

Khalid M Alkharfy

List of Publications by Year in descending order

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95
papers

2,288
citations

186265
28
h-index

254184
43
g-index

97
all docs

97
docs citations

97
times ranked

3520
citing authors

#	ARTICLE	IF	CITATIONS
1	Diabetes mellitus type 2 and other chronic non-communicable diseases in the central region, Saudi Arabia (riyadh cohort 2): a decade of an epidemic. <i>BMC Medicine</i> , 2011, 9, 76.	5.5	203
2	Momordica charantia polysaccharides ameliorate oxidative stress, inflammation, and apoptosis in ethanol-induced gastritis in mucosa through NF- κ B signaling pathway inhibition. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 193-199.	7.5	109
3	Pharmacokinetic plasma behaviors of intravenous and oral bioavailability of thymoquinone in a rabbit model. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2015, 40, 319-323.	1.6	86
4	Application of Box-Behnken design for ultrasonic-assisted extraction of polysaccharides from <i>Paeonia emodi</i> . <i>International Journal of Biological Macromolecules</i> , 2015, 72, 990-997.	7.5	85
5	Association of VDR-gene variants with factors related to the metabolic syndrome, type 2 diabetes and vitamin D deficiency. <i>Gene</i> , 2014, 542, 129-133.	2.2	81
6	Sinapic acid ameliorate cadmium-induced nephrotoxicity: In vivo possible involvement of oxidative stress, apoptosis, and inflammation via NF- κ B downregulation. <i>Environmental Toxicology and Pharmacology</i> , 2017, 51, 100-107.	4.0	81
7	Oral bioavailability enhancement and hepatoprotective effects of thymoquinone by self-nanoemulsifying drug delivery system. <i>Materials Science and Engineering C</i> , 2017, 76, 319-329.	7.3	75
8	Momordica charantia polysaccharides mitigate the progression of STZ induced diabetic nephropathy in rats. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 394-399.	7.5	71
9	Vitamin D Receptor Gene Polymorphisms Are Associated with Obesity and Inflammation Activity. <i>PLoS ONE</i> , 2014, 9, e102141.	2.5	69
10	GAIIP Interacting Protein C-Terminus Regulates Autophagy and Exosome Biogenesis of Pancreatic Cancer through Metabolic Pathways. <i>PLoS ONE</i> , 2014, 9, e114409.	2.5	59
11	Gastroprotective Effect of Sinapic Acid on Ethanol-Induced Gastric Ulcers in Rats: Involvement of Nrf2/HO-1 and NF- κ B Signaling and Antiapoptotic Role. <i>Frontiers in Pharmacology</i> , 2021, 12, 622815.	3.5	52
12	The protective effect of thymoquinone against sepsis syndrome morbidity and mortality in mice. <i>International Immunopharmacology</i> , 2011, 11, 250-254.	3.8	46
13	Influence of Vitamin D Treatment on Transcriptional Regulation of Insulin-Sensitive Genes. <i>Metabolic Syndrome and Related Disorders</i> , 2013, 11, 283-288.	1.3	45
14	Hepatoprotective activity of <i>Lepidium sativum</i> seeds against D-galactosamine/lipopolysaccharide induced hepatotoxicity in animal model. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 501.	3.7	45
15	Pharmacological Basis for the Medicinal Use of <i>Lepidium sativum</i> in Airways Disorders. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-8.	1.2	43
16	Does visceral adiposity index signify early metabolic risk in children and adolescents?: Association with insulin resistance, adipokines, and subclinical inflammation. <i>Pediatric Research</i> , 2014, 75, 459-463.	2.3	43
17	Sinapic Acid Ameliorates Oxidative Stress, Inflammation, and Apoptosis in Acute Doxorubicin-Induced Cardiotoxicity via the NF- κ B-Mediated Pathway. <i>BioMed Research International</i> , 2020, 2020, 1-10.	1.9	42
18	Development of Liposomal Formulation for Delivering Anticancer Drug to Breast Cancer Stem-Cell-Like Cells and its Pharmacokinetics in an Animal Model. <i>Molecular Pharmaceutics</i> , 2016, 13, 1081-1088.	4.6	38

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19	Studies on Antidiarrheal and Antispasmodic Activities of <i>Lepidium sativum</i> Crude Extract in Rats. <i>Phytotherapy Research</i> , 2012, 26, 136-141.	5.8	34
20	Saudi Arabia, pharmacists and COVID-19 pandemic. <i>Journal of Pharmaceutical Policy and Practice</i> , 2020, 13, 41.	2.4	34
21	Covid-19 and thymoquinone: Connecting the dots. <i>Phytotherapy Research</i> , 2020, 34, 2786-2789.	5.8	34
22	Effect of Ceftazidime on Systemic Cytokine Concentrations in Rats. <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 3217-3219.	3.2	33
23	Serum Retinol-Binding Protein 4 as a Marker for Cardiovascular Disease in Women. <i>PLoS ONE</i> , 2012, 7, e48612.	2.5	33
24	Thymoquinone reduces mortality and suppresses early acute inflammatory markers of sepsis in a mouse model. <i>Biomedicine and Pharmacotherapy</i> , 2018, 98, 801-805.	5.6	32
25	Beetroot juice alleviates isoproterenol-induced myocardial damage by reducing oxidative stress, inflammation, and apoptosis in rats. <i>3 Biotech</i> , 2019, 9, 147.	2.2	31
26	Thymoquinone treatment modulates the Nrf2/HO-1 signaling pathway and abrogates the inflammatory response in an animal model of lung fibrosis. <i>Experimental Lung Research</i> , 2020, 46, 53-63.	1.2	30
27	Solubility, solubility parameters and solution thermodynamics of thymoquinone in different mono solvents. <i>Journal of Molecular Liquids</i> , 2018, 272, 912-918.	4.9	29
28	Directly compressed rosuvastatin calcium tablets that offer hydrotropic and micellar solubilization for improved dissolution rate and extent of drug release. <i>Saudi Pharmaceutical Journal</i> , 2019, 27, 619-628.	2.7	29
29	An alternative approach to minimize the risk of coronavirus (Covid-19) and similar infections. <i>European Review for Medical and Pharmacological Sciences</i> , 2020, 24, 4030-4034.	0.7	29
30	Sinapic acid ameliorates cardiac dysfunction and cardiomyopathy by modulating NF- κ B and Nrf2/HO-1 signaling pathways in streptozocin induced diabetic rats. <i>Biomedicine and Pharmacotherapy</i> , 2022, 145, 112412.	5.6	27
31	Hepatoprotective effect of <i>Commiphora myrrha</i> against GalN/LPS-induced hepatic injury in a rat model through attenuation of pro inflammatory cytokines and related genes. <i>Pharmaceutical Biology</i> , 2015, 53, 1759-1767.	2.9	25
32	Thymoquinone modulates nitric oxide production and improves organ dysfunction of sepsis. <i>Life Sciences</i> , 2015, 143, 131-138.	4.3	24
33	Effects of Selected Bioactive Natural Products on the Vascular Endothelium. <i>Journal of Cardiovascular Pharmacology</i> , 2013, 62, 111-121.	1.9	23
34	Calcitriol Attenuates Weight-Related Systemic Inflammation and Ultrastructural Changes in the Liver in a Rodent Model. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2013, 112, 42-49.	2.5	21
35	Inhibition of Endoglin-GIPC Interaction Inhibits Pancreatic Cancer Cell Growth. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 2264-2275.	4.1	20
36	Glucocorticoid Receptor-Targeted Liposomal Codelivery of Lipophilic Drug and Anti-Hsp90 Gene: Strategy to Induce Drug-Sensitivity, EMT-Reversal, and Reduced Malignancy in Aggressive Tumors. <i>Molecular Pharmaceutics</i> , 2016, 13, 2507-2523.	4.6	20

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37	Hypovitaminosis D and cardiometabolic risk factors among non-obese youth. <i>Open Medicine (Poland)</i> , 2010, 5, 752-757.	1.3	19
38	Direct Medical Cost and Glycemic Control in Type 2 Diabetic Saudi Patients. <i>Applied Health Economics and Health Policy</i> , 2013, 11, 671-675.	2.1	19
39	Effect of valerian, valerian/hops extracts, and valerenic acid on glucuronidation in vitro. <i>Xenobiotica</i> , 2007, 37, 113-123.	1.1	18
40	Effects of <i>Lepidium sativum</i> , <i>Nigella sativa</i> and <i>Trigonella foenum-graecum</i> on Phenytoin Pharmacokinetics in Beagle Dogs. <i>Phytotherapy Research</i> , 2013, 27, 1800-1804.	5.8	18
41	Myricetin (3,3',4',5,5',7-Hexahydroxyflavone) Prevents 5-Fluorouracil-Induced Cardiotoxicity. <i>ACS Omega</i> , 2022, 7, 4514-4524.	3.5	18
42	Simple and sensitive LC-ESI-MS method for the quantitation of sildenafil in plasma samples. <i>Journal of Separation Science</i> , 2009, 32, 3866-3870.	2.5	17
43	Variants of endothelial nitric oxide synthase gene are associated with components of metabolic syndrome in an Arab population. <i>Endocrine Journal</i> , 2012, 59, 253-263.	1.6	16
44	HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY OF THYMOQUINONE IN RABBIT PLASMA AND ITS APPLICATION TO PHARMACOKINETICS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013, 36, 2242-2250.	1.0	16
45	Vitamin D Supplementation and Serum Levels of Magnesium and Selenium in Type 2 Diabetes Mellitus Patients: Gender Dimorphic Changes. <i>International Journal for Vitamin and Nutrition Research</i> , 2014, 84, 27-34.	1.5	16
46	Pharmacokinetics of diclofenac in sheep following intravenous and intramuscular administration. <i>Veterinary Anaesthesia and Analgesia</i> , 2006, 33, 241-245.	0.6	14
47	Nanomedicine: pharmacological perspectives. <i>Nanotechnology Reviews</i> , 2012, 1, .	5.8	14
48	Effects of Thymoquinone on the Pharmacokinetics and Pharmacodynamics of Glibenclamide in a Rat Model. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	14
49	Effects of fenugreek, garden cress, and black seed on theophylline pharmacokinetics in beagle dogs. <i>Pharmaceutical Biology</i> , 2015, 53, 296-300.	2.9	14
50	Effects of <i>Nigella sativa</i> , <i>Lepidium sativum</i> and <i>Trigonella foenum-graecum</i> on sildenafil disposition in beagle dogs. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2015, 40, 219-224.	1.6	14
51	Endothelium-Dependent Contractions of Isolated Arteries to Thymoquinone Require Biased Activity of Soluble Guanylyl Cyclase with Subsequent Cyclic IMP Production. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 358, 558-568.	2.5	14
52	Endothelial Nitric Oxide Synthase Gene Polymorphisms (894G > T and 786T > C) and Risk of Coronary Artery Disease in a Saudi Population. <i>Archives of Medical Research</i> , 2010, 41, 134-141.	3.3	13
53	Heparin-induced thrombocytopenia: comparison between response to fondaparinux and lepirudin. <i>International Journal of Clinical Pharmacy</i> , 2011, 33, 997-1001.	2.1	13
54	Effects of <i>Paeonia emodi</i> on hepatic cytochrome P450 (CYP3A2 and CYP2C11) expression and pharmacokinetics of carbamazepine in rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 90, 694-698.	5.6	13

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55	Effects of sinapic acid on hepatic cytochrome P450 3A2, 2C11, and intestinal P-glycoprotein on the pharmacokinetics of oral carbamazepine in rats: Potential food/herb-drug interaction. <i>Epilepsy Research</i> , 2019, 153, 14-18.	1.6	13
56	Tocilizumab and Systemic Corticosteroids in the Management of Patients with COVID-19: A Systematic Review and Meta-Analysis. <i>International Journal of Infectious Diseases</i> , 2021, 110, 320-329.	3.3	13
57	N-acetyltransferase 1 and 2 polymorphisms and risk of diabetes mellitus type 2 in a Saudi population. <i>Annals of Saudi Medicine</i> , 2015, 35, 214-221.	1.1	13
58	Lepidium Sativum but not Nigella Sativa Affects Carbamazepine Disposition in an Animal Model. <i>Drug Metabolism Letters</i> , 2013, 7, 47-51.	0.8	11
59	Influence of Overt Diabetes Mellitus on Cyclosporine Pharmacokinetics in a Canine Model. <i>Experimental Diabetes Research</i> , 2009, 2009, 1-6.	3.8	10
60	Effects of Vitamin D Treatment on Skeletal Muscle Histology and Ultrastructural Changes in a Rodent Model. <i>Molecules</i> , 2012, 17, 9081-9089.	3.8	10
61	Distribution of selected gene polymorphisms of UGT1A1 in a Saudi population. <i>Archives of Medical Science</i> , 2013, 4, 731-738.	0.9	10
62	Antioxidant Potential and In Situ Analysis of Major and Trace Element Determination of Ood-saleeb, a Known Unani Herbal Medicine by ICP-MS. <i>Biological Trace Element Research</i> , 2016, 172, 521-527.	3.5	10
63	Effect of sinapic acid on aripiprazole pharmacokinetics in rats: Possible food drug interaction. <i>Journal of Food and Drug Analysis</i> , 2019, 27, 332-338.	1.9	10
64	Sinapic acid mitigates methotrexate-induced hepatic injuries in rats through modulation of Nrf2/HO-1 signaling. <i>Environmental Toxicology</i> , 2021, 36, 1261-1268.	4.0	10
65	Eudragit-Coated Sporopollenin Exine Microcapsules (SEMC) of Phoenix dactylifera L. of 5-Fluorouracil for Colon-Specific Drug Delivery. <i>Pharmaceutics</i> , 2021, 13, 1921.	4.5	10
66	Modulation of CYP2D6 and CYP3A4 metabolic activities by Ferula asafetida resin. <i>Saudi Pharmaceutical Journal</i> , 2014, 22, 564-569.	2.7	9
67	Inhibitory effects of Lepidium sativum polysaccharide extracts on TNF- α production in Escherichia coli-stimulated mouse. <i>3 Biotech</i> , 2018, 8, 286.	2.2	9
68	NITRIC OXIDE PATHWAY AS A POTENTIAL THERAPEUTIC TARGET IN COVID-19. <i>Farmacia</i> , 2020, 68, 966-969.	0.4	9
69	Gender effect on the pharmacokinetics of thymoquinone: Preclinical investigation and in silico modeling in male and female rats. <i>Saudi Pharmaceutical Journal</i> , 2020, 28, 403-408.	2.7	8
70	Effect of Garden Cress Seeds Powder and Its Alcoholic Extract on the Metabolic Activity of CYP2D6 and CYP3A4. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-6.	1.2	7
71	Effect of compromised liver function and acute kidney injury on the pharmacokinetics of thymoquinone in a rat model. <i>Xenobiotica</i> , 2020, 50, 858-862.	1.1	7
72	The potential role of thymoquinone in preventing the cardiovascular complications of COVID-19. <i>Vascular Pharmacology</i> , 2021, 141, 106899.	2.1	7

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73	Effect of the Acute Phase Response Induced by Endotoxin Administration on the Expression and Activity of UGT Isoforms in Rats. <i>Drug Metabolism Letters</i> , 2008, 2, 248-255.	0.8	6
74	GC-MS-based Metabolomic Profiling of Thymoquinone in Streptozotocin-induced Diabetic Nephropathy in Rats. <i>Natural Product Communications</i> , 2017, 12, 1934578X1701200.	0.5	6
75	Studies on Bronchodilator Activity of <i>Salvia officinalis</i> (Sage): Possible Involvement of K^{+} Channel Activation and Phosphodiesterase Inhibition. <i>Phytotherapy Research</i> , 2015, 29, 1323-1329.	5.8	5
76	Optimization of the extraction condition for benzyl isothiocyanate contents in <i>Salvadora persica</i> roots. <i>Saudi Pharmaceutical Journal</i> , 2019, 27, 753-755.	2.7	4
77	A Sensitive Rapid and Environmentally Friendly UHPLC Assay Method for the Determination of Thymoquinone in Plasma Samples and Its Analytical Application. <i>Journal of Chromatographic Science</i> , 2020, 58, 629-635.	1.4	4
78	Enriched pharmacokinetic behavior and antitumor efficacy of thymoquinone by liposomal delivery. <i>Nanomedicine</i> , 2021, 16, 641-656.	3.3	4
79	Thymoquinone modulates the expression of sepsis-related microRNAs in a CLP model. <i>Experimental and Therapeutic Medicine</i> , 2022, 23, 395.	1.8	4
80	Prevalence of UDP-glucuronosyltransferase polymorphisms (UGT1A6 ⁻² , 1A7 ⁻¹² , 1A8 ⁻³ , 1A9 ⁻³ , 2B7 ⁻² , and Tj ₅ ETQq0 0 0 2:7 3	2.7	3
81	Effects of calcitriol on structural changes of kidney in C57BL/6J mouse model. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 12390-6.	1.3	3
82	Thymoquinone Attenuates Retinal Expression of Mediators and Markers of Neurodegeneration in a Diabetic Animal Model. <i>Current Molecular Pharmacology</i> , 2022, 15, .	1.5	3
83	Liquid chromatographic assay of abouthiouzine in plasma and its application to pharmacokinetic studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 817, 183-186.	2.3	1
84	Effect of aminoglycoside dosing on magnesium levels in hospitalised patients. <i>International Journal of Antimicrobial Agents</i> , 2007, 30, 189-190.	2.5	1
85	Quantification of lipid modified estrogenic derivative (ESC8) in rat plasma by LC-MS: application to a pharmacokinetic study. <i>Biomedical Chromatography</i> , 2016, 30, 2024-2030.	1.7	1
86	Pantoprazole reduces vascular relaxation in-vitro and ex-vivo and interferes with blood coagulation in an animal model. <i>Biomedicine and Pharmacotherapy</i> , 2018, 104, 537-541.	5.6	1
87	Evaluation of the in vivo genotoxicity of liposomal formulation for delivering anticancer estrogenic derivative (ESC8) in a mouse model. <i>Saudi Pharmaceutical Journal</i> , 2019, 27, 637-642.	2.7	1
88	Protective effect of chrysin, a flavonoid, on the genotoxic activity of carboplatin in mice. <i>Drug and Chemical Toxicology</i> , 2022, 45, 2146-2152.	2.3	1
89	Solvent-free Mechano-chemical Synthesis of New Omeprazole Derived Metal Complexes: Characterization, Urease Inhibitory Kinetics and Selective Anti-Helicobacter pylori Activity. <i>Letters in Drug Design and Discovery</i> , 2018, 15, .	0.7	1
90	Clopidogrel-herb Interactions: A Pharmacokinetic and Pharmacodynamic Assessment in a Rat Model. <i>Current Drug Metabolism</i> , 2021, 22, 969-977.	1.2	1

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91	Cytochrome P450 3A2 and PGP-MDR1-Mediated Pharmacokinetic Interaction of Sinapic Acid with Ibrutinib in Rats: Potential Food/Herb-Drug Interaction. <i>Processes</i> , 2022, 10, 1066.	2.8	1
92	Disposition of abouthiouzine: a novel antihyperthyroid drug. <i>Biopharmaceutics and Drug Disposition</i> , 2007, 28, 105-111.	1.9	0
93	Endothelial Nitric Oxide Synthase Gene Polymorphisms (894G> T and 786T> C) and Risk of Coronary Artery Disease. <i>FASEB Journal</i> , 2010, 24, 682.1.	0.5	0
94	Positive association between obese postmenopausal women and breast cancer markers. <i>FASEB Journal</i> , 2011, 25, .	0.5	0
95	Adipocytokines as potential biomarkers for breast and prostate cancers. <i>FASEB Journal</i> , 2012, 26, 569.1.	0.5	0