

Khalid M Alkharfy

List of Publications by Year in descending order

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95
papers

2,288
citations

186209
28
h-index

254106
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. | 2.3 | 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. | 3.6 | 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. | 0.6 | 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. | 3.6 | 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. | 1.0 | 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. | 2.0 | 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. | 3.8 | 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. | 3.6 | 71 |
| 9 | Vitamin D Receptor Gene Polymorphisms Are Associated with Obesity and Inflammation Activity. <i>PLoS ONE</i> , 2014, 9, e102141. | 1.1 | 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. | 1.1 | 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. | 1.6 | 52 |
| 12 | The protective effect of thymoquinone against sepsis syndrome morbidity and mortality in mice. <i>International Immunopharmacology</i> , 2011, 11, 250-254. | 1.7 | 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. | 0.5 | 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. | 0.5 | 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. | 1.1 | 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. | 0.9 | 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. | 2.3 | 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. | 2.8 | 34 |
| 20 | Saudi Arabia, pharmacists and COVID-19 pandemic. <i>Journal of Pharmaceutical Policy and Practice</i> , 2020, 13, 41. | 1.1 | 34 |
| 21 | Covid-19 and thymoquinone: Connecting the dots. <i>Phytotherapy Research</i> , 2020, 34, 2786-2789. | 2.8 | 34 |
| 22 | Effect of Ceftazidime on Systemic Cytokine Concentrations in Rats. <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 3217-3219. | 1.4 | 33 |
| 23 | Serum Retinol-Binding Protein 4 as a Marker for Cardiovascular Disease in Women. <i>PLoS ONE</i> , 2012, 7, e48612. | 1.1 | 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. | 2.5 | 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. | 1.1 | 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. | 0.5 | 30 |
| 27 | Solubility, solubility parameters and solution thermodynamics of thymoquinone in different mono solvents. <i>Journal of Molecular Liquids</i> , 2018, 272, 912-918. | 2.3 | 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. | 1.2 | 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. | 0.5 | 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. | 2.5 | 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. | 1.3 | 25 |
| 32 | Thymoquinone modulates nitric oxide production and improves organ dysfunction of sepsis. <i>Life Sciences</i> , 2015, 143, 131-138. | 2.0 | 24 |
| 33 | Effects of Selected Bioactive Natural Products on the Vascular Endothelium. <i>Journal of Cardiovascular Pharmacology</i> , 2013, 62, 111-121. | 0.8 | 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. | 1.2 | 21 |
| 35 | Inhibition of Endoglin-GIPC Interaction Inhibits Pancreatic Cancer Cell Growth. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 2264-2275. | 1.9 | 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. | 2.3 | 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. | 0.6 | 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. | 1.0 | 19 |
| 39 | Effect of valerian, valerian/hops extracts, and valerenic acid on glucuronidation in vitro. <i>Xenobiotica</i> , 2007, 37, 113-123. | 0.5 | 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. | 2.8 | 18 |
| 41 | Myricetin (3,3,4,5,5,7-Hexahydroxyflavone) Prevents 5-Fluorouracil-Induced Cardiotoxicity. <i>ACS Omega</i> , 2022, 7, 4514-4524. | 1.6 | 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. | 1.3 | 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. | 0.7 | 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. | 0.5 | 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. | 0.6 | 16 |
| 46 | Pharmacokinetics of diclofenac in sheep following intravenous and intramuscular administration. <i>Veterinary Anaesthesia and Analgesia</i> , 2006, 33, 241-245. | 0.3 | 14 |
| 47 | Nanomedicine: pharmacological perspectives. <i>Nanotechnology Reviews</i> , 2012, 1, . | 2.6 | 14 |
| 48 | Effects of Thymoquinone on the Pharmacokinetics and Pharmacodynamics of Glibenclamide in a Rat Model. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000. | 0.2 | 14 |
| 49 | Effects of fenugreek, garden cress, and black seed on theophylline pharmacokinetics in beagle dogs. <i>Pharmaceutical Biology</i> , 2015, 53, 296-300. | 1.3 | 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. | 0.6 | 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. | 1.3 | 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. | 1.5 | 13 |
| 53 | Heparin-induced thrombocytopenia: comparison between response to fondaparinux and lepirudin. <i>International Journal of Clinical Pharmacy</i> , 2011, 33, 997-1001. | 1.0 | 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. | 2.5 | 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. | 0.8 | 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. | 1.5 | 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. | 0.5 | 13 |
| 58 | Lepidium Sativum but not Nigella Sativa Affects Carbamazepine Disposition in an Animal Model. <i>Drug Metabolism Letters</i> , 2013, 7, 47-51. | 0.5 | 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. | 1.7 | 10 |
| 61 | Distribution of selected gene polymorphisms of UGT1A1 in a Saudi population. <i>Archives of Medical Science</i> , 2013, 4, 731-738. | 0.4 | 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. | 1.9 | 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. | 0.9 | 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. | 2.1 | 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. | 2.0 | 10 |
| 66 | Modulation of CYP2D6 and CYP3A4 metabolic activities by Ferula asafetida resin. <i>Saudi Pharmaceutical Journal</i> , 2014, 22, 564-569. | 1.2 | 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. | 1.1 | 9 |
| 68 | NITRIC OXIDE PATHWAY AS A POTENTIAL THERAPEUTIC TARGET IN COVID-19. <i>Farmacia</i> , 2020, 68, 966-969. | 0.1 | 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. | 1.2 | 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. | 0.5 | 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. | 0.5 | 7 |
| 72 | The potential role of thymoquinone in preventing the cardiovascular complications of COVID-19. <i>Vascular Pharmacology</i> , 2021, 141, 106899. | 1.0 | 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. | 0.5 | 6 |
| 74 | GC-MS-based Metabolomic Profiling of Thymoquinone in Streptozotocin-induced Diabetic Nephropathy in Rats. <i>Natural Product Communications</i> , 2017, 12, 1934578X1701200. | 0.2 | 6 |
| 75 | Studies on Bronchodilator Activity of <i>Salvia officinalis</i> (Sage): Possible Involvement of $K^{sup}+$ Channel Activation and Phosphodiesterase Inhibition. <i>Phytotherapy Research</i> , 2015, 29, 1323-1329. | 2.8 | 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. | 1.2 | 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. | 0.7 | 4 |
| 78 | Enriched pharmacokinetic behavior and antitumor efficacy of thymoquinone by liposomal delivery. <i>Nanomedicine</i> , 2021, 16, 641-656. | 1.7 | 4 |
| 79 | Thymoquinone modulates the expression of sepsis-related microRNAs in a CLP model. <i>Experimental and Therapeutic Medicine</i> , 2022, 23, 395. | 0.8 | 4 |
| 80 | Prevalence of UDP-glucuronosyltransferase polymorphisms (UGT1A6 ⁻² , 1A7 ⁻¹² , 1A8 ⁻³ , 1A9 ⁻³ , 2B7 ⁻² , and Tj ₅ ETQq0 0 0 | 1.2 | 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, . | 0.7 | 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. | 1.2 | 1 |
| 84 | Effect of aminoglycoside dosing on magnesium levels in hospitalised patients. <i>International Journal of Antimicrobial Agents</i> , 2007, 30, 189-190. | 1.1 | 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. | 0.8 | 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. | 2.5 | 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. | 1.2 | 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. | 1.2 | 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, . | 0.4 | 1 |
| 90 | Clopidogrel-herb Interactions: A Pharmacokinetic and Pharmacodynamic Assessment in a Rat Model. <i>Current Drug Metabolism</i> , 2021, 22, 969-977. | 0.7 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 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. | 1.3 | 1 |
| 92 | Disposition of abouthiouzine: a novel antihyperthyroid drug. <i>Biopharmaceutics and Drug Disposition</i> , 2007, 28, 105-111. | 1.1 | 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. | 0.2 | 0 |
| 94 | Positive association between obese postmenopausal women and breast cancer markers. <i>FASEB Journal</i> , 2011, 25, . | 0.2 | 0 |
| 95 | Adipocytokines as potential biomarkers for breast and prostate cancers. <i>FASEB Journal</i> , 2012, 26, 569.1. | 0.2 | 0 |