Najeeb U Rehman

List of Publications by Year in descending order

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279701 377752 1,810 113 23 34 citations h-index g-index papers 115 115 115 2037 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Synthesis of 1H-1,2,3-triazole derivatives as new \hat{t} +-glucosidase inhibitors and their molecular docking studies. Bioorganic Chemistry, 2018, 81, 98-106.	2.0	75
2	<i>Mentha</i> : A genus rich in vital nutraâ€pharmaceuticals—A review. Phytotherapy Research, 2019, 33, 2548-2570.	2.8	73
3	Antispasmodic and vasodilator activities of Morinda citrifolia root extract are mediated through blockade of voltage dependent calcium channels. BMC Complementary and Alternative Medicine, 2010, 10, 2.	3.7	67
4	Studies on the antihypertensive and antidyslipidemic activities of Viola odorata leaves extract. Lipids in Health and Disease, $2012,11,6.$	1.2	60
5	Calcium channel blocking activity of <i>Mentha longifolia</i> L. explains its medicinal use in diarrhoea and gut spasm. Phytotherapy Research, 2010, 24, 1392-1397.	2.8	48
6	î±-Glucosidase Inhibition and Molecular Docking Studies of Natural Brominated Metabolites from Marine Macro Brown Alga Dictyopteris hoytii. Marine Drugs, 2019, 17, 666.	2.2	46
7	Pharmacological basis for the medicinal use of Linum usitatissimum (Flaxseed) in infectious and non-infectious diarrhea. Journal of Ethnopharmacology, 2015, 160, 61-68.	2.0	45
8	Chemical, molecular and structural studies of Boswellia species: \hat{l}^2 -Boswellic Aldehyde and 3-epi- $11\hat{l}^2$ -Dihydroxy BA as precursors in biosynthesis of boswellic acids. PLoS ONE, 2018, 13, e0198666.	1.1	44
9	Pharmacological Basis for the Medicinal Use of <i>Lepidium sativum < /i>in Airways Disorders. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-8.</i>	0.5	43
10	<p>Rifampicin conjugated silver nanoparticles: a new arena for development of antibiofilm potential against methicillin resistant Staphylococcus aureus and Klebsiella pneumoniae</p> . International Journal of Nanomedicine, 2019, Volume 14, 3983-3993.	3.3	43
11	Prokinetic and laxative activities of Lepidium sativum seed extract with species and tissue selective gut stimulatory actions. Journal of Ethnopharmacology, 2011, 134, 878-883.	2.0	42
12	Evaluation of gut modulatory and bronchodilator activities of Amaranthus spinosus Linn BMC Complementary and Alternative Medicine, 2012, 12, 166.	3.7	40
13	Antipyretic and Anticonvulsant Activity of <i>Polygonatum verticillatum</i> : Comparison of Rhizomes and Aerial Parts. Phytotherapy Research, 2013, 27, 468-471.	2.8	40
14	Antidiarrheal and antispasmodic activities of Salvia officinalis are mediated through activation of K+ channels. Bangladesh Journal of Pharmacology, 2011 , 6, .	0.1	34
15	Studies on Antidiarrheal and Antispasmodic Activities of <i>Lepidium sativum</i> Crude Extract in Rats. Phytotherapy Research, 2012, 26, 136-141.	2.8	34
16	Pharmacological explanation for the medicinal use of Juniperus excelsa in hyperactive gastrointestinal and respiratory disorders. Journal of Natural Medicines, 2012, 66, 292-301.	1,1	31
17	Bio-Oriented Synthesis of Novel (S)-Flurbiprofen Clubbed Hydrazone Schiff's Bases for Diabetic Management: In Vitro and In Silico Studies. Pharmaceuticals, 2022, 15, 672.	1.7	30
18	Triterpenic Acids as Non-Competitive α-Glucosidase Inhibitors from Boswellia elongata with Structure-Activity Relationship: In Vitro and In Silico Studies. Biomolecules, 2020, 10, 751.	1.8	29

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19	Species and tissue-specificity of prokinetic, laxative and spasmodic effects of Fumaria parviflora. BMC Complementary and Alternative Medicine, 2012, 12, 16.	3.7	28
20	Protective role of Roflumilast against cadmium-induced cardiotoxicity through inhibition of oxidative stress and NF-κB signaling in rats. Saudi Pharmaceutical Journal, 2019, 27, 673-681.	1.2	28
21	Pharmacological basis for the medicinal use ofHolarrhena antidysentericain gut motility disorders. Pharmaceutical Biology, 2010, 48, 1240-1246.	1.3	26
22	Anticholinesterase, antioxidant potentials, and molecular docking studies of isolated bioactive compounds from <i>Grewia optiva</i> . International Journal of Food Properties, 2019, 22, 1386-1396.	1.3	25
23	Chemo-geographical Variations in the Composition of Volatiles and the Biological Attributes of Mentha longifolia (L.) Essential Oils from Saudi Arabia. International Journal of Pharmacology, 2017, 13, 408-424.	0.1	25
24	Pharmacological studies on <i>Hypericum perforatum</i> fractions and constituents. Pharmaceutical Biology, 2011, 49, 46-56.	1.3	23
25	Species Differences in the Antidiarrheal and Antispasmodic Activities of Lepidium sativum and Insight into Underlying Mechanisms. Phytotherapy Research, 2013, 27, 1086-1094.	2.8	23
26	Multiple health benefits of curcumin and its therapeutic potential. Environmental Science and Pollution Research, 2022, 29, 43732-43744.	2.7	23
27	Mechanisms underlying the antidiarrheal, antispasmodic and bronchodilator activities of Fumaria parviflora and involvement of tissue and species specificity. Journal of Ethnopharmacology, 2012, 144, 128-137.	2.0	22
28	Studies on tracheorelaxant and anti-inflammatory activities of rhizomes of Polygonatum verticillatum. BMC Complementary and Alternative Medicine, 2013, 13, 197.	3.7	22
29	New amino acid clubbed Schiff bases inhibit carbonic anhydrase II, \hat{l} ±-glucosidase, and urease enzymes: in silico and in vitro. Medicinal Chemistry Research, 2021, 30, 712-728.	1.1	22
30	Studies on Prokinetic, Laxative and Spasmodic Activities of <i>Phyllanthus emblica</i> in Experimental Animals. Phytotherapy Research, 2013, 27, 1054-1060.	2.8	21
31	Antiproliferative and Carbonic Anhydrase II Inhibitory Potential of Chemical Constituents from Lycium shawii and Aloe vera: Evidence from In Silico Target Fishing and In Vitro Testing. Pharmaceuticals, 2020, 13, 94.	1.7	20
32	Effects of Essential Oils of Elettaria cardamomum Grown in India and Guatemala on Gram-Negative Bacteria and Gastrointestinal Disorders. Molecules, 2021, 26, 2546.	1.7	19
33	A competitive nature-derived multilayered scaffold based on chitosan and alginate, for full-thickness wound healing. Carbohydrate Polymers, 2021, 262, 117921.	5.1	19
34	Bronchodilator Activity of Aerial Parts of <i>Polygonatum verticillatum</i> Augmented by Antiâ€inflammatory Activity: Attenuation of Ca ²⁺ Channels and Lipoxygenase. Phytotherapy Research, 2013, 27, 1288-1292.	2.8	18
35	Formulation, characterization, <i>in vitro</i> and <i>in vivo</i> evaluations of self-nanoemulsifying drug delivery system of luteolin. Journal of Taibah University for Science, 2020, 14, 1386-1401.	1.1	18
36	GC-MS Analysis and Biomedical Therapy of Oil from n-Hexane Fraction of Scutellaria edelbergii Rech. f.: In Vitro, In Vivo, and In Silico Approach. Molecules, 2021, 26, 7676.	1.7	18

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37	Quantification of AKBA inBoswellia sacraUsing NIRS Coupled with PLSR as an Alternative Method and Cross-Validation by HPLC. Phytochemical Analysis, 2018, 29, 137-143.	1.2	17
38	Role of Oxidative Stress and Inflammatory Cytokines (TNF- $\hat{l}\pm$ and IL-6) in Acetic Acid-Induced Ulcerative Colitis in Rats: Ameliorated by Otostegia fruticosa. Life, 2021, 11, 195.	1.1	17
39	Prokinetic and laxative effects of the crude methanolic extract of Viola betonicifolia whole plant in rodents. BMC Complementary and Alternative Medicine, 2013, 13, 70.	3.7	16
40	Comparative study of subchronic toxicities of mosquito repellents (coils, mats and liquids) on vital organs in Swiss albino mice. Saudi Pharmaceutical Journal, 2019, 27, 348-353.	1.2	16
41	New derivatives of 11 -keto- \hat{l}^2 -boswellic acid (KBA) induce apoptosis in breast and prostate cancers cells. Natural Product Research, 2021, 35, 707-716.	1.0	16
42	Quantification of Incensole in Three <i>Boswellia</i> Species by NIR Spectroscopy Coupled with PLSR and Crossâ€Validation by HPLC. Phytochemical Analysis, 2018, 29, 300-307.	1.2	15
43	Eluxadoline Loaded Solid Lipid Nanoparticles for Improved Colon Targeting in Rat Model of Ulcerative Colitis. Pharmaceuticals, 2020, 13, 255.	1.7	15
44	Multiple Mechanisms of Flaxseed: Effectiveness in Inflammatory Bowel Disease. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-16.	0.5	15
45	Biomedical Applications of Scutellaria edelbergii Rech. f.: In Vitro and In Vivo Approach. Molecules, 2021, 26, 3740.	1.7	15
46	Antispasmodic and antidiarrheal activities of rhizomes of <i>Polygonatum verticillatum</i> maneuvered predominately through activation of K ⁺ channels. Toxicology and Industrial Health, 2016, 32, 677-685.	0.6	14
47	In Silico, Ex Vivo and In Vivo Studies of Roflumilast as a Potential Antidiarrheal and Antispasmodic agent: Inhibition of the PDE-4 Enzyme and Voltage-gated Ca++ ion Channels. Molecules, 2020, 25, 1008.	1.7	14
48	Identification of \hat{l} ±-Glucosidase Inhibitors from Scutellaria edelbergii: ESI-LC-MS and Computational Approach. Molecules, 2022, 27, 1322.	1.7	14
49	Natural urease inhibitors from Aloe vera resin and Lycium shawii and their structural-activity relationship and molecular docking study. Bioorganic Chemistry, 2019, 88, 102955.	2.0	13
50	Studies on Prokinetic, Laxative, Antidiarrheal and Gut Modulatory Activities of the Aqueous-methanol Extract of Celtis africana and Underlying Mechanisms. International Journal of Pharmacology, 2012, 8, 701-707.	0.1	13
51	Presence of Laxative and Antidiarrheal Activities in Periploca aphylla: A Saudi Medicinal Plant. International Journal of Pharmacology, 2013, 9, 190-196.	0.1	13
52	New synthetic 1H-1,2,3-triazole derivatives of 3-O-acetyl- \hat{l}^2 -boswellic acid and 3-O-acetyl-11-keto- \hat{l}^2 -boswellic acid from Boswellia sacra inhibit carbonic anhydrase II in vitro. Medicinal Chemistry Research, 2021, 30, 1185-1198.	1.1	12
53	Systematic Review of Polyherbal Combinations Used in Metabolic Syndrome. Frontiers in Pharmacology, 2021, 12, 752926.	1.6	12
54	Gut and airways relaxant effects of Carum roxburghianum. Journal of Ethnopharmacology, 2012, 141, 938-946.	2.0	11

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55	Fluorescence spectroscopy-partial least square regression method for the quantification of quercetin in Euphorbia masirahensis. Measurement: Journal of the International Measurement Confederation, 2018, 121, 355-359.	2.5	11
56	Secondary metabolites from the resins of <i>Aloe vera</i> and <i>Commiphora mukul</i> mitigate lipid peroxidation. Acta Pharmaceutica, 2019, 69, 433-441.	0.9	11
57	Protective Effect of Thymus serrulatus Essential Oil on Cadmium-Induced Nephrotoxicity in Rats, through Suppression of Oxidative Stress and Downregulation of NF-κB, iNOS, and Smad2 mRNA Expression. Molecules, 2021, 26, 1252.	1.7	11
58	Anti-diabetic potential of \hat{l}^2 -boswellic acid and 11 -keto- \hat{l}^2 -boswellic acid: Mechanistic insights from computational and biochemical approaches. Biomedicine and Pharmacotherapy, 2022, 147, 112669.	2.5	11
59	Phytochemical Profiling and Bio-Potentiality of Genus Scutellaria: Biomedical Approach. Biomolecules, 2022, 12, 936.	1.8	11
60	Pyrethroid-Induced Organ Toxicity and Anti-Oxidant-Supplemented Amelioration of Toxicity and Organ Damage: The Protective Roles of Ascorbic Acid and $\hat{l}\pm$ -Tocopherol. International Journal of Environmental Research and Public Health, 2020, 17, 6177.	1.2	10
61	Biosynthetic diversity in triterpene cyclization within the Boswellia genus. Phytochemistry, 2021, 184, 112660.	1.4	10
62	Pharmacological Basis for Medicinal Use of <i>Lens culinaris</i> in Gastrointestinal and Respiratory Disorders. Phytotherapy Research, 2014, 28, 1349-1358.	2.8	9
63	Total polyphenols quantification in Acridocarpus orientalis and Moringa peregrina by using NIR spectroscopy coupled with PLS regression. Chemical Data Collections, 2018, 13-14, 104-112.	1.1	9
64	Evidence for the involvement of a GABAergic mechanism in the effectiveness of natural and synthetically modified incensole derivatives in neuropharmacological disorders: A computational and pharmacological approach. Phytochemistry, 2019, 163, 58-74.	1.4	9
65	Organic extracts from Cleome droserifolia exhibit effective caspase-dependent anticancer activity. BMC Complementary Medicine and Therapies, 2020, 20, 74.	1.2	9
66	Chemical Constituents and Carbonic Anhydrase II Activity of Essential Oil of <i>Acridocarpus orientalis</i> A. Juss. in Comparison With Stem and Leaves. Journal of Essential Oil-bearing Plants: JEOP, 2021, 24, 68-74.	0.7	9
67	Commikuanoids A-C: New cycloartane triterpenoids with exploration of carbonic anhydrase-Il inhibition from the resins of Commiphora kua by in vitro and in silico molecular docking. Fìtoterapìâ, 2022, 157, 105125.	1.1	9
68	Carveol Promotes Nrf2 Contribution in Depressive Disorders through an Anti-inflammatory Mechanism. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-16.	1.9	9
69	Cardiovascular Effects of <i>Juniperus excelsa </i> Are Mediated Through Multiple Pathways. Clinical and Experimental Hypertension, 2012, 34, 209-216.	0.5	8
70	Antidiarrheal and Antispasmodic Activities of <i>Buddleja polystachya</i> are Mediated Through Dual Inhibition of Ca ⁺⁺ Influx and Phosphodiesterase Enzyme. Phytotherapy Research, 2015, 29, 1211-1218.	2.8	8
71	Differential Cytotoxic Potential of Acridocarpus orientalis Leaf and Stem Extracts with the Ability to Induce Multiple Cell Death Pathways. Molecules, 2019, 24, 3976.	1.7	8
72	Lophenol and lathosterol from resin of Commiphora kua possess hepatoprotective effects in vivo. Journal of Ethnopharmacology, 2020, 252, 112558.	2.0	8

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73	FT-NIRS Coupled with PLS Regression as a Complement to HPLC Routine Analysis of Caffeine in Tea Samples. Foods, 2020, 9, 827.	1.9	8
74	Crisaborole Loaded Nanoemulsion Based Chitosan Gel: Formulation, Physicochemical Characterization and Wound Healing Studies. Gels, 2022, 8, 318.	2.1	8
75	Pharmacological basis for the medicinal use of <i>Morus alba</i> in gut and airways disorders. Bangladesh Journal of Pharmacology, 2012, 7, .	0.1	7
76	Loading AKBA on surface of silver nanoparticles to improve their sedative-hypnotic and anti-inflammatory efficacies. Nanomedicine, 2019, 14, 2783-2798.	1.7	7
77	An engineered microfluidic bloodâ€brain barrier model to evaluate the antiâ€metastatic activity of βâ€boswellic acid. Biotechnology Journal, 2021, 16, e2100044.	1.8	7
78	Pharmacological Studies on Antidiarrheal, Gut Modulatory, Bronchodilatory and Vasodilatory Activities of Myrica nagi. International Journal of Pharmacology, 2015, 11, 888-898.	0.1	7
79	New Carbonic Anhydrase-II Inhibitors from Marine Macro Brown Alga Dictyopteris hoytii Supported by In Silico Studies. Molecules, 2021, 26, 7074.	1.7	7
80	Dual Inhibition of Phosphodiesterase and Ca++ Channels Explains the Medicinal Use of Balanites aegyptiaca (L.) in Hyperactive Gut Disorders. Plants, 2022, 11, 1183.	1.6	7
81	Enzymes Inhibition and Antioxidant Potential of Medicinal Plants Growing in Oman. BioMed Research International, 2022, 2022, 1-9.	0.9	7
82	Chemical Composition and Biological Activities of Essential Oil from Aerial Parts of <i>Frankenia pulverulenta </i> L. and <i>Boerhavia elegans </i> Choisy from Northern Oman. Journal of Essential Oil-bearing Plants: JEOP, 2021, 24, 1180-1191.	0.7	6
83	Studies on Bronchodilator Activity of <i>Salvia officinalis</i> (Sage): Possible Involvement of K ⁺ Channel Activation and Phosphodiesterase Inhibition. Phytotherapy Research, 2015, 29, 1323-1329.	2.8	5
84	Effect of Roflumilast in airways disorders via dual inhibition of phosphodiesterase and Ca2+-channel. Saudi Pharmaceutical Journal, 2020, 28, 698-702.	1.2	5
85	Fungal metabolites as anti-diabetic agents: emphasis on PTP1B inhibitors. Phytochemistry Reviews, 2021, 20, 119-143.	3.1	5
86	Possible Tracheal Relaxant and Antimicrobial Effects of the Essential Oil of Ethiopian Thyme Species (Thymus serrulatus Hochst. ex Benth.): A Multiple Mechanistic Approach. Frontiers in Pharmacology, 2021, 12, 615228.	1.6	5
87	Bio-Potency and Molecular Docking Studies of Isolated Compounds from Grewia optiva J.R. Drumm. ex Burret. Molecules, 2021, 26, 2019.	1.7	5
88	Eupholaricanone, a potent α-glucosidase anthracene derivative from Euphorbia larica Boiss. South African Journal of Botany, 2022, 148, 88-92.	1.2	5
89	Ethnopharmacological studies on <i>Chrozophora prostrata</i> in perspective of its folkloric reputation as purgative. Bangladesh Journal of Pharmacology, 2012, 7, .	0.1	4
90	Evaluation of bronchodialatory and antimicrobial activities of Otostegia fruticosa: A multi-mechanistic approach. Saudi Pharmaceutical Journal, 2020, 28, 281-289.	1.2	4

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91	Secondary metabolites from acridocarpus orientalis inhibits 4T1 cells and promotes mesenchymal stem cells (MSCs) proliferation. Molecular Biology Reports, 2020, 47, 5421-5430.	1.0	4
92	GC–MS Analysis and In Vivo and Ex Vivo Antidiarrheal and Antispasmodic Effects of the Methanolic Extract of Acacia nilotica. Molecules, 2022, 27, 2107.	1.7	4
93	Blood pressure lowering, vasodilator and cardiac-modulatory potential of <i>Carum roxburghianum </i> seed extract. Clinical and Experimental Hypertension, 2015, 37, 102-107.	0.5	3
94	Anti-proliferative potential of cyclotetrapeptides from Bacillus velezensis RA5401 and their molecular docking on G-Protein-Coupled Receptors. Microbial Pathogenesis, 2018, 123, 419-425.	1.3	3
95	Chemical Constituents of Acridocarpus orientalis and Their Chemotaxonomic Significance. Chemistry of Natural Compounds, 2019, 55, 586-588.	0.2	3
96	Analysis of incensole acetate in <i>Boswellia</i> species by near infrared spectroscopy coupled with partial least squares regression and cross-validation by high-performance liquid chromatography. Journal of Near Infrared Spectroscopy, 2020, 28, 18-24.	0.8	3
97	Myrrhanone B and Myrrhanol B from resin of Commipohora mukul exhibit hepatoprotective effects in-vivo. Biomedicine and Pharmacotherapy, 2021, 143, 112131.	2.5	3
98	Design, Synthesis and Molecular Docking Study of Novel 3-Phenyl-Î ² -Alanine-Based Oxadiazole Analogues as Potent Carbonic Anhydrase II Inhibitors. Molecules, 2022, 27, 816.	1.7	3
99	Evaluation of in vitro α-amylase inhibitory activity and antidiabetic effect of Myrica salicifolia in streptozotocin-induced diabetic mice. Pakistan Journal of Pharmaceutical Sciences, 2020, 33, 1917-1926.	0.2	3
100	Heterogeneous Pd/C-catalyzed, ligand free Suzuki–Miyaura coupling reaction furnishes new p-terphenyl derivatives. Natural Product Research, 2020, , 1-5.	1.0	2
101	Chemical Constituents and Biological Activities of the Oil from Lycium shawii STEM. Chemistry of Natural Compounds, 2020, 56, 1156-1158.	0.2	2
102	Cadmium-induced Hepatotoxicity and Oxidative Stress in Rats: Protection by Roflumilast via NF- \hat{l}^2 B and HO-1 Pathway. International Journal of Pharmacology, 2020, 16, 154-163.	0.1	2
103	Anti-hyperglycemic activity of Heliotropium strigosum (Boraginaecae) whole plant extract in alloxan-induced diabetic mice. Tropical Journal of Pharmaceutical Research, 2017, 16, 2425-2430.	0.2	2
104	In Silico and Ex Vivo Studies on the Spasmolytic Activities of Fenchone Using Isolated Guinea Pig Trachea. Molecules, 2022, 27, 1360.	1.7	2
105	<i>Myrica salicifolia</i> Hochst. ex A. Rich. suppress acetic acid-induced ulcerative colitis in rats by reducing TNF-alpha and interleukin-6, oxidative stress parameters and improving mucosal protection. Human and Experimental Toxicology, 2022, 41, 096032712211025.	1.1	2
106	Cardiovascular inhibitory properties of <i>Lens culinaris</i> . Bangladesh Journal of Pharmacology, 2014, 9, .	0.1	1
107	Dual Inhibition of Ca+2Influx and Phosphodiesterase Enzyme Provides Scientific Base for the Medicinal Use ofChrozophora prostrataDalz. in Respiratory Disorders. Phytotherapy Research, 2016, 30, 1010-1015.	2.8	1
108	A New Anticancer Bisflavan-3-Ol from Boerhavia elegans. Chemistry of Natural Compounds, 2020, 56, 235-238.	0.2	1

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109	The GC-MS Analysis of the Essential Oil of Cleome austroarabica. Chemistry of Natural Compounds, 2021, 57, 174-176.	0.2	1
110	Blood Pressure Lowering Effect of Morus alba is Mediated Through Ca++ Antagonist Pathway. International Journal of Pharmacology, 2014, 10, 225-230.	0.1	1
111	<p>Multiple Pathway–Mediated Gut-Modulatory Effects of Maerua subcordata (Gilg) DeWolf</p> . Journal of Experimental Pharmacology, 2020, Volume 12, 203-211.	1.5	0
112	Brucine Prevents DMH Induced Colon Carcinogenesis in Wistar Rats. International Journal of Pharmacology, 2020, 16, 319-329.	0.1	0
113	Microwave-Assisted: An Efficient Aqueous Suzuki-Miyaura Cross-Coupling Reaction of the Substituted 1H-1,2,3-Triazoles. Current Microwave Chemistry, 2022, 09, .	0.2	0