

Ajaz Ahmad

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/620123/publications.pdf>

Version: 2024-02-01

108
papers

2,979
citations

147801

31
h-index

214800

47
g-index

108
all docs

108
docs citations

108
times ranked

3331
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Vector mosquito image classification using novel RIFS feature selection and machine learning models for disease epidemiology. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 583-594.	3.8	15
3	Defense interplay of the zinc-oxide nanoparticles and melatonin in alleviating the arsenic stress in soybean (<i>Glycine max L.</i>). <i>Chemosphere</i> , 2022, 288, 132471.	8.2	45
4	Sinaptic 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
5	Newly-synthesized iron-oxide nanoparticles showed synergetic effect with citric acid for alleviating arsenic phytotoxicity in soybean. <i>Environmental Pollution</i> , 2022, 295, 118693.	7.5	15
6	Efficacy of citric acid chelate and <i>Bacillus sp.</i> in amelioration of cadmium and chromium toxicity in wheat. <i>Chemosphere</i> , 2022, 290, 133342.	8.2	29
7	Comparative analysis of iron oxide nanoparticles synthesized from ginger (<i>Zingiber officinale</i>) and cumin seeds (<i>Cuminum cyminum</i>) to induce resistance in wheat against drought stress. <i>Chemosphere</i> , 2022, 292, 133201.	8.2	40
8	Ameliorative effects of plant growth promoting bacteria, zinc oxide nanoparticles and oxalic acid on <i>Luffa acutangula</i> grown on arsenic enriched soil. <i>Environmental Pollution</i> , 2022, 300, 118889.	7.5	35
9	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
10	Myricetin (3,3,4,5,5,7-Hexahydroxyflavone) Prevents 5-Fluorouracil-Induced Cardiotoxicity. <i>ACS Omega</i> , 2022, 7, 4514-4524.	3.5	18
11	Reactive Oxygen Species in Plants: From Source to Sink. <i>Antioxidants</i> , 2022, 11, 225.	5.1	197
12	Thermodynamic Solubility Profile of Temozolomide in Different Commonly Used Pharmaceutical Solvents. <i>Molecules</i> , 2022, 27, 1437.	3.8	5
13	COVID-19 Vaccination-Related Sentiments Analysis: A Case Study Using Worldwide Twitter Dataset. <i>Healthcare (Switzerland)</i> , 2022, 10, 411.	2.0	18
14	Coactive role of zinc oxide nanoparticles and plant growth promoting rhizobacteria for mitigation of synchronized effects of heat and drought stress in wheat plants. <i>Chemosphere</i> , 2022, 297, 133982.	8.2	50
15	Thymoquinone modulates the expression of sepsis-related microRNAs in a CLP model. <i>Experimental and Therapeutic Medicine</i> , 2022, 23, 395.	1.8	4
16	Formulation and characterization of eprosartan mesylate and β -cyclodextrin inclusion complex prepared by microwave technology. <i>Drug Delivery</i> , 2022, 29, 1512-1522.	5.7	6
17	Sinaptic Acid Ameliorates Acetic Acid-Induced Ulcerative Colitis in Rats by Suppressing Inflammation, Oxidative Stress, and Apoptosis. <i>Molecules</i> , 2022, 27, 4139.	3.8	19
18	Computational selection of flavonoid compounds as inhibitors against SARS-CoV-2 main protease, RNA-dependent RNA polymerase and spike proteins: A molecular docking study. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 448-458.	3.8	37

#	ARTICLE	IF	CITATIONS
19	Herbal immune-boosters: Substantial warriors of pandemic Covid-19 battle. <i>Phytomedicine</i> , 2021, 85, 153361.	5.3	106
20	Development and optimization of sitagliptin and dapagliflozin loaded oral self-nanoemulsifying formulation against type 2 diabetes mellitus. <i>Drug Delivery</i> , 2021, 28, 100-114.	5.7	10
21	Screening, selection and development of <i>Bacillus subtilis</i> apr-IBL04 for hyper production of macromolecule alkaline protease. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1494-1501.	3.8	16
22	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
23	Zingerone Targets Status Epilepticus by Blocking Hippocampal Neurodegeneration via Regulation of Redox Imbalance, Inflammation and Apoptosis. <i>Pharmaceutics</i> , 2021, 14, 146.	3.8	17
24	Clinico-Pathological Importance of miR-146a in Lung Cancer. <i>Diagnostics</i> , 2021, 11, 274.	2.6	19
25	Sinapic acid ameliorates D-galactosamine/lipopolysaccharide-induced fulminant hepatitis in rats: Role of nuclear factor erythroid-related factor 2/heme oxygenase-1 pathways. <i>World Journal of Gastroenterology</i> , 2021, 27, 592-608.	3.3	15
26	Sinapic acid mitigates methotrexate-induced hepatic injuries in rats through modulation of Nrf2/ HO κ B signaling. <i>Environmental Toxicology</i> , 2021, 36, 1261-1268.	4.0	10
27	Enriched pharmacokinetic behavior and antitumor efficacy of thymoquinone by liposomal delivery. <i>Nanomedicine</i> , 2021, 16, 641-656.	3.3	4
28	An Efficient CNN Model for COVID-19 Disease Detection Based on X-Ray Image Classification. <i>Complexity</i> , 2021, 2021, 1-12.	1.6	88
29	Reproductive toxic potential of phthalate compounds – State of art review. <i>Pharmacological Research</i> , 2021, 167, 105536.	7.1	65
30	The potential role of thymoquinone in preventing the cardiovascular complications of COVID-19. <i>Vascular Pharmacology</i> , 2021, 141, 106899.	2.1	7
31	Assessment of glibenclamide pharmacokinetics in poloxamer 407-induced hyperlipidemic rats. <i>Saudi Pharmaceutical Journal</i> , 2021, 29, 719-723.	2.7	3
32	Antagonistic, Anti-oxidant, Anti-inflammatory and Anti-diabetic Probiotic Potential of <i>Lactobacillus agilis</i> Isolated From the Rhizosphere of the Medicinal Plants. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 6069-6076.	3.8	14
33	Production of Functional Buttermilk and Soymilk Using <i>Pediococcus acidilactici</i> BD16 (alaD+). <i>Molecules</i> , 2021, 26, 4671.	3.8	17
34	Metabolic Engineering of <i>Pediococcus acidilactici</i> BD16 for Heterologous Expression of Synthetic alaD Gene Cassette and L-Alanine Production in the Recombinant Strain Using Fed-Batch Fermentation. <i>Foods</i> , 2021, 10, 1964.	4.3	9
35	Significant Implications of APOA1 Gene Sequence Variations and Its Protein Expression in Bladder Cancer. <i>Biomedicines</i> , 2021, 9, 938.	3.2	4
36	Aberrant Lighting Causes Anxiety-like Behavior in Mice but Curcumin Ameliorates the Symptoms. <i>Animals</i> , 2021, 11, 2590.	2.3	8

#	ARTICLE	IF	CITATIONS
37	Lead contamination affects the primary productivity traits, biosynthesis of macromolecules and distribution of metal in durum wheat (<i>Triticum durum</i> L.). <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 4946-4956.	3.8	3
38	Construction of miRNA-mRNA network for the identification of key biological markers and their associated pathways in IgA nephropathy by employing the integrated bioinformatics analysis. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 4938-4945.	3.8	18
39	Chemical composition of <i>Gastrocotyle hispida</i> (Forssk.) bunge and <i>Heliotropium crispum</i> Desf. and evaluation of their multiple in vitro biological potentials. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 6086-6096.	3.8	19
40	Fate of arsenic in living systems: Implications for sustainable and safe food chains. <i>Journal of Hazardous Materials</i> , 2021, 417, 126050.	12.4	69
41	Biosynthesis and characterization of titanium dioxide nanoparticles and its effects along with calcium phosphate on physicochemical attributes of wheat under drought stress. <i>Ecotoxicology and Environmental Safety</i> , 2021, 223, 112519.	6.0	63
42	Efficacy and Safety of Filgrastim and Its Biosimilars to Prevent Febrile Neutropenia in Cancer Patients: A Prospective Study and Meta-Analysis. <i>Biology</i> , 2021, 10, 1069.	2.8	7
43	Curcumin Ameliorates the Cd-Induced Anxiety-like Behavior in Mice by Regulating Oxidative Stress and Neuro-Inflammatory Proteins in the Prefrontal Cortex Region of the Brain. <i>Antioxidants</i> , 2021, 10, 1710.	5.1	19
44	Clopidogrel-herb Interactions: A Pharmacokinetic and Pharmacodynamic Assessment in a Rat Model. <i>Current Drug Metabolism</i> , 2021, 22, 969-977.	1.2	1
45	Aspirin prescribing pattern and guidelines-adherence evaluation for primary prevention of cardiovascular diseases at a teaching hospital. <i>Saudi Pharmaceutical Journal</i> , 2021, 29, 1426-1431.	2.7	0
46	Eudragit-Coated Sporopollenin Exine Microcapsules (SEMC) of <i>Phoenix dactylifera</i> L. of 5-Fluorouracil for Colon-Specific Drug Delivery. <i>Pharmaceutics</i> , 2021, 13, 1921.	4.5	10
47	Extraction, Quantification, and Cytokine Inhibitory Response of Bakuchiol in <i>Psoralea coryfolia</i> Linn.. <i>Separations</i> , 2020, 7, 48.	2.4	7
48	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
49	Saudi Arabia, pharmacists and COVID-19 pandemic. <i>Journal of Pharmaceutical Policy and Practice</i> , 2020, 13, 41.	2.4	34
50	Piperine Regulates Nrf-2/Keap-1 Signalling and Exhibits Anticancer Effect in Experimental Colon Carcinogenesis in Wistar Rats. <i>Biology</i> , 2020, 9, 302.	2.8	25
51	Box-Behnken Response Surface Design of Polysaccharide Extraction from <i>Rhododendron arboreum</i> and the Evaluation of Its Antioxidant Potential. <i>Molecules</i> , 2020, 25, 3835.	3.8	38
52	Multi-Therapeutic Potential of Naringenin (4',5,7-Trihydroxyflavone): Experimental Evidence and Mechanisms. <i>Plants</i> , 2020, 9, 1784.	3.5	52
53	Zingerone [4-(3-Methoxy-4-hydroxyphenyl)-butan-2] Attenuates Lipopolysaccharide-Induced Inflammation and Protects Rats from Sepsis Associated Multi Organ Damage. <i>Molecules</i> , 2020, 25, 5127.	3.8	14
54	Covid-19 Pandemic and Current Medical Interventions. <i>Archives of Medical Research</i> , 2020, 51, 473-481.	3.3	11

#	ARTICLE	IF	CITATIONS
55	Central composite design expert-supported development and validation of HPTLC method: Relevance in quantitative evaluation of protopine in <i>Fumaria indica</i> . <i>Saudi Pharmaceutical Journal</i> , 2020, 28, 487-494.	2.7	10
56	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
57	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
58	Covid-19 and thymoquinone: Connecting the dots. <i>Phytotherapy Research</i> , 2020, 34, 2786-2789.	5.8	34
59	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
60	In-vitro antioxidant, antimutagenic and cancer cell growth inhibition activities of <i>Rhododendron arboreum</i> leaves and flowers. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1788-1796.	3.8	23
61	Naringenin Regulates Doxorubicin-Induced Liver Dysfunction: Impact on Oxidative Stress and Inflammation. <i>Plants</i> , 2020, 9, 550.	3.5	54
62	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
63	Liposomal drug delivery of <i>Aphanamixis polystachya</i> leaf extracts and its neurobehavioral activity in mice model. <i>Scientific Reports</i> , 2020, 10, 6938.	3.3	25
64	Response surface optimization of cellulase production from <i>Aneurinibacillus aneurinilyticus</i> BKT-9: An isolate of urban Himalayan freshwater. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 2333-2343.	3.8	13
65	Therapeutic Potential of <i>Rhododendron arboreum</i> Polysaccharides in an Animal Model of Lipopolysaccharide-Inflicted Oxidative Stress and Systemic Inflammation. <i>Molecules</i> , 2020, 25, 6045.	3.8	9
66	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
67	Evaluation of Self-Nanoemulsifying Drug Delivery Systems (SNEDDS) for Poorly Water-Soluble Talinolol: Preparation, in vitro and in vivo Assessment. <i>Frontiers in Pharmacology</i> , 2019, 10, 459.	3.5	84
68	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
69	Levocarnitine Improves A β 1-3-Induced Spatial Working Memory Impairment in Swiss albino Mice. <i>Frontiers in Neuroscience</i> , 2019, 13, 278.	2.8	19
70	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
71	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
72	Development and biological evaluation of vesicles containing bile salt of telmisartan for the treatment of diabetic nephropathy. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 532-539.	2.8	16

#	ARTICLE	IF	CITATIONS
73	Momordica charantia polysaccharides ameliorate oxidative stress, inflammation, and apoptosis in ethanol-induced gastritis in mucosa through NF- κ B signaling pathway inhibition. International Journal of Biological Macromolecules, 2018, 111, 193-199.	7.5	109
74	Solubility determination of raloxifene hydrochloride in ten pure solvents at various temperatures: Thermodynamics-based analysis and solute-solvent interactions. International Journal of Pharmaceutics, 2018, 544, 165-171.	5.2	23
75	Eprosartan mesylate loaded bilosomes as potential nano-carriers against diabetic nephropathy in streptozotocin-induced diabetic rats. European Journal of Pharmaceutical Sciences, 2018, 111, 409-417.	4.0	53
76	Biogenic pentagonal silver nanoparticles for safer and more effective antibacterial therapeutics. International Journal of Nanomedicine, 2018, Volume 13, 7789-7799.	6.7	10
77	Sinapic acid ameliorates bleomycin-induced lung fibrosis in rats. Biomedicine and Pharmacotherapy, 2018, 108, 224-231.	5.6	43
78	Antioxidant and Antimutagenic Activities of Different Fractions from the Leaves of Rhododendron arboreum Sm. and Their GC-MS Profiling. Molecules, 2018, 23, 2239.	3.8	18
79	Pantoprazole reduces vascular relaxation in-vitro and ex-vivo and interferes with blood coagulation in an animal model. Biomedicine and Pharmacotherapy, 2018, 104, 537-541.	5.6	1
80	Inhibitory effects of Lepidium sativum polysaccharide extracts on TNF- α production in Escherichia coli-stimulated mouse. 3 Biotech, 2018, 8, 286.	2.2	9
81	Nardostachys jatamansi ameliorates doxorubicin induced cardiotoxicity via down regulation oxidative stress and inflammatory markers in rats. FASEB Journal, 2018, 32, 702.10.	0.5	0
82	Potential Health Benefits and Metabolomics of Camel Milk by GC-MS and ICP-MS. Biological Trace Element Research, 2017, 175, 322-330.	3.5	36
83	Development and validation of bioanalytical UHPLC-UV method for simultaneous analysis of unchanged fenofibrate and its metabolite fenofibric acid in rat plasma: Application to pharmacokinetics. Saudi Pharmaceutical Journal, 2017, 25, 128-135.	2.7	7
84	Sinapic acid ameliorate cadmium-induced nephrotoxicity: In vivo possible involvement of oxidative stress, apoptosis, and inflammation via NF- κ B downregulation. Environmental Toxicology and Pharmacology, 2017, 51, 100-107.	4.0	81
85	Effects of Paeonia emodi on hepatic cytochrome P450 (CYP3A2 and CYP2C11) expression and pharmacokinetics of carbamazepine in rats. Biomedicine and Pharmacotherapy, 2017, 90, 694-698.	5.6	13
86	Nepeta deflersiana attenuates isoproterenol-induced myocardial injuries in rats: Possible involvement of oxidative stress, apoptosis, inflammation through nuclear factor (NF)- κ B downregulation. Phytomedicine, 2017, 34, 67-75.	5.3	25
87	GC-MS-based Metabolomic Profiling of Thymoquinone in Streptozotocin-induced Diabetic Nephropathy in Rats. Natural Product Communications, 2017, 12, 1934578X1701200.	0.5	6
88	Development of self-nanoemulsifying drug delivery systems for the enhancement of solubility and oral bioavailability of fenofibrate, a poorly water-soluble drug. International Journal of Nanomedicine, 2016, 11, 2829.	6.7	35
89	Quantification of lipid modified estrogenic derivative (ESC8) in rat plasma by LC-MS: application to a pharmacokinetic study. Biomedical Chromatography, 2016, 30, 2024-2030.	1.7	1
90	Hepatoprotective activity of Lepidium sativum seeds against D-galactosamine/lipopolysaccharide induced hepatotoxicity in animal model. BMC Complementary and Alternative Medicine, 2016, 16, 501.	3.7	45

#	ARTICLE	IF	CITATIONS
91	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
92	Sinapic acid mitigates gentamicin-induced nephrotoxicity and associated oxidative/nitrosative stress, apoptosis, and inflammation in rats. <i>Life Sciences</i> , 2016, 165, 1-8.	4.3	65
93	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
94	â€Aajwaâ€™™ dates (<i>Phoenix dactylifera</i> L.) extract ameliorates isoproterenol-induced cardiomyopathy through downregulation of oxidative, inflammatory and apoptotic molecules in rodent model. <i>Phytomedicine</i> , 2016, 23, 1240-1248.	5.3	65
95	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
96	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
97	Evaluation of the Effectiveness of <i>Piper cubeba</i> Extract in the Amelioration of CCl ₄ -Induced Liver Injuries and Oxidative Damage in the Rodent Model. <i>BioMed Research International</i> , 2015, 2015, 1-11.	1.9	23
98	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
99	Hepatoprotective effect of <i>Commiphora myrrha</i> against d-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
100	Thymoquinone modulates nitric oxide production and improves organ dysfunction of sepsis. <i>Life Sciences</i> , 2015, 143, 131-138.	4.3	24
101	Biological investigation of a supersaturated self-nanoemulsifying drug delivery system of Piper cubeba essential oil. <i>RSC Advances</i> , 2015, 5, 105206-105217.	3.6	22
102	Application of Boxâ€™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
103	Beetroot (<i>Beta vulgaris</i> L.) Extract Ameliorates Gentamicin-Induced Nephrotoxicity Associated Oxidative Stress, Inflammation, and Apoptosis in Rodent Model. <i>Mediators of Inflammation</i> , 2014, 2014, 1-12.	3.0	100
104	In situ bioconversion of compactin to pravastatin by <i>Actinomadura</i> species in fermentation broth of <i>Penicillium citrinum</i> . <i>Chemical Papers</i> , 2013, 67, .	2.2	2
105	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
106	ESTABLISHMENT OF CELL SUSPENSION CULTURE AND QUANTITATIVE ANALYSIS OF GYMNEMAGENIN IN PLANT AND IN VITRO CULTURE OF GYMNEMA SYLVESTRE. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013, 36, 1869-1880.	1.0	5
107	Effects of Selected Bioactive Natural Products on the Vascular Endothelium. <i>Journal of Cardiovascular Pharmacology</i> , 2013, 62, 111-121.	1.9	23
108	Solubility and thermodynamic analysis of vinpocetine in various mono solvents at different temperatures. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	3.6	5