Solid Ehrlich Carcinoma. <i>Molecules</i> , 2020, 25, 3230.	3.8	17
38	Celastrol and thymoquinone alleviate aluminum chloride-induced neurotoxicity: Behavioral psychomotor performance, neurotransmitter level, oxidative-inflammatory markers, and BDNF expression in rat brain. <i>Biomedicine and Pharmacotherapy</i> , 2022, 151, 113072.	5.6	17
39	Inhibitory effect of valproate sodium on pain behavior in diabetic mice involves suppression of spinal histone deacetylase 1 and inflammatory mediators. <i>International Immunopharmacology</i> , 2019, 70, 16-27.	3.8	16
40	Copper(II) ternary complexes with gabapentin and neurotransmitters as antiepileptic drug. <i>Journal of Molecular Structure</i> , 2019, 1180, 861-877.	3.6	16
41	Formulation and Characterization of Metformin-Loaded Ethosomes for Topical Application to Experimentally Induced Skin Cancer in Mice. <i>Pharmaceuticals</i> , 2022, 15, 657.	3.8	16
42	Synthesis of New Nicotinic Acid Derivatives and Their Evaluation as Analgesic and Anti-inflammatory Agents. <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 933-940.	1.3	15
43	Dorzolamide synergizes the antitumor activity of mitomycin C against Ehrlich's carcinoma grown in mice: role of thioredoxin-interacting protein. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015, 388, 1271-1282.	3.0	15
44	Synthesis of New <i>N</i> -Substituted-5-aryl-3-(3,4,5-trimethoxyphenyl)-2-pyrazoline Derivatives as Antitumor Agents Targeting the Colchicine Site on Tubulin. <i>Biological and Pharmaceutical Bulletin</i> , 2016, 39, 1611-1622.	1.4	15
45	Antitumor activity of a molecularly imprinted nanopreparation of 5-fluorouracil against Ehrlich's carcinoma solid tumors grown in mice: Comparison to free 5-fluorouracil. <i>Chemico-Biological Interactions</i> , 2018, 295, 52-63.	4.0	15
46	Standardized <i>Tribulus terrestris</i> extract protects against rotenone-induced oxidative damage and nigral dopamine neuronal loss in mice. <i>Journal of Physiology and Pharmacology</i> , 2018, 69, .	1.1	15
47	Glutamine up-regulates pancreatic sodium-dependent neutral amino acid transporter-2 and mitigates islets apoptosis in diabetic rats. <i>Pharmacological Reports</i> , 2018, 70, 233-242.	3.3	14
48	Exenatide ameliorates experimental non-alcoholic fatty liver in rats via suppression of toll-like receptor 4/NF- κ B signaling: Comparison to metformin. <i>Life Sciences</i> , 2020, 253, 117725.	4.3	14
49	Isoliquiritigenin attenuates inflammation and modulates Nrf2/caspase-3 signalling in STZ-induced aortic injury. <i>Journal of Pharmacy and Pharmacology</i> , 2021, 73, 193-205.	2.4	14
50	Celecoxib aggravates cardiac apoptosis in L-NAME-induced pressure overload model in rats: Immunohistochemical determination of cardiac caspase-3, Mcl-1, Bax and Bcl-2. <i>Chemico-Biological Interactions</i> , 2017, 272, 92-106.	4.0	13
51	Diallyl trisulfide potentiates chemotherapeutic efficacy of doxorubicin in experimentally induced mammary carcinoma: Role of Notch signaling. <i>Pathology Research and Practice</i> , 2020, 216, 153139.	2.3	13
52	Cardiotoxic effect of levofloxacin and ciprofloxacin in rats with/without acute myocardial infarction: Impact on cardiac rhythm and cardiac expression of Kv4.3, Kv1.2 and Nav1.5 channels. <i>Biomedicine and Pharmacotherapy</i> , 2017, 92, 196-206.	5.6	12
53	Anticonvulsant and Neuroprotective Activities of <i>Phragmanthera austroarabica</i> Extract in Pentylentetrazole-Kindled Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-12.	1.2	12
54	Binary and ternary Cu(II) complexes of pregabalin with excitatory and inhibitory neurotransmitters and their antiepileptic effect. <i>Materials Science and Engineering C</i> , 2020, 110, 110650.	7.3	12

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55	Raspberry Ketones Attenuate Cyclophosphamide-Induced Pulmonary Toxicity in Mice through Inhibition of Oxidative Stress and NF- κ B Pathway. <i>Antioxidants</i> , 2020, 9, 1168.	5.1	12
56	Methanolic extracts of a selected Egyptian <i>Vicia faba</i> cultivar mitigate the oxidative/inflammatory burden and afford neuroprotection in a mouse model of Parkinson's disease. <i>Inflammopharmacology</i> , 2021, 29, 221-235.	3.9	12
57	Duloxetine Modulates Vincristine-Induced Painful Neuropathy in Rats. <i>Journal of Physiology and Pharmacology Advances</i> , 2014, 4, 420.	0.1	12
58	Synthesis and Biological Evaluation of New Heteroaryl Carboxylic Acid Derivatives as Anti-inflammatory-Analgesic Agents. <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 222-228.	1.3	11
59	Design and Synthesis of Pyridazine Containing Compounds with Promising Anticancer Activity. <i>Chemical and Pharmaceutical Bulletin</i> , 2017, 65, 236-247.	1.3	11
60	Nifuroxazide Mitigates Angiogenesis in Ehrlich's Solid Carcinoma: Molecular Docking, Bioinformatic and Experimental Studies on Inhibition of Il-6/Jak2/Stat3 Signaling. <i>Molecules</i> , 2021, 26, 6858.	3.8	11
61	Effect of Evening Primrose Oil and Omega-3 Polyunsaturated Fatty Acids on the Cardiovascular Risk of Celecoxib in Rats. <i>Journal of Cardiovascular Pharmacology</i> , 2011, 58, 72-79.	1.9	10
62	Evening Primrose Oil Ameliorates Hyperleptinemia and Reproductive Hormone Disturbances in Obese Female Rats: Impact on Estrus Cyclicity. <i>Frontiers in Endocrinology</i> , 2019, 10, 942.	3.5	10
63	Antitumor Activity of Nitazoxanide against Colon Cancers: Molecular Docking and Experimental Studies Based on Wnt/ β 2-Catenin Signaling Inhibition. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5213.	4.1	10
64	Aspirin and (or) omega-3 polyunsaturated fatty acids protect against corticohippocampal neurodegeneration and downregulate lipoxin A4 production and formyl peptide receptor-like 1 expression in pentylenetetrazole-kindled rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017, 95, 340-348.	1.4	9
65	Retinoprotective effect of donepezil in diabetic mice involves mitigation of excitotoxicity and activation of PI3K/mTOR/BCI2 pathway. <i>Life Sciences</i> , 2020, 262, 118467.	4.3	9
66	Formulation and Characterization of Doxycycline-Loaded Polymeric Nanoparticles for Testing Antitumor/Antiangiogenic Action in Experimental Colon Cancer in Mice. <i>Nanomaterials</i> , 2022, 12, 857.	4.1	9
67	Synthesis, spectral, thermal and insulin-enhancing properties of oxovanadium(IV) complexes of metformin Schiff-bases. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 957-969.	3.6	8
68	Chemopreventive effect of β -hederin/carboplatin combination against experimental colon hyperplasia and impact on JNK signaling. <i>Toxicology Mechanisms and Methods</i> , 2021, 31, 138-149.	2.7	7
69	Saponin-rich extract of <i>Tribulus terrestris</i> alleviates systemic inflammation and insulin resistance in dietary obese female rats: Impact on adipokine/hormonal disturbances. <i>Biomedicine and Pharmacotherapy</i> , 2022, 147, 112639.	5.6	7
70	Formulation and Characterization of O/W Nanoemulsions of Hemp Seed Oil for Protection from Steatohepatitis: Analysis of Hepatic Free Fatty Acids and Oxidation Markers. <i>Pharmaceuticals</i> , 2022, 15, 864.	3.8	7
71	Supplement With Calcium or Alendronate Suppresses Osteopenia Due to Long Term Rabeprazole Treatment in Female Mice: Influence on Bone TRAP and Osteopontin Levels. <i>Frontiers in Pharmacology</i> , 2020, 11, 583.	3.5	6
72	Differential Effect of Three Macrolide Antibiotics on Cardiac Pathology and Electrophysiology in a Myocardial Infarction Rat Model: Influence on Sodium Nav1.5 Channel Expression. <i>Pharmaceuticals</i> , 2021, 14, 597.	3.8	6

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73	Evening primrose oil or forskolin ameliorates celecoxib-enhanced upregulation of tissue factor expression in mice subjected to lipopolysaccharide-induced endotoxemia. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2017, 390, 483-492.	3.0	5
74	The anorectic agent, lorcaserin, disturbs estrous cyclicity and produces endometrial hyperplasia without affecting ovarian population in female rats. <i>Life Sciences</i> , 2017, 183, 69-77.	4.3	5
75	Leflunomide Induces Dose-Dependent Lung Injury in Mice via Stimulating Vimentin and NLRP3 Inflammasome Production. <i>Frontiers in Pharmacology</i> , 2021, 12, 631216.	3.5	5
76	Carbamazepine conquers spinal GAP43 deficiency and sciatic Nav1.5 upregulation in diabetic mice: novel mechanisms in alleviating allodynia and hyperalgesia. <i>Archives of Pharmacal Research</i> , 2020, 43, 724-734.	6.3	4
77	Possible protective effect of TNF- α inhibition and triad NO/cGMP/VEGF activation on gastric ulcer in rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2021, 99, 864-874.	1.4	4
78	Chemopreventive Effect of 5-Fluorouracil Polymeric Hybrid PLGA-Lecithin Nanoparticles against Colon Dysplasia Model in Mice and Impact on p53 Apoptosis. <i>Biomolecules</i> , 2021, 11, 109.	4.0	4
79	Novel 4-substituted-2(1H)-phthalazinone derivatives: synthesis, molecular modeling study and their effects on α -receptors. <i>Archives of Pharmacal Research</i> , 2013, 36, 671-683.	6.3	3
80	Anxiolytic and anticonvulsant activity followed by molecular docking study of ceramides from the Red Sea sponge <i>Negombata</i> sp. <i>Medicinal Chemistry Research</i> , 2019, 28, 1818-1827.	2.4	3
81	Clopidogrel or prasugrel reduces mortality and lessens cardiovascular damage from acute myocardial infarction in hypercholesterolemic male rats. <i>Life Sciences</i> , 2020, 247, 117429.	4.3	2
82	Assessment of the Safety of Olmesartan in Combination with Sorafenib in Mice Bearing Ehrlich's Ascites Carcinoma. <i>Journal of Cancer Therapy</i> , 2013, 04, 1355-1361.	0.4	2
83	The Anti-Rheumatic Drug, Leflunomide, Induces Nephrotoxicity in Mice via Upregulation of TGF β ² -Mediated p53/Smad2/3 Signaling. <i>Toxics</i> , 2022, 10, 274.	3.7	2
84	Preoperative Diagnosis Failure for a Rare Gastric Collision Tumor: A Case Report. <i>Diagnostics</i> , 2021, 11, 633.	2.6	1