

Mohammed M H Al-Gayyar

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.

59
papers

1,744
citations

27
h-index

39
g-index

67
ext. papers

1,973
ext. citations

4.8
avg, IF

5.07
L-index

#	Paper	IF	Citations
59	Retinal microglial activation and inflammation induced by amadori-glycated albumin in a rat model of diabetes. <i>Diabetes</i> , 2011 , 60, 1122-33	0.9	138
58	Diabetes-induced peroxynitrite impairs the balance of pro-nerve growth factor and nerve growth factor, and causes neurovascular injury. <i>Diabetologia</i> , 2011 , 54, 657-68	10.3	91
57	Thioredoxin interacting protein is a novel mediator of retinal inflammation and neurotoxicity. <i>British Journal of Pharmacology</i> , 2011 , 164, 170-80	8.6	73
56	Epicatechin blocks pro-nerve growth factor (proNGF)-mediated retinal neurodegeneration via inhibition of p75 neurotrophin receptor expression in a rat model of diabetes [corrected]. <i>Diabetologia</i> , 2011 , 54, 669-80	10.3	61
55	Antioxidant, anti-inflammatory and hepatoprotective effects of silymarin on hepatic dysfunction induced by sodium nitrite. <i>European Cytokine Network</i> , 2013 , 24, 114-21	3.3	59
54	Alteration of growth factors and neuronal death in diabetic retinopathy: what we have learned so far. <i>Molecular Vision</i> , 2011 , 17, 300-8	2.3	59
53	Cannabinoid 1 receptor activation contributes to vascular inflammation and cell death in a mouse model of diabetic retinopathy and a human retinal cell line. <i>Diabetologia</i> , 2011 , 54, 1567-78	10.3	56
52	Crocin protects against doxorubicin-induced myocardial toxicity in rats through down-regulation of inflammatory and apoptic pathways. <i>Chemico-Biological Interactions</i> , 2016 , 247, 39-48	5	47
51	Novel chemotherapeutic and renal protective effects for the green tea (EGCG): role of oxidative stress and inflammatory-cytokine signaling. <i>Phytomedicine</i> , 2010 , 17, 1067-75	6.5	46
50	Evaluation of renal protective effects of the green-tea (EGCG) and red grape resveratrol: role of oxidative stress and inflammatory cytokines. <i>Natural Product Research</i> , 2011 , 25, 850-6	2.3	45
49	Modulation of p75(NTR) prevents diabetes- and proNGF-induced retinal inflammation and blood-retina barrier breakdown in mice and rats. <i>Diabetologia</i> , 2013 , 56, 2329-39	10.3	44
48	Contribution of TNF- α to the development of retinal neurodegenerative disorders. <i>European Cytokine Network</i> , 2013 , 24, 27-36	3.3	42
47	Chemopreventive and renal protective effects for docosahexaenoic acid (DHA): implications of CRP and lipid peroxides. <i>Cell Division</i> , 2009 , 4, 6	2.8	42
46	Measurements of oxidative stress status and antioxidant activity in chronic leukaemia patients. <i>Journal of Pharmacy and Pharmacology</i> , 2007 , 59, 409-17	4.8	42
45	Neurovascular protective effect of FeTPPs in N-methyl-D-aspartate model: similarities to diabetes. <i>American Journal of Pathology</i> , 2010 , 177, 1187-97	5.8	40
44	Type 2 Diabetes Mellitus-Induced Hyperglycemia in Patients with NAFLD and Normal LFTs: Relationship to Lipid Profile, Oxidative Stress and Pro-Inflammatory Cytokines. <i>Scientia Pharmaceutica</i> , 2011 , 79, 623-34	4.3	39
43	Renal protective effects of thymoquinone against sodium nitrite-induced chronic toxicity in rats: Impact on inflammation and apoptosis. <i>Life Sciences</i> , 2017 , 180, 1-8	6.8	35

42	Chemopreventive and hepatoprotective effects of Epigallocatechin-gallate against hepatocellular carcinoma: role of heparan sulfate proteoglycans pathway. <i>Journal of Pharmacy and Pharmacology</i> , 2014 , 66, 1032-45	4.8	34
41	ABT-702, an adenosine kinase inhibitor, attenuates inflammation in diabetic retinopathy. <i>Life Sciences</i> , 2013 , 93, 78-88	6.8	33
40	Hepatoprotective effects of cod liver oil against sodium nitrite toxicity in rats. <i>Pharmaceutical Biology</i> , 2013 , 51, 1435-43	3.8	33
39	The role of IL-18 in type 1 diabetic nephropathy: The problem and future treatment. <i>Cytokine</i> , 2016 , 81, 15-22	4	32
38	Hepatoprotective and anti-tumor effects of targeting MMP-9 in hepatocellular carcinoma and its relation to vascular invasion markers. <i>Clinical and Experimental Metastasis</i> , 2015 , 32, 479-93	4.7	32
37	Diabetes and overexpression of proNGF cause retinal neurodegeneration via activation of RhoA pathway. <i>PLoS ONE</i> , 2013 , 8, e54692	3.7	31
36	Suramin inhibits hepatic tissue damage in hepatocellular carcinoma through deactivation of heparanase enzyme. <i>European Journal of Pharmacology</i> , 2014 , 728, 151-60	5.3	29
35	Relevance of serum levels of interleukin-6 and syndecan-1 in patients with hepatocellular carcinoma. <i>Scientia Pharmaceutica</i> , 2012 , 80, 179-88	4.3	29
34	Protective effects of arjunolic acid against cardiac toxicity induced by oral sodium nitrite: effects on cytokine balance and apoptosis. <i>Life Sciences</i> , 2014 , 111, 18-26	6.8	27
33	Epigallocatechin-3-Gallate Upregulates miR-221 to Inhibit Osteopontin-Dependent Hepatic Fibrosis. <i>PLoS ONE</i> , 2016 , 11, e0167435	3.7	27
32	Renal protective effects of arjunolic acid in a cisplatin-induced nephrotoxicity model. <i>Cytokine</i> , 2016 , 77, 26-34	4	26
31	Prominent chemopreventive and chemoenhancing effects for resveratrol: unraveling molecular targets and the role of C-reactive protein. <i>Chemotherapy</i> , 2010 , 56, 60-5	3.2	25
30	Oleuropein potentiates anti-tumor activity of cisplatin against HepG2 through affecting proNGF/NGF balance. <i>Life Sciences</i> , 2018 , 198, 87-93	6.8	22
29	Potential roles of adenosine deaminase-2 in diabetic retinopathy. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 436, 355-61	3.4	22
28	Reno-protective effect of NECA in diabetic nephropathy: implication of IL-18 and ICAM-1. <i>European Cytokine Network</i> , 2012 , 23, 78-86	3.3	22
27	Nephroprotective role of dipyridamole in diabetic nephropathy: Effect on inflammation and apoptosis. <i>Life Sciences</i> , 2015 , 143, 8-17	6.8	21
26	Chemopreventive and hepatoprotective roles of adiponectin (SULF2 inhibitor) in hepatocellular carcinoma. <i>Biological Chemistry</i> , 2016 , 397, 257-67	4.5	21
25	Nigella sativa oil attenuates chronic nephrotoxicity induced by oral sodium nitrite: Effects on tissue fibrosis and apoptosis. <i>Redox Report</i> , 2016 , 21, 50-60	5.9	21

24	Evaluation of renal protective effects of inhibiting TGF- β type I receptor in a cisplatin-induced nephrotoxicity model. <i>European Cytokine Network</i> , 2013 , 24, 139-47	3.3	20
23	Electroporation-mediated gene delivery of cleavage-resistant pro-nerve growth factor causes retinal neuro- and vascular degeneration. <i>Molecular Vision</i> , 2012 , 18, 2993-3003	2.3	18
22	Cytotoxic and partial hepatoprotective activity of sodium ascorbate against hepatocellular carcinoma through inhibition of sulfatase-2 in vivo and in vitro. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 103, 362-372	7.5	17
21	Fish oil improves lipid metabolism and ameliorates inflammation in patients with metabolic syndrome: impact of nonalcoholic fatty liver disease. <i>Pharmaceutical Biology</i> , 2012 , 50, 297-303	3.8	17
20	The therapeutic effects of nicotinamide in hepatocellular carcinoma through blocking IGF-1 and effecting the balance between Nrf2 and PKB. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 112, 108653	7.5	16
19	Targeting p53/TRAIL/caspase-8 signaling by adiponectin reverses thioacetamide-induced hepatocellular carcinoma in rats. <i>Environmental Toxicology and Pharmacology</i> , 2019 , 72, 103240	5.8	14
18	Evaluation of antiglypican-3 therapy as a promising target for amelioration of hepatic tissue damage in hepatocellular carcinoma. <i>European Journal of Pharmacology</i> , 2015 , 746, 353-62	5.3	14
17	Thymoquinone ameliorated elevated inflammatory cytokines in testicular tissue and sex hormones imbalance induced by oral chronic toxicity with sodium nitrite. <i>Cytokine</i> , 2016 , 83, 64-74	4	13
16	Cod liver oil in sodium nitrite induced hepatic injury: does it have a potential protective effect?. <i>Redox Report</i> , 2015 , 20, 11-6	5.9	11
15	Cod liver oil ameliorates sodium nitrite-induced insulin resistance and degradation of rat hepatic glycogen through inhibition of cAMP/PKA pathway. <i>Life Sciences</i> , 2015 , 120, 13-21	6.8	11
14	Clinical significance of the TNF- β receptors, TNFRSF2 and TNFRSF9, on cell migration molecules Fascin-1 and Versican in acute leukemia. <i>Cytokine</i> , 2018 , 111, 523-529	4	11
13	Thymoquinone ameliorates testicular tissue inflammation induced by chronic administration of oral sodium nitrite. <i>Andrologia</i> , 2016 , 48, 501-8	2.4	11
12	Anti-tumor activity of arjunolic acid against Ehrlich Ascites Carcinoma cells in vivo and in vitro through blocking TGF- β type 1 receptor. <i>Biomedicine and Pharmacotherapy</i> , 2016 , 82, 28-34	7.5	9
11	Selective cytotoxic activity and protective effects of sodium ascorbate against hepatocellular carcinoma through its effect on oxidative stress and apoptosis and. <i>Redox Report</i> , 2020 , 25, 17-25	5.9	5
10	Measuring serum levels of glycosaminoglycans for prediction and using viscum fraxini-2 for treatment of patients with hepatocellular carcinoma. <i>Journal of Pharmacy Research</i> , 2013 , 7, 571-575		4
9	Circulating adiponectin: a potential prognostic marker for hepatocellular carcinoma. <i>Chinese-German Journal of Clinical Oncology</i> , 2011 , 10, 570-574		4
8	Fucoidan Ameliorates Hepatocellular Carcinoma Induced in Rats: Effect on miR143 and Inflammation. <i>Nutrition and Cancer</i> , 2021 , 73, 1498-1510	2.8	4
7	Effect of simvastatin on inflammatory cytokines balance in air pouch granuloma model. <i>Inflammation and Allergy: Drug Targets</i> , 2014 , 13, 74-9		3

6	Glycyrrhizic acid ameliorates sodium nitrite-induced lung and salivary gland toxicity: Impact on oxidative stress, inflammation and fibrosis. <i>Human and Experimental Toxicology</i> , 2021 , 40, 707-721	3.4	3
5	Measuring the appropriateness of carbamazepine and valproic acid prescribing and utilization using a newly implemented online system in the Tabuk Region of Saudi Arabia. <i>Saudi Pharmaceutical Journal</i> , 2020 , 28, 844-849	4.4	2
4	Therapeutic effects of blocking Eatenin against hepatocellular carcinoma-induced activation of inflammation, fibrosis and tumor invasion. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 135, 111216	7.5	2
3	Heparan sulfate proteoglycans and their modification as promising anticancer targets in hepatocellular carcinoma. <i>Oncology Letters</i> , 2021 , 21, 173	2.6	2
2	Chemopreventive and hepatoprotective effects of genistein via inhibition of oxidative stress and the versican/PDGF/PKC signaling pathway in experimentally induced hepatocellular carcinoma in rats by thioacetamide.. <i>Redox Report</i> , 2022 , 27, 9-20	5.9	1
1	QNZ alleviated hepatocellular carcinoma by targeting inflammatory pathways in a rat model. <i>Cytokine</i> , 2021 , 148, 155710	4	0