

# Sawsan Abo-Bakr Zaitone

## List of Publications by Year in Descending Order

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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.

83  
papers

1,264  
citations

21  
h-index

30  
g-index

88  
ext. papers

1,625  
ext. citations

4.4  
avg, IF

5.01  
L-index

#	Paper	IF	Citations
83	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> , <b>2022</b> , 147, 112639	7.5	2
82	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> , <b>2022</b> , 151, 113072	7.5	1
81	Formulation and Characterization of Metformin-Loaded Ethosomes for Topical Application to Experimentally Induced Skin Cancer in Mice. <i>Pharmaceuticals</i> , <b>2022</b> , 15, 657	5.2	0
80	The Anti-Rheumatic Drug, Leflunomide, Induces Nephrotoxicity in Mice via Upregulation of TGF $\beta$ Mediated p53/Smad2/3 Signaling. <i>Toxics</i> , <b>2022</b> , 10, 274	4.7	
79	Novel Mechanism for Memantine in Attenuating Diabetic Neuropathic Pain in Mice via Downregulating the Spinal HMGB1/TRL4/NF-kB Inflammatory Axis. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	6
78	Leflunomide Induces Dose-Dependent Lung Injury in Mice via Stimulating Vimentin and NLRP3 Inflammasome Production. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 631216	5.6	2
77	Preoperative Diagnosis Failure for a Rare Gastric Collision Tumor: A Case Report. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	
76	Antitumor Activity of Nitazoxanide against Colon Cancers: Molecular Docking and Experimental Studies Based on Wnt/ $\beta$ Catenin Signaling Inhibition. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
75	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> , <b>2021</b> , 14,	5.2	1
74	Chemopreventive effect of Eflornithin/carboplatin combination against experimental colon hyperplasia and impact on JNK signaling. <i>Toxicology Mechanisms and Methods</i> , <b>2021</b> , 31, 138-149	3.6	3
73	Protective effect of metformin on rat diabetic retinopathy involves suppression of toll-like receptor 4/nuclear factor-k B expression and glutamate excitotoxicity. <i>International Immunopharmacology</i> , <b>2021</b> , 90, 107193	5.8	5
72	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> , <b>2021</b> , 29, 221-235	5.1	7
71	Isoliquiritigenin attenuates inflammation and modulates Nrf2/caspase-3 signalling in STZ-induced aortic injury. <i>Journal of Pharmacy and Pharmacology</i> , <b>2021</b> , 73, 193-205	4.8	3
70	Possible protective effect of TNF- $\alpha$ inhibition and triad NO/cGMP/VEGF activation on gastric ulcer in rats. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2021</b> , 99, 864-874	2.4	1
69	Chemopreventive Effect of 5-Fluorouracil Polymeric Hybrid PLGA-Lecithin Nanoparticles against Colon Dysplasia Model in Mice and Impact on p53 Apoptosis. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	1
68	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> , <b>2020</b> , 13, 84	6.1	21
67	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> , <b>2020</b> , 11, 583	5.6	4

66	Clopidogrel or prasugrel reduces mortality and lessens cardiovascular damage from acute myocardial infarction in hypercholesterolemic male rats. <i>Life Sciences</i> , <b>2020</b> , 247, 117429	6.8	2
65	Exenatide ameliorates experimental non-alcoholic fatty liver in rats via suppression of toll-like receptor 4/NFB signaling: Comparison to metformin. <i>Life Sciences</i> , <b>2020</b> , 253, 117725	6.8	7
64	Thymol Nanoemulsion: A New Therapeutic Option for Extensively Drug Resistant Foodborne Pathogens. <i>Antibiotics</i> , <b>2020</b> , 10,	4.9	27
63	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> , <b>2020</b> , 315, 108897	5	19
62	Binary and ternary Cu(II) complexes of pregabalin with excitatory and inhibitory neurotransmitters and their antiepileptic effect. <i>Materials Science and Engineering C</i> , <b>2020</b> , 110, 110650	8.3	7
61	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> , <b>2020</b> , 43, 724-734	6.1	3
60	Raspberry Ketones Attenuate Cyclophosphamide-Induced Pulmonary Toxicity in Mice through Inhibition of Oxidative Stress and NF-B Pathway. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	4
59	Synthesis and Antitumor Activity of Doxycycline Polymeric Nanoparticles: Effect on Tumor Apoptosis in Solid Ehrlich Carcinoma. <i>Molecules</i> , <b>2020</b> , 25,	4.8	9
58	Diallyl trisulfide potentiates chemotherapeutic efficacy of doxorubicin in experimentally induced mammary carcinoma: Role of Notch signaling. <i>Pathology Research and Practice</i> , <b>2020</b> , 216, 153139	3.4	8
57	Isoliquiritigenin downregulates miR-195 and attenuates oxidative stress and inflammation in STZ-induced retinal injury. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2020</b> , 393, 2375-2385	3.4	9
56	Protective effect of isoliquiritigenin on experimental diabetic nephropathy in rats: Impact on Sirt-1/NFB balance and NLRP3 expression. <i>International Immunopharmacology</i> , <b>2020</b> , 87, 106813	5.8	12
55	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> , <b>2020</b> , 205, 111344	7	8
54	Retinoprotective effect of donepezil in diabetic mice involves mitigation of excitotoxicity and activation of PI3K/mTOR/BCL pathway. <i>Life Sciences</i> , <b>2020</b> , 262, 118467	6.8	4
53	Leflunomide-induced liver injury in mice: Involvement of TLR4 mediated activation of PI3K/mTOR/NFB pathway. <i>Life Sciences</i> , <b>2019</b> , 235, 116824	6.8	14
52	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> , <b>2019</b> , 28, 1818-1827	2.2	3
51	Pregabalin affords retinal neuroprotection in diabetic rats: Suppression of retinal glutamate, microglia cell expression and apoptotic cell death. <i>Experimental Eye Research</i> , <b>2019</b> , 184, 78-90	3.7	15
50	Evening Primrose Oil Ameliorates Hyperleptinemia and Reproductive Hormone Disturbances in Obese Female Rats: Impact on Estrus Cyclicity. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 942	5.7	4
49	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> , <b>2019</b> , 13, 1089	5.1	18

48	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> , <b>2019</b> , 70, 16-27	5.8	10
47	Copper(II) ternary complexes with gabapentin and neurotransmitters as antiepileptic drug. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1180, 861-877	3.4	12
46	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> , <b>2019</b> , 71, 32-41	3.9	51
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> , <b>2018</b> , 295, 52-63	5	9
44	Renoprotective effect of nifuroxazide in diabetes-induced nephropathy: impact on NFB, oxidative stress, and apoptosis. <i>Toxicology Mechanisms and Methods</i> , <b>2018</b> , 28, 467-473	3.6	17
43	Glutamine up-regulates pancreatic sodium-dependent neutral aminoacid transporter-2 and mitigates islets apoptosis in diabetic rats. <i>Pharmacological Reports</i> , <b>2018</b> , 70, 233-242	3.9	8
42	Nifuroxazide, a STAT3 inhibitor, mitigates inflammatory burden and protects against diabetes-induced nephropathy in rats. <i>Chemico-Biological Interactions</i> , <b>2018</b> , 281, 111-120	5	40
41	Standardized Tribulus terrestris extract protects against rotenone-induced oxidative damage and nigral dopamine neuronal loss in mice. <i>Journal of Physiology and Pharmacology</i> , <b>2018</b> , 69,	2.1	6
40	Pharmacological Action of a Pregnane Glycoside, Russelloside B, in Dietary Obese Rats: Impact on Weight Gain and Energy Expenditure. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 990	5.6	17
39	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> , <b>2018</b> , 61, 8-19	5.8	26
38	Neuroprotective effect of duloxetine in a mouse model of diabetic neuropathy: Role of glia suppressing mechanisms. <i>Life Sciences</i> , <b>2018</b> , 205, 113-124	6.8	24
37	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> , <b>2017</b> , 390, 483-492	3.4	3
36	Aspirin and (or) omega-3 polyunsaturated fatty acids protect against corticohippocampal neurodegeneration and downregulate lipoxin A production and formyl peptide receptor-like 1 expression in pentylenetetrazole-kindled rats. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2017</b> , 95, 340-348	2.4	9
35	The anorectic agent, lorcaserin, disturbs estrous cyclicity and produces endometrial hyperplasia without affecting ovarian population in female rats. <i>Life Sciences</i> , <b>2017</b> , 183, 69-77	6.8	5
34	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> , <b>2017</b> , 272, 92-106	5	9
33	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> , <b>2017</b> , 92, 196-206	7.5	5
32	Synthesis, spectral, thermal and insulin-enhancing properties of oxovanadium(IV) complexes of metformin Schiff-bases. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2017</b> , 128, 957-969	4.1	5
31	Design and Synthesis of Pyridazine Containing Compounds with Promising Anticancer Activity. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2017</b> , 65, 236-247	1.9	7

30	Anticonvulsant and Neuroprotective Activities of Extract in Pentylenetetrazole-Kindled Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2017</b> , 2017, 5148219	2.3	4
29	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> , <b>2016</b> , 94, 463-76	2.4	25
28	Synthesis of New N-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> , <b>2016</b> , 39, 1611-1622	2.3	11
27	Synthesis, structure and antidiabetic activity of chromium(III) complexes of metformin Schiff-bases. <i>Journal of Molecular Structure</i> , <b>2016</b> , 1108, 60-70	3.4	28
26	Ibuprofen or piroxicam protects nigral neurons and delays the development of l-dopa induced dyskinesia in rats with experimental Parkinsonism: Influence on angiogenesis. <i>Neuropharmacology</i> , <b>2016</b> , 107, 432-450	5.5	36
25	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> , <b>2016</b> , 771, 162-72	5.3	25
24	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> , <b>2016</b> , 94, 819-28	2.4	26
23	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> , <b>2015</b> , 388, 587-600	3.4	35
22	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> , <b>2015</b> , 93, 695-708	2.4	17
21	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> , <b>2015</b> , 141, 193-201	6.8	21
20	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> , <b>2015</b> , 388, 1271-82	3.4	10
19	Mechanism of action of antiepileptic ceramide from Red Sea soft coral <i>Sarcophyton auritum</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 5819-24	2.9	17
18	Myelosuppressive and hepatotoxic potential of leflunomide and methotrexate combination in a rat model of rheumatoid arthritis. <i>Pharmacological Reports</i> , <b>2015</b> , 67, 102-14	3.9	21
17	Fluvoxamine alleviates seizure activity and downregulates hippocampal GAP-43 expression in pentylenetetrazole-kindled mice: role of 5-HT <sub>3</sub> receptors. <i>Behavioural Pharmacology</i> , <b>2015</b> , 26, 369-82	2.4	26
16	Synthesis and biological evaluation of new pyrazolone-pyridazine conjugates as anti-inflammatory and analgesic agents. <i>Bioorganic and Medicinal Chemistry</i> , <b>2014</b> , 22, 2080-9	3.4	37
15	Oltmesartan potentiates the anti-angiogenic effect of sorafenib in mice bearing Ehrlich's ascites carcinoma: role of angiotensin (1-7). <i>PLoS ONE</i> , <b>2014</b> , 9, e85891	3.7	26
14	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> , <b>2014</b> , 9, e100562	3.7	45
13	Duloxetine Modulates Vincristine-Induced Painful Neuropathy in Rats. <i>Journal of Physiology and Pharmacology Advances</i> , <b>2014</b> , 4, 420		11

12	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> , <b>2013</b> , 65, 1213-26	3.9	24
11	Novel 4-substituted-2(1H)-phthalazinone derivatives: synthesis, molecular modeling study and their effects on $\beta$ receptors. <i>Archives of Pharmacal Research</i> , <b>2013</b> , 36, 671-83	6.1	3
10	Synthesis and biological evaluation of new heteroaryl carboxylic acid derivatives as anti-inflammatory-analgesic agents. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2013</b> , 61, 222-8	1.9	8
9	Synthesis of new nicotinic acid derivatives and their evaluation as analgesic and anti-inflammatory agents. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2013</b> , 61, 933-40	1.9	10
8	Assessment of the Safety of Olmesartan in Combination with Sorafenib in Mice Bearing Ehrlich Ascites Carcinoma. <i>Journal of Cancer Therapy</i> , <b>2013</b> , 04, 1355-1361	0.2	2
7	Acetyl-L-carnitine and 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> , <b>2012</b> , 100, 347-60	3.9	101
6	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> , <b>2012</b> , 39, 551-9	3	19
5	Rosuvastatin promotes angiogenesis and reverses isoproterenol-induced acute myocardial infarction in rats: role of iNOS and VEGF. <i>European Journal of Pharmacology</i> , <b>2012</b> , 691, 134-42	5.3	62
4	Piracetam and vinpocetine ameliorate rotenone-induced Parkinsonism in rats. <i>Indian Journal of Pharmacology</i> , <b>2012</b> , 44, 774-9	2.5	47
3	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> , <b>2012</b> , 23, 417-25	2.4	13
2	Effect of evening primrose oil and $\omega$ polyunsaturated fatty acids on the cardiovascular risk of celecoxib in rats. <i>Journal of Cardiovascular Pharmacology</i> , <b>2011</b> , 58, 72-9	3.1	9
1	Pentoxifylline and melatonin in combination with pioglitazone ameliorate experimental non-alcoholic fatty liver disease. <i>European Journal of Pharmacology</i> , <b>2011</b> , 662, 70-7	5.3	47