List of Publications by Year in descending order

105 papers	4,760 citations	94269 37 h-index	118652 62 g-index
116 all docs	116 docs citations	116 times ranked	4584 citing authors

#	Article	IF	Citations
1	Biosynthesis of Metal Nanoparticles via Microbial Enzymes: A Mechanistic Approach. International Journal of Molecular Sciences, 2018, 19, 4100.	1.8	292
2	Flavonoids as Prospective Neuroprotectants and Their Therapeutic Propensity in Aging Associated Neurological Disorders. Frontiers in Aging Neuroscience, 2019, 11, 155.	1.7	220
3	Synergistic interactions of phytochemicals with antimicrobial agents: Potential strategy to counteract drug resistance. Chemico-Biological Interactions, 2019, 308, 294-303.	1.7	184
4	Neuroprotective and Anti-Aging Potentials of Essential Oils from Aromatic and Medicinal Plants. Frontiers in Aging Neuroscience, 2017, 9, 168.	1.7	176
5	HPLC-DAD finger printing, antioxidant, cholinesterase, and Î±-glucosidase inhibitory potentials of a novel plant Olax nana. BMC Complementary and Alternative Medicine, 2018, 18, 1.	3.7	169
6	Anti-Alzheimerâ€™s Studies on Î²-Sitosterol Isolated from Polygonum hydropiper L.. Frontiers in Pharmacology, 2017, 8, 697.	1.6	159
7	Enantiodivergent Organocascade Reactions. Angewandte Chemie - International Edition, 2010, 49, 846-849.	7.2	126
8	Wound healing applications of biogenic colloidal silver and gold nanoparticles: recent trends and future prospects. Applied Microbiology and Biotechnology, 2018, 102, 4305-4318.	1.7	115
9	Sertraline enhances the activity of antimicrobial agents against pathogens of clinical relevance. Journal of Biological Research, 2015, 22, 4.	2.2	102
10	Comparative chemical profiling, cholinesterase inhibitions and anti-radicals properties of essential oils from Polygonum hydropiper L: A Preliminary anti- Alzheimerâ€™s study. Lipids in Health and Disease, 2015, 14, 141.	1.2	99
11	Phyto-Therapeutic and Nanomedicinal Approaches to Cure Alzheimerâ€™s Disease: Present Status and Future Opportunities. Frontiers in Aging Neuroscience, 2018, 10, 284.	1.7	99
12	Phenolic contents, antioxidant and anticholinesterase potentials of crude extract, subsequent fractions and crude saponins from Polygonum hydropiper L. BMC Complementary and Alternative Medicine, 2014, 14, 145.	3.7	96
13	Multifunctional theranostic applications of biocompatible green-synthesized colloidal nanoparticles. Applied Microbiology and Biotechnology, 2018, 102, 4393-4408.	1.7	95
14	Design, synthesis, in-vitro, in-vivo and in-silico studies of pyrrolidine-2,5-dione derivatives as multitarget anti-inflammatoryÂagents. European Journal of Medicinal Chemistry, 2020, 186, 111863.	2.6	95
15	Synthesis, anticholinesterase and antioxidant potentials of ketoesters derivatives of succinimides: a possible role in the management of Alzheimerâ€™s. Chemistry Central Journal, 2015, 9, 31.	2.6	80
16	Synthesis, in-vitro Î±-glucosidase inhibition, antioxidant, in-vivo antidiabetic and molecular docking studies of pyrrolidine-2,5-dione and thiazolidine-2,4-dione derivatives. Bioorganic Chemistry, 2019, 91, 103128.	2.0	79
17	Chemical composition, antioxidant and anticholinesterase potentials of essential oil of Rumex hastatus D. Don collected from the North West of Pakistan. BMC Complementary and Alternative Medicine, 2016, 16, 29.	3.7	78
18	Antioxidant and anticholinesterase investigations of Rumex hastatus D. Don: potential effectiveness in oxidative stress and neurological disorders. Biological Research, 2015, 48, 20.	1.5	72

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19	Extraction optimization, total phenolic, flavonoid contents, HPLC-DAD analysis and diverse pharmacological evaluations of Dysphania ambrosioides (L.) Mosyakin & Clemants. Natural Product Research, 2019, 33, 136-142.	1.0	72
20	Molecularly Characterized Solvent Extracts and Saponins from Polygonum hydropiper L. Show High Anti-Angiogenic, Anti-Tumor, Brine Shrimp, and Fibroblast NIH/3T3 Cell Line Cytotoxicity. Frontiers in Pharmacology, 2016, 7, 74.	1.6	69
21	Seripheidium quettense mediated green synthesis of biogenic silver nanoparticles and their theranostic applications. Green Chemistry Letters and Reviews, 2019, 12, 310-322.	2.1	68
22	Anticholinesterse and antioxidant investigations of crude extracts, subsequent fractions, saponins and flavonoids of atriplex laciniata L.: potential effectiveness in Alzheimerâ€™s and other neurological disorders. Biological Research, 2015, 48, 21.	1.5	65
23	Phenolic, flavonoid contents, anticholinesterase and antioxidant evaluation of Iris germanica var; florentina. Natural Product Research, 2016, 30, 1440-1444.	1.0	65
24	Neurologically Potent Molecules from Crataegus oxyacantha; Isolation, Anticholinesterase Inhibition, and Molecular Docking. Frontiers in Pharmacology, 2017, 8, 327.	1.6	65
25	Editorial: Natural Products-Based Drugs: Potential Therapeutics Against Alzheimerâ€™s Disease and Other Neurological Disorders. Frontiers in Pharmacology, 2019, 10, 1417.	1.6	57
26	Cytotoxicity and molecular docking studies on phytosterols isolated from Polygonum hydropiper L. Steroids, 2019, 141, 30-35.	0.8	57
27	In vitro cholinesterase enzymes inhibitory potential and in silico molecular docking studies of biogenic metal oxides nanoparticles. Inorganic and Nano-Metal Chemistry, 2018, 48, 441-448.	0.9	53
28	Lawsonia Inermis Markedly Improves Cognitive Functions in Animal Models and Modulate Oxidative Stress Markers in the Brain. Medicina (Lithuania), 2019, 55, 192.	0.8	51
29	Chemical Characterization, Analgesic, Antioxidant, and Anticholinesterase Potentials of Essential Oils From Isodon rugosus Wall. ex. Benth. Frontiers in Pharmacology, 2018, 9, 623.	1.6	50
30	Chemical profiling, antimicrobial and insecticidal evaluations of Polygonum hydropiper L. BMC Complementary and Alternative Medicine, 2016, 16, 502.	3.7	49
31	Phytochemical Analysis, Ephedra Procera C. A. Mey. Mediated Green Synthesis of Silver Nanoparticles, Their Cytotoxic and Antimicrobial Potentials. Medicina (Lithuania), 2019, 55, 369.	0.8	48
32	Heavy metals analysis, phytochemical, phytotoxic and anthelmintic investigations of crude methanolic extract, subsequent fractions and crude saponins from Polygonum hydropiper L. BMC Complementary and Alternative Medicine, 2014, 14, 465.	3.7	47
33	Treating Hyperglycemia From Eryngium caeruleum M. Bieb: In-vitro Î±-Glucosidase, Antioxidant, in-vivo Antidiabetic and Molecular Docking-Based Approaches. Frontiers in Chemistry, 2020, 8, 558641.	1.8	45
34	Floral extracts-mediated green synthesis of NiO nanoparticles and their diverse pharmacological evaluations. Journal of Biomolecular Structure and Dynamics, 2021, 39, 4133-4147.	2.0	43
35	General One-pot, Two-Step Protocol Accessing a Range of Novel Polycyclic Heterocycles with High Skeletal Diversity. ACS Combinatorial Science, 2012, 14, 460-464.	3.8	42
36	Cellular efflux transporters and the potential role of natural products in combating efflux mediated drug resistance. Frontiers in Bioscience - Landmark, 2017, 22, 732-756.	3.0	42

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37	Amino acid conjugated antimicrobial drugs: Synthesis, lipophilicity- activity relationship, antibacterial and urease inhibition activity. European Journal of Medicinal Chemistry, 2018, 145, 140-153.	2.6	42
38	Synthesis of tetrazolo-fused benzodiazepines and benzodiazepinones by a two-step protocol using an Ugi-azide reaction for initial diversity generation. Tetrahedron, 2012, 68, 5606-5611.	1.0	41
39	Phytochemical and toxicological investigations of crude methanolic extracts, subsequent fractions and crude saponins of Isodon rugosus. Biological Research, 2014, 47, 57.	1.5	41
40	GC-MS Analysis and Gastroprotective Evaluations of Crude Extracts, Isolated Saponins, and Essential Oil from Polygonum hydropiper L.. Frontiers in Chemistry, 2017, 5, 58.	1.8	38
41	Investigations of anticholinestrase and antioxidant potentials of methanolic extract, subsequent fractions, crude saponins and flavonoids isolated from Isodon rugosus. Biological Research, 2014, 47, 76.	1.5	37
42	Microbes-mediated synthesis strategies of metal nanoparticles and their potential role in cancer therapeutics. Seminars in Cancer Biology, 2022, 86, 693-705.	4.3	37
43	Î²-Sitosterol from Ifloga spicata (Forssk.) Sch. Bip. as potential anti-leishmanial agent against leishmania tropica: Docking and molecular insights. Steroids, 2019, 148, 56-62.	0.8	35
44	Bio-guided profiling and HPLC-DAD finger printing of Atriplex lasiantha Boiss. BMC Complementary and Alternative Medicine, 2019, 19, 4.	3.7	34
45	Novel succinct routes to quinoxalines and 2-benzimidazolylquinoxalines via the Ugi reaction. Tetrahedron Letters, 2014, 55, 3406-3409.	0.7	33
46	Anti-nociceptive Activity of Ethnomedicinally Important Analgesic Plant Isodon rugosus Wall. ex Benth: Mechanistic Study and Identifications of Bioactive Compounds. Frontiers in Pharmacology, 2016, 7, 200.	1.6	33
47	Antitumor and anti-angiogenic potentials of isolated crude saponins and various fractions of Rumex hastatus D. Don.. Biological Research, 2016, 49, 18.	1.5	33
48	Neuroprotective potential of Malva neglecta is mediated via down-regulation of cholinesterase and modulation of oxidative stress markers. Metabolic Brain Disease, 2021, 36, 889-900.	1.4	33
49	Synthesis of Diverse Nitrogen-Enriched Heterocyclic Scaffolds Using a Suite of Tunable One-Pot Multicomponent Reactions. Journal of Organic Chemistry, 2014, 79, 5153-5162.	1.7	31
50	In-silico design of peptide inhibitors of K-Ras target in cancer disease. Journal of Biomolecular Structure and Dynamics, 2020, 38, 5488-5499.	2.0	31
51	Potential Role of Plant Extracts and Phytochemicals Against Foodborne Pathogens. Applied Sciences (Switzerland), 2020, 10, 4597.	1.3	31
52	A novel route to synthesize libraries of quinoxalines via Petasis methodology in two synthetic operations. Tetrahedron Letters, 2011, 52, 4821-4823.	0.7	30
53	Antibacterial and antifungal potentials of the solvents extracts from Eryngium caeruleum, Notholirion thomsonianum and Allium consanguineum. BMC Complementary and Alternative Medicine, 2016, 16, 478.	3.7	30
54	Comparative Cholinesterase, Î±-Glucosidase Inhibitory, Antioxidant, Molecular Docking, and Kinetic Studies on Potent Succinimide Derivatives . Drug Design, Development and Therapy, 2020, Volume 14, 2165-2178.	2.0	30

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55	Phytochemical analysis and wound healing studies on ethnomedicinally important plant Malva neglecta Wallr. Journal of Ethnopharmacology, 2020, 249, 112401.	2.0	29
56	Evaluation of Rumex hastatus D. Don for cytotoxic potential against HeLa and NIH/3T3 cell lines: chemical characterization of chloroform fraction and identification of bioactive compounds. BMC Complementary and Alternative Medicine, 2016, 16, 308.	3.7	27
57	Pharmacological Evaluation of Aldehydic-Pyrrolidinedione Against HCT-116, MDA-MB231, NIH/3T3, MCF-7 Cancer Cell Lines, Antioxidant and Enzyme Inhibition Studies . Drug Design, Development and Therapy, 2019, Volume 13, 4185-4194.	2.0	27
58	Persicaria hydropiper (L.) Delarbre: A review on traditional uses, bioactive chemical constituents and pharmacological and toxicological activities. Journal of Ethnopharmacology, 2020, 251, 112516.	2.0	27
59	6-Methoxyflavanone abates cisplatin-induced neuropathic pain apropos anti-inflammatory mechanisms: A behavioral and molecular simulation study. European Journal of Pharmacology, 2020, 872, 172972.	1.7	27
60	Neuroprotective Studies on Polygonum hydropiper L. Essential Oils Using Transgenic Animal Models. Frontiers in Pharmacology, 2020, 11, 580069.	1.6	27
61	Characterization of phenolic compounds using UPLCâ€“HRMS and HPLCâ€“DAD and anti-cholinesterase and anti-oxidant activities of Trifolium repens L. leaves. European Food Research and Technology, 2020, 246, 485-496.	1.6	26
62	The Synthesis of Stable, Complex Organocesium Tetramic Acids through the Ugi Reaction and Cesiumâ€Carbonateâ€Promoted Cascades. Angewandte Chemie - International Edition, 2015, 54, 11672-11676.	7.2	25
63	Anti-emetic mechanisms of zingiber officinale against cisplatin induced emesis in the pigeon; behavioral and neurochemical correlates. BMC Complementary and Alternative Medicine, 2015, 15, 34.	3.7	25
64	Nanoantibiotics: Recent Developments and Future Prospects. Frontiers in Clinical Drug Research - Anti Infectives, 2019, , 158-182.	0.7	25
65	Demonstration of biological activities of extracts from Isodon rugosus Wall. Ex Benth: Separation and identification of bioactive phytoconstituents by GC-MS analysis in the ethyl acetate extract. BMC Complementary and Alternative Medicine, 2017, 17, 284.	3.7	24
66	Underlying Anticancer Mechanisms and Synergistic Combinations of Phytochemicals with Cancer Chemotherapeutics: Potential Benefits and Risks. Journal of Food Quality, 2022, 2022, 1-15.	1.4	23
67	Synthesis of Michael Adducts as Key Building Blocks for Potential Analgesic Drugs: In vitro, in vivo and in silico Explorations. Drug Design, Development and Therapy, 2021, Volume 15, 1299-1313.	2.0	21
68	Single precursor-based synthesis of transition metal sulfide nanoparticles and evaluation of their antimicrobial, antioxidant and cytotoxic potentials. Applied Nanoscience (Switzerland), 2021, 11, 2489-2502.	1.6	21
69	Cytotoxicity, anti-angiogenic, anti-tumor and molecular docking studies on phytochemicals isolated from Polygonum hydropiper L.. BMC Complementary Medicine and Therapies, 2021, 21, 239.	1.2	21
70	Phytochemical Analysis, Î±-Glucosidase and Amylase Inhibitory, and Molecular Docking Studies on Persicaria hydropiper L. Leaves Essential Oils. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-11.	0.5	20
71	Ephedra intermedia mediated synthesis of biogenic silver nanoparticles and their antimicrobial, cytotoxic and hemocompatability evaluations. Inorganic Chemistry Communication, 2022, 137, 109252.	1.8	20
72	Suppression of Cisplatin-Induced Vomiting by Cannabis sativa in Pigeons: Neurochemical Evidences. Frontiers in Pharmacology, 2018, 9, 231.	1.6	19

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73	Novel urease inhibitors fromDaphne oleoids. Journal of Enzyme Inhibition and Medicinal Chemistry, 2006, 21, 527-529.	2.5	18
74	The bioâ€“nano interface as an emerging trend in assembling multi-functional metal nanoparticles. SPR Nanoscience, 2021, , 1-24.	0.3	17
75	Crude extract and isolated bioactive compounds from Notholirion thomsonianum (Royale) Stapf as multitargets antidiabetic agents: in-vitro and molecular docking approaches. BMC Complementary Medicine and Therapies, 2021, 21, 270.	1.2	17
76	HPLC-DAD phenolics analysis, Î±-glucosidase, Î±-amylase inhibitory, molecular docking and nutritional profiles of Persicaria hydropiper L.. BMC Complementary Medicine and Therapies, 2022, 22, 26.	1.2	16
77	Effect of Low-Melting Fractions of Milk Fat on Lipolysis of Cheddar Cheese. Journal of Food Processing and Preservation, 2015, 39, 2516-2522.	0.9	15
78	Ethyl 3-oxo-2-(2,5-dioxopyrrolidin-3-yl)butanoate Derivatives: Anthelmintic and Cytotoxic Potentials, Antimicrobial, and Docking Studies. Frontiers in Chemistry, 2017, 5, 119.	1.8	15
79	In-silico evaluations of the isolated phytosterols from polygonum hydropiper L against BACE1 and MAO drug targets. Journal of Biomolecular Structure and Dynamics, 2022, 40, 10230-10238.	2.0	15
80	A Robust Protocol for the Synthesis of Quinoxalines and 5H-Benzo[e][1,4]diÂazepines via the Acidless Ugi Reaction. Synlett, 2014, 25, 1680-1684.	1.0	14
81	Anticholinesterase and antioxidant potentials of Nonea micrantha Bioss. & Reut along with GC-MS analysis. BMC Complementary and Alternative Medicine, 2017, 17, 499.	3.7	14
82	In Silico, Cytotoxic and Antioxidant Potential of Novel Ester, 3-hydroxyoctyl -5-trans-docosenoate Isolated from Anchusa arvensis (L.) M.Bieb. Against HepG-2 Cancer Cells . Drug Design, Development and Therapy, 2019, Volume 13, 4195-4205.	2.0	14
83	Biosynthesized metal nanoparticles as potential Alzheimerâ€™s disease therapeutics. , 2020, , 31-42.		14
84	Benzoic Acid Derivatives of Ifloga spicata (Forssk.) Sch.Bip. as Potential Anti-Leishmanial against Leishmania tropica. Processes, 2019, 7, 208.	1.3	13
85	Lipolysis and antioxidant properties of cow and buffalo cheddar cheese in accelerated ripening. Lipids in Health and Disease, 2018, 17, 228.	1.2	12
86	Nutritional and medicinal aspects of Rumex hastatus D. Don along with in vitro anti-diabetic activity. International Journal of Food Properties, 2019, 22, 1733-1748.	1.3	12
87	DPPH, ABTS free radical scavenging, antibacterial and phytochemical evaluation of crude methanolic extract and subsequent fractions of Chenopodium botrys aerial parts. Pakistan Journal of Pharmaceutical Sciences, 2017, 30, 761-766.	0.2	12
88	Mechanisms underlying the anticancer applications of biosynthesized nanoparticles. , 2021, , 229-248.		11
89	Biosynthesized Metallic Nanoparticles as Emerging Cancer Theranostics Agents. , 2019, , 229-244.		10
90	Antioxidant, Enzyme Inhibitory, and Molecular Docking Approaches to the Antidiabetic Potentials of Bioactive Compounds from Persicaria hydropiper L.. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-13.	0.5	10

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91	Elaeagnoside, chymotrypsin inhibiting steroidal glucoside fromElaeagnus orientalis. Natural Product Research, 2009, 23, 409-414.	1.0	9
92	Metal oxide nanoparticles and plants. , 2020, , 123-141.		9
93	Neuroprotective potentials of selected natural edible oils using enzyme inhibitory, kinetic and simulation approaches. BMC Complementary Medicine and Therapies, 2021, 21, 248.	1.2	9
94	Phytochemistry, anti-diabetic and antioxidant potentials of Allium consanguineum Kunth. BMC Complementary Medicine and Therapies, 2022, 22, .	1.2	9
95	A simple one-pot 2-step N-1-alkylation of indoles with Î±-iminoketones toward the expeditious 3-step synthesis of N-1-quinoxaline-indoles. Tetrahedron Letters, 2013, 54, 6719-6721.	0.7	7
96	Analagesic and Anti-Inflammatory Potentials of a Less Ulcerogenic Thiadiazinethione Derivative in Animal Models: Biochemical and Histochemical Correlates. Drug Design, Development and Therapy, 2022, Volume 16, 1143-1157.	2.0	7
97	Editorial: Current Trends in Medicinal Plant Research and Neurodegenerative Disorders. Frontiers in Pharmacology, 0, 13, .	1.6	7
98	Saponins and solvent extracts from Atriplex laciniata L. exhibited high anthelmintic and Insecticidal activities. Journal of Traditional Chinese Medicine = Chung I Tsa Chih Ying Wen Pan / Sponsored By All-China Association of Traditional Chinese Medicine, Academy of Traditional Chinese Medicine, 2017, 37, 599-606.	0.4	6
99	Cytotoxicity of Anchusa arvensis Against HepG-2 Cell Lines: Mechanistic and Computational Approaches. Current Topics in Medicinal Chemistry, 2020, 19, 2805-2813.	1.0	5
100	Antibacterial and antioxidant potential of biosynthesized silver nanoparticles using aqueous root extract of Angilica glauca. Inorganic and Nano-Metal Chemistry, 2021, 51, 1379-1385.	0.9	3
101	In vitroStudy on the Antimicrobial Activity of Human Tears with Respect to Age. Korean Journal of Clinical Laboratory Science, 2018, 50, 93-99.	0.1	3
102	Rivea hypocrateriformis (Desr.) Choisy: An Overview of Its Ethnomedicinal Uses, Phytochemistry, and Biological Activities and Prospective Research Directions. Journal of Chemistry, 2022, 2022, 1-11.	0.9	3
103	Synthesis, Enzyme Inhibition, and Molecular Docking Studies of Hydrazones from Dichlorophenylacetic Acids. Journal of the Chinese Chemical Society, 2016, 63, 1015-1021.	0.8	2
104	Evaluation of crude saponins, methanolic extract and subsequent fractions from Isodon rugosus Wall. ex Benth: Potentials of anti-angiogenesis in egg and anti-tumorigenesis in potato. Pakistan Journal of Pharmaceutical Sciences, 2019, 32, 1971-1977.	0.2	1
105	Synthesis and Pharmacological Properties of 1,3-Bis[(S)Phenylethyl]Imidazolidine-2-Thione. Pharmaceutical Chemistry Journal, 2016, 50, 382-387.	0.3	0