Ajaz Ahmad

List of Publications by Year in descending order

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		147801	2	214800
108	2,979	31		47
papers	citations	h-index		g-index
108	100	108		3331
100	108	100		3331
all docs	docs citations	times ranked		citing authors

#	Article	IF	CITATIONS
1	Reactive Oxygen Species in Plants: From Source to Sink. Antioxidants, 2022, 11, 225.	5.1	197
2	Momordica charantia polysaccharides ameliorate oxidative stress, inflammation, and apoptosis in ethanol-induced gastritis in mucosa through NF-kB signaling pathway inhibition. International Journal of Biological Macromolecules, 2018, 111, 193-199.	7.5	109
3	Herbal immune-boosters: Substantial warriors of pandemic Covid-19 battle. Phytomedicine, 2021, 85, 153361.	5. 3	106
4	Beetroot (<i>Beta vulgaris</i> L.) Extract Ameliorates Gentamicin-Induced Nephrotoxicity Associated Oxidative Stress, Inflammation, and Apoptosis in Rodent Model. Mediators of Inflammation, 2014, 2014, 1-12.	3.0	100
5	An Efficient CNN Model for COVID-19 Disease Detection Based on X-Ray Image Classification. Complexity, 2021, 2021, 1-12.	1.6	88
6	Application of Box–Behnken design for ultrasonic-assisted extraction of polysaccharides from Paeonia emodi. International Journal of Biological Macromolecules, 2015, 72, 990-997.	7.5	85
7	Evaluation of Self-Nanoemulsifying Drug Delivery Systems (SNEDDS) for Poorly Water-Soluble Talinolol: Preparation, in vitro and in vivo Assessment. Frontiers in Pharmacology, 2019, 10, 459.	3 . 5	84
8	Sinapic acid ameliorate cadmium-induced nephrotoxicity: In vivo possible involvement of oxidative stress, apoptosis, and inflammation via NF-κB downregulation. Environmental Toxicology and Pharmacology, 2017, 51, 100-107.	4.0	81
9	Momordica charantia polysaccharides mitigate the progression of STZ induced diabetic nephropathy in rats. International Journal of Biological Macromolecules, 2016, 91, 394-399.	7.5	71
10	Fate of arsenic in living systems: Implications for sustainable and safe food chains. Journal of Hazardous Materials, 2021, 417, 126050.	12.4	69
11	Sinapic acid mitigates gentamicin-induced nephrotoxicity and associated oxidative/nitrosative stress, apoptosis, and inflammation in rats. Life Sciences, 2016, 165, 1-8.	4.3	65
12	â€~Ajwa' dates (Phoenix dactylifera L.) extract ameliorates isoproterenol-induced cardiomyopathy through downregulation of oxidative, inflammatory and apoptotic molecules in rodent model. Phytomedicine, 2016, 23, 1240-1248.	5. 3	65
13	Reproductive toxic potential of phthalate compounds – State of art review. Pharmacological Research, 2021, 167, 105536.	7.1	65
14	Biosynthesis and characterization of titanium dioxide nanoparticles and its effects along with calcium phosphate on physicochemical attributes of wheat under drought stress. Ecotoxicology and Environmental Safety, 2021, 223, 112519.	6.0	63
15	Naringenin Regulates Doxorubicin-Induced Liver Dysfunction: Impact on Oxidative Stress and Inflammation. Plants, 2020, 9, 550.	3.5	54
16	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
17	Multi-Therapeutic Potential of Naringenin (4′,5,7-Trihydroxyflavonone): Experimental Evidence and Mechanisms. Plants, 2020, 9, 1784.	3.5	52
18	Gastroprotective Effect of Sinapic Acid on Ethanol-Induced Gastric Ulcers in Rats: Involvement of Nrf2/HO-1 and NF-κB Signaling and Antiapoptotic Role. Frontiers in Pharmacology, 2021, 12, 622815.	3.5	52

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19	Coactive role of zinc oxide nanoparticles and plant growth promoting rhizobacteria for mitigation of synchronized effects of heat and drought stress in wheat plants. Chemosphere, 2022, 297, 133982.	8.2	50
20	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
21	Defense interplay of the zinc-oxide nanoparticles and melatonin in alleviating the arsenic stress in soybean (Glycine max L.). Chemosphere, 2022, 288, 132471.	8.2	45
22	Sinapic acid ameliorates bleomycin-induced lung fibrosis in rats. Biomedicine and Pharmacotherapy, 2018, 108, 224-231.	5.6	43
23	Sinapic Acid Ameliorates Oxidative Stress, Inflammation, and Apoptosis in Acute Doxorubicin-Induced Cardiotoxicity via the NF- <i>\hat{l}^2</i> Nediated Pathway. BioMed Research International, 2020, 2020, 1-10.	1.9	42
24	Comparative analysis of iron oxide nanoparticles synthesized from ginger (Zingiber officinale) and cumin seeds (Cuminum cyminum) to induce resistance in wheat against drought stress. Chemosphere, 2022, 292, 133201.	8.2	40
25	Development of Liposomal Formulation for Delivering Anticancer Drug to Breast Cancer Stem-Cell-Like Cells and its Pharmacokinetics in an Animal Model. Molecular Pharmaceutics, 2016, 13, 1081-1088.	4.6	38
26	Box–Behnken Response Surface Design of Polysaccharide Extraction from Rhododendron arboreum and the Evaluation of Its Antioxidant Potential. Molecules, 2020, 25, 3835.	3.8	38
27	Computational selection of flavonoid compounds as inhibitors against SARS-CoV-2 main protease, RNA-dependent RNA polymerase and spike proteins: A molecular docking study. Saudi Journal of Biological Sciences, 2021, 28, 448-458.	3.8	37
28	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
29	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
30	Ameliorative effects of plant growth promoting bacteria, zinc oxide nanoparticles and oxalic acid on Luffa acutangula grown on arsenic enriched soil. Environmental Pollution, 2022, 300, 118889.	7.5	35
31	Saudi Arabia, pharmacists and COVID-19 pandemic. Journal of Pharmaceutical Policy and Practice, 2020, 13, 41.	2.4	34
32	Covidâ€19 and thymoquinone: Connecting the dots. Phytotherapy Research, 2020, 34, 2786-2789.	5.8	34
33	Beetroot juice alleviates isoproterenol-induced myocardial damage by reducing oxidative stress, inflammation, and apoptosis in rats. 3 Biotech, 2019, 9, 147.	2.2	31
34	Thymoquinone treatment modulates the Nrf2/HO-1 signaling pathway and abrogates the inflammatory response in an animal model of lung fibrosis. Experimental Lung Research, 2020, 46, 53-63.	1.2	30
35	Efficacy of citric acid chelate and Bacillus sp. in amelioration of cadmium and chromium toxicity in wheat. Chemosphere, 2022, 290, 133342.	8.2	29
36	Sinapic acid ameliorates cardiac dysfunction and cardiomyopathy by modulating NF-1ºB and Nrf2/HO-1 signaling pathways in streptozocin induced diabetic rats. Biomedicine and Pharmacotherapy, 2022, 145, 112412.	5.6	27

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37	Hepatoprotective effect of (i) Commiphora myrrha (li) against (scp) d (lscp) - GalN/LPS-induced hepatic injury in a rat model through attenuation of pro inflammatory cytokines and related genes. Pharmaceutical Biology, 2015, 53, 1759-1767.	2.9	25
38	Nepeta deflersiana attenuates isoproterenol-induced myocardial injuries in rats: Possible involvement of oxidative stress, apoptosis, inflammation through nuclear factor (NF)-κB downregulation. Phytomedicine, 2017, 34, 67-75.	5.3	25
39	Piperine Regulates Nrf-2/Keap-1 Signalling and Exhibits Anticancer Effect in Experimental Colon Carcinogenesis in Wistar Rats. Biology, 2020, 9, 302.	2.8	25
40	Liposomal drug delivery of Aphanamixis polystachya leaf extracts and its neurobehavioral activity in mice model. Scientific Reports, 2020, 10, 6938.	3.3	25
41	Thymoquinone modulates nitric oxide production and improves organ dysfunction of sepsis. Life Sciences, 2015, 143, 131-138.	4.3	24
42	Effects of Selected Bioactive Natural Products on the Vascular Endothelium. Journal of Cardiovascular Pharmacology, 2013, 62, 111-121.	1.9	23
43	Evaluation of the Effectiveness of <i>Piper cubeba </i> Extract in the Amelioration of CCl < sub > 4 1nduced Liver Injuries and Oxidative Damage in the Rodent Model. BioMed Research International, 2015, 2015, 1-11.	1.9	23
44	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
45	In-vitro antioxidant, antimutagenic and cancer cell growth inhibition activities of Rhododendron arboreum leaves and flowers. Saudi Journal of Biological Sciences, 2020, 27, 1788-1796.	3.8	23
46	Biological investigation of a supersaturated self-nanoemulsifying drug delivery system of Piper cubeba essential oil. RSC Advances, 2015, 5, 105206-105217.	3.6	22
47	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. Molecular Pharmaceutics, 2016, 13, 2507-2523.	4.6	20
48	Levocarnitine Improves AlCl3-Induced Spatial Working Memory Impairment in Swiss albino Mice. Frontiers in Neuroscience, 2019, 13, 278.	2.8	19
49	Clinico-Pathological Importance of miR-146a in Lung Cancer. Diagnostics, 2021, 11, 274.	2.6	19
50	Chemical composition of Gastrocotyle hispida (Forssk.) bunge and Heliotropium crispum Desf. and evaluation of their multiple in vitro biological potentials. Saudi Journal of Biological Sciences, 2021, 28, 6086-6096.	3.8	19
51	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. Antioxidants, 2021, 10, 1710.	5.1	19
52	Sinapic Acid Ameliorates Acetic Acid-Induced Ulcerative Colitis in Rats by Suppressing Inflammation, Oxidative Stress, and Apoptosis. Molecules, 2022, 27, 4139.	3.8	19
53	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
54	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. Saudi Journal of Biological Sciences, 2021, 28, 4938-4945.	3.8	18

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55	Myricetin $(3,3\hat{a}\in^2,4\hat{a}\in^2,5,5\hat{a}\in^2,7$ -Hexahydroxyflavone) Prevents 5-Fluorouracil-Induced Cardiotoxicity. ACS Omega 2022, 7, 4514-4524.	^l '3.5	18
56	COVID-19 Vaccination-Related Sentiments Analysis: A Case Study Using Worldwide Twitter Dataset. Healthcare (Switzerland), 2022, 10, 411.	2.0	18
57	Zingerone Targets Status Epilepticus by Blocking Hippocampal Neurodegeneration via Regulation of Redox Imbalance, Inflammation and Apoptosis. Pharmaceuticals, 2021, 14, 146.	3.8	17
58	Production of Functional Buttermilk and Soymilk Using Pediococcus acidilactici BD16 (alaD+). Molecules, 2021, 26, 4671.	3.8	17
59	HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY OF THYMOQUINONE IN RABBIT PLASMA AND ITS APPLICATION TO PHARMACOKINETICS. Journal of Liquid Chromatography and Related Technologies, 2013, 36, 2242-2250.	1.0	16
60	Development and biological evaluation of vesicles containing bile salt of telmisartan for the treatment of diabetic nephropathy. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 532-539.	2.8	16
61	Screening, selection and development of Bacillus subtilis apr-IBLO4 for hyper production of macromolecule alkaline protease. Saudi Journal of Biological Sciences, 2021, 28, 1494-1501.	3.8	16
62	Sinapic acid ameliorates D-galactosamine/lipopolysaccharide-induced fulminant hepatitis in rats: Role of nuclear factor erythroid-related factor 2/heme oxygenase-1 pathways. World Journal of Gastroenterology, 2021, 27, 592-608.	3.3	15
63	Vector mosquito image classification using novel RIFS feature selection and machine learning models for disease epidemiology. Saudi Journal of Biological Sciences, 2022, 29, 583-594.	3.8	15
64	Newly-synthesized iron-oxide nanoparticles showed synergetic effect with citric acid for alleviating arsenic phytotoxicity in soybean. Environmental Pollution, 2022, 295, 118693.	7.5	15
65	Effects of Thymoquinone on the Pharmacokinetics and Pharmacodynamics of Glibenclamide in a Rat Model. Natural Product Communications, 2015, 10, 1934578X1501000.	0.5	14
66	Zingerone [4-(3-Methoxy-4-hydroxyphenyl)-butan-2] Attenuates Lipopolysaccharide-Induced Inflammation and Protects Rats from Sepsis Associated Multi Organ Damage. Molecules, 2020, 25, 5127.	3.8	14
67	Antagonistic, Anti-oxidant, Anti-inflammatory and Anti-diabetic Probiotic Potential of Lactobacillus agilis Isolated From the Rhizosphere of the Medicinal Plants. Saudi Journal of Biological Sciences, 2021, 28, 6069-6076.	3.8	14
68	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
69	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. Epilepsy Research, 2019, 153, 14-18.	1.6	13
70	Response surface optimization of cellulase production from Aneurinibacillus aneurinilyticus BKT-9: An isolate of urban Himalayan freshwater. Saudi Journal of Biological Sciences, 2020, 27, 2333-2343.	3.8	13
71	Covid-19 Pandemic and Current Medical Interventions. Archives of Medical Research, 2020, 51, 473-481.	3.3	11
72	Antioxidant Potential and In Situ Analysis of Major and Trace Element Determination of Ood-saleeb, a Known Unani Herbal Medicine by ICP-MS. Biological Trace Element Research, 2016, 172, 521-527.	3.5	10

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73	Biogenic pentagonal silver nanoparticles for safer and more effective antibacterial therapeutics. International Journal of Nanomedicine, 2018, Volume 13, 7789-7799.	6.7	10
74	Effect of sinapic acid on aripiprazole pharmacokinetics in rats: Possible food drug interaction. Journal of Food and Drug Analysis, 2019, 27, 332-338.	1.9	10
75	Central composite design expert-supported development and validation of HPTLC method: Relevance in quantitative evaluation of protopine in Fumaria indica. Saudi Pharmaceutical Journal, 2020, 28, 487-494.	2.7	10
76	Development and optimization of sitagliptin and dapagliflozin loaded oral self-nanoemulsifying formulation against type 2 diabetes mellitus. Drug Delivery, 2021, 28, 100-114.	5.7	10
77	Sinapic acid mitigates methotrexateâ€induced hepatic injuries in rats through modulation of Nrfâ€2/ HO â€1 signaling. Environmental Toxicology, 2021, 36, 1261-1268.	4.0	10
78	Eudragit-Coated Sporopollenin Exine Microcapsules (SEMC) of Phoenix dactylifera L. of 5-Fluorouracil for Colon-Specific Drug Delivery. Pharmaceutics, 2021, 13, 1921.	4.5	10
79	Inhibitory effects of Lepidium sativum polysaccharide extracts on TNF-α production in Escherichia coli-stimulated mouse. 3 Biotech, 2018, 8, 286.	2.2	9
80	Metabolic Engineering of Pediococcus acidilactici BD16 for Heterologous Expression of Synthetic alaD Gene Cassette and L-Alanine Production in the Recombinant Strain Using Fed-Batch Fermentation. Foods, 2021, 10, 1964.	4.3	9
81	Therapeutic Potential of Rhododendron arboreum Polysaccharides in an Animal Model of Lipopolysaccharide-Inflicted Oxidative Stress and Systemic Inflammation. Molecules, 2020, 25, 6045.	3.8	9
82	Gender effect on the pharmacokinetics of thymoquinone: Preclinical investigation and in silico modeling in male and female rats. Saudi Pharmaceutical Journal, 2020, 28, 403-408.	2.7	8
83	Aberrant Lighting Causes Anxiety-like Behavior in Mice but Curcumin Ameliorates the Symptoms. Animals, 2021, 11, 2590.	2.3	8
84	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
85	Extraction, Quantification, and Cytokine Inhibitory Response of Bakuchiol in Psoralea coryfolia Linn Separations, 2020, 7, 48.	2.4	7
86	Effect of compromised liver function and acute kidney injury on the pharmacokinetics of thymoquinone in a rat model. Xenobiotica, 2020, 50, 858-862.	1.1	7
87	The potential role of thymoquinone in preventing the cardiovascular complications of COVID-19. Vascular Pharmacology, 2021, 141, 106899.	2.1	7
88	Efficacy and Safety of Filgrastim and Its Biosimilars to Prevent Febrile Neutropenia in Cancer Patients: A Prospective Study and Meta-Analysis. Biology, 2021, 10, 1069.	2.8	7
89	GC-MS-based Metabolomic Profiling of Thymoquinone in Streptozotocin-induced Diabetic Nephropathy in Rats. Natural Product Communications, 2017, 12, 1934578X1701200.	0.5	6
90	Formulation and characterization of eprosartan mesylate and \hat{l}^2 -cyclodextrin inclusion complex prepared by microwave technology. Drug Delivery, 2022, 29, 1512-1522.	5 . 7	6

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91	ESTABLISHMENT OF CELL SUSPENSION CULTURE AND QUANTITATIVE ANALYSIS OF GYMNEMAGENIN IN PLANT AND IN VITRO CULTURE OFGYMNEMA SYLVESTRE. Journal of Liquid Chromatography and Related Technologies, 2013, 36, 1869-1880.	1.0	5
92	Solubility and thermodynamic analysis of vinpocetine in various mono solvents at different temperatures. Journal of Thermal Analysis and Calorimetry, $0, 1$.	3.6	5
93	Thermodynamic Solubility Profile of Temozolomide in Different Commonly Used Pharmaceutical Solvents. Molecules, 2022, 27, 1437.	3.8	5
94	A Sensitive Rapid and Environmentally Friendly UHPLC Assay Method for the Determination of Thymoquinone in Plasma Samples and Its Analytical Application. Journal of Chromatographic Science, 2020, 58, 629-635.	1.4	4
95	Enriched pharmacokinetic behavior and antitumor efficacy of thymoquinone by liposomal delivery. Nanomedicine, 2021, 16, 641-656.	3.3	4
96	Significant Implications of APOA1 Gene Sequence Variations and Its Protein Expression in Bladder Cancer. Biomedicines, 2021, 9, 938.	3.2	4
97	Thymoquinone modulates the expression of sepsis‑related microRNAs in a CLP model. Experimental and Therapeutic Medicine, 2022, 23, 395.	1.8	4
98	Assessment of glibenclamide pharmacokinetics in poloxamer 407-induced hyperlipidemic rats. Saudi Pharmaceutical Journal, 2021, 29, 719-723.	2.7	3
99	Lead contamination affects the primary productivity traits, biosynthesis of macromolecules and distribution of metal in durum wheat (Triticumdurum L.). Saudi Journal of Biological Sciences, 2021, 28, 4946-4956.	3.8	3
100	Thymoquinone Attenuates Retinal Expression of Mediators and Markers of Neurodegeneration in a Diabetic Animal Model. Current Molecular Pharmacology, 2022, 15, .	1.5	3
101	In situ bioconversion of compactin to pravastatin by Actinomadura species in fermentation broth of Penicillium citrinum. Chemical Papers, 2013, 67, .	2.2	2
102	Quantification of lipid modified estrogenic derivative (ESC8) in rat plasma by LCâ€MS: application to a pharmacokinetic study. Biomedical Chromatography, 2016, 30, 2024-2030.	1.7	1
103	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
104	Evaluation of the in vivo genotoxicity of liposomal formulation for delivering anticancer estrogenic derivative (ESC8) in a mouse model. Saudi Pharmaceutical Journal, 2019, 27, 637-642.	2.7	1
105	Protective effect of chrysin, a flavonoid, on the genotoxic activity of carboplatin in mice. Drug and Chemical Toxicology, 2022, 45, 2146-2152.	2.3	1
106	Clopidogrel-herb Interactions: A Pharmacokinetic and Pharmacodynamic Assessment in a Rat Model. Current Drug Metabolism, 2021, 22, 969-977.	1.2	1
107	Nardostachys jatamansi ameliorates doxorubicin induced cardiotoxicity via down regulation oxidative stress and inflammatory markers in rats. FASEB Journal, 2018, 32, 702.10.	0.5	O
108	Aspirin prescribing pattern and guidelines-adherence evaluation for primary prevention of cardiovascular diseases at a teaching hospital. Saudi Pharmaceutical Journal, 2021, 29, 1426-1431.	2.7	0