

# Muhammad Ayaz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/525841/publications.pdf>

Version: 2024-02-01

122  
papers

5,005  
citations

81743

39  
h-index

114278

63  
g-index

126  
all docs

126  
docs citations

126  
times ranked

4950  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In-silico</i> evaluations of the isolated phytosterols from <i>Polygonum hydropiper</i> L against BACE1 and MAO drug targets. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 10230-10238.	2.0	15
2	Microbes-mediated synthesis strategies of metal nanoparticles and their potential role in cancer therapeutics. <i>Seminars in Cancer Biology</i> , 2022, 86, 693-705.	4.3	37
3	HPLC-DAD phenolics analysis, $\alpha$ -glucosidase, $\alpha$ -amylase inhibitory, molecular docking and nutritional profiles of <i>Persicaria hydropiper</i> L.. <i>BMC Complementary Medicine and Therapies</i> , 2022, 22, 26.	1.2	16
4	Phytochemical Analysis, $\alpha$ -Glucosidase and Amylase Inhibitory, and Molecular Docking Studies on <i>Persicaria hydropiper</i> L. Leaves Essential Oils. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-11.	0.5	20
5	<i>Ephedra intermedia</i> mediated synthesis of biogenic silver nanoparticles and their antimicrobial, cytotoxic and hemocompatibility evaluations. <i>Inorganic Chemistry Communication</i> , 2022, 137, 109252.	1.8	20
6	Antioxidant, Enzyme Inhibitory, and Molecular Docking Approaches to the Antidiabetic Potentials of Bioactive Compounds from <i>Persicaria hydropiper</i> L.. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-13.	0.5	10
7	Analgesic and Anti-Inflammatory Potentials of a Less Ulcerogenic Thiadiazinethione Derivative in Animal Models: Biochemical and Histochemical Correlates. <i>Drug Design, Development and Therapy</i> , 2022, Volume 16, 1143-1157.	2.0	7
8	Underlying Anticancer Mechanisms and Synergistic Combinations of Phytochemicals with Cancer Chemotherapeutics: Potential Benefits and Risks. <i>Journal of Food Quality</i> , 2022, 2022, 1-15.	1.4	23
9	<i>Rivea hypocrateriformis</i> (Desr.) Choisy: An Overview of Its Ethnomedicinal Uses, Phytochemistry, and Biological Activities and Prospective Research Directions. <i>Journal of Chemistry</i> , 2022, 2022, 1-11.	0.9	3
10	Antibacterial and antioxidant potential of biosynthesized silver nanoparticles using aqueous root extract of <i>Angilica glauca</i> . <i>Inorganic and Nano-Metal Chemistry</i> , 2021, 51, 1379-1385.	0.9	3
11	Floral extracts-mediated green synthesis of NiO nanoparticles and their diverse pharmacological evaluations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 4133-4147.	2.0	43
12	The bio-nano interface as an emerging trend in assembling multi-functional metal nanoparticles. <i>SPR Nanoscience</i> , 2021, , 1-24.	0.3	17
13	Neuroprotective potential of <i>Malva neglecta</i> is mediated via down-regulation of cholinesterase and modulation of oxidative stress markers. <i>Metabolic Brain Disease</i> , 2021, 36, 889-900.	1.4	33
14	Synthesis of Michael Adducts as Key Building Blocks for Potential Analgesic Drugs: In vitro, in vivo and in silico Explorations. <i>Drug Design, Development and Therapy</i> , 2021, Volume 15, 1299-1313.	2.0	21
15	Single precursor-based synthesis of transition metal sulfide nanoparticles and evaluation of their antimicrobial, antioxidant and cytotoxic potentials. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 2489-2502.	1.6	21
16	Cytotoxicity, anti-angiogenic, anti-tumor and molecular docking studies on phytochemicals isolated from <i>Polygonum hydropiper</i> L.. <i>BMC Complementary Medicine and Therapies</i> , 2021, 21, 239.	1.2	21
17	Organochlorine pesticide residues in raw milk samples collected from dairy farms and urban areas of Lahore district, Pakistan. <i>Journal of Food Science and Technology</i> , 2021, 58, 129-137.	1.4	3
18	Neuroprotective potentials of selected natural edible oils using enzyme inhibitory, kinetic and simulation approaches. <i>BMC Complementary Medicine and Therapies</i> , 2021, 21, 248.	1.2	9

#	ARTICLE	IF	CITATIONS
19	Crude extract and isolated bioactive compounds from <i>Notholirion thomsonianum</i> (Royale) Stapf as multitargets antidiabetic agents: in-vitro and molecular docking approaches. <i>BMC Complementary Medicine and Therapies</i> , 2021, 21, 270.	1.2	17
20	Chemical composition, adulteration, total microbial load, and heavy metal in raw milk samples collected from dairy farms and urban areas in Lahore District, Pakistan. <i>Journal of Food Safety</i> , 2020, 40, e12729.	1.1	2
21	Design, synthesis, in-vitro, in-vivo and in-silico studies of pyrrolidine-2,5-dione derivatives as multitarget anti-inflammatory agents. <i>European Journal of Medicinal Chemistry</i> , 2020, 186, 111863.	2.6	95
22	<i>Persicaria hydropiper</i> (L.) Delarbre: A review on traditional uses, bioactive chemical constituents and pharmacological and toxicological activities. <i>Journal of Ethnopharmacology</i> , 2020, 251, 112516.	2.0	27
23	In-silico design of peptide inhibitors of K-Ras target in cancer disease. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 5488-5499.	2.0	31
24	Characterization of phenolic compounds using UPLC-MS/MS and HPLC-DAD and anti-cholinesterase and anti-oxidant activities of <i>Trifolium repens</i> L. leaves. <i>European Food Research and Technology</i> , 2020, 246, 485-496.	1.6	26
25	Phytochemical analysis and wound healing studies on ethnomedicinally important plant <i>Malva neglecta</i> Wallr. <i>Journal of Ethnopharmacology</i> , 2020, 249, 112401.	2.0	29
26	Potential Role of Plant Extracts and Phytochemicals Against Foodborne Pathogens. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4597.	1.3	31
27	Treating Hyperglycemia From <i>Eryngium caeruleum</i> M. Bieb: In-vitro $\alpha$ -Glucosidase, Antioxidant, in-vivo Antidiabetic and Molecular Docking-Based Approaches. <i>Frontiers in Chemistry</i> , 2020, 8, 558641.	1.8	45
28	Comparative Cholinesterase, $\alpha$ -Glucosidase Inhibitory, Antioxidant, Molecular Docking, and Kinetic Studies on Potent Succinimide Derivatives. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 2165-2178.	2.0	30
29	6-Methoxyflavanone abates cisplatin-induced neuropathic pain apropos anti-inflammatory mechanisms: A behavioral and molecular simulation study. <i>European Journal of Pharmacology</i> , 2020, 872, 172972.	1.7	27
30	Biosynthesized metal nanoparticles as potential Alzheimer's disease therapeutics. , 2020, , 31-42.		14
31	Neuroprotective Studies on <i>Polygonum hydropiper</i> L. Essential Oils Using Transgenic Animal Models. <i>Frontiers in Pharmacology</i> , 2020, 11, 580069.	1.6	27
32	Cytotoxicity of <i>Anchusa arvensis</i> Against HepG-2 Cell Lines: Mechanistic and Computational Approaches. <i>Current Topics in Medicinal Chemistry</i> , 2020, 19, 2805-2813.	1.0	5
33	Effect of Normosil Probiotic Supplementation on the Growth Performance and Blood Parameters of Broiler Chickens. <i>Indian Journal of Pharmaceutical Education and Research</i> , 2020, 54, 1046-1055.	0.3	10
34	Bio-therapeutics effects of probiotic strain on the gastrointestinal health of severely acute malnourished children. <i>Cellular and Molecular Biology</i> , 2020, 66, 65-72.	0.3	2
35	Effects of galacto-oligosaccharide prebiotics in blood profile of severely acute malnourished children. <i>Cellular and Molecular Biology</i> , 2020, 66, 37-44.	0.3	3
36	Synthesis, in-vitro $\alpha$ -glucosidase inhibition, antioxidant, in-vivo antidiabetic and molecular docking studies of pyrrolidine-2,5-dione and thiazolidine-2,4-dione derivatives. <i>Bioorganic Chemistry</i> , 2019, 91, 103128.	2.0	79

#	ARTICLE	IF	CITATIONS
37	Flavonoids as Prospective Neuroprotectants and Their Therapeutic Propensity in Aging Associated Neurological Disorders. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 155.	1.7	220
38	<i>Serpheidium quettense</i> mediated green synthesis of biogenic silver nanoparticles and their theranostic applications. <i>Green Chemistry Letters and Reviews</i> , 2019, 12, 310-322.	2.1	68
39	Phytochemical Analysis, Ephedra Procera C. A. Mey. Mediated Green Synthesis of Silver Nanoparticles, Their Cytotoxic and Antimicrobial Potentials. <i>Medicina (Lithuania)</i> , 2019, 55, 369.	0.8	48
40	Probing the physicochemical and sensorial properties of pasteurized milk via nanoparticles. <i>International Journal of Food Properties</i> , 2019, 22, 825-842.	1.3	2
41	Lawsonia Inermis Markedly Improves Cognitive Functions in Animal Models and Modulate Oxidative Stress Markers in the Brain. <i>Medicina (Lithuania)</i> , 2019, 55, 192.	0.8	51
42	Synergistic interactions of phytochemicals with antimicrobial agents: Potential strategy to counteract drug resistance. <i>Chemico-Biological Interactions</i> , 2019, 308, 294-303.	1.7	184
43	Benzoic Acid Derivatives of <i>Ifloga spicata</i> (Forssk.) Sch.Bip. as Potential Anti-Leishmanial against <i>Leishmania tropica</i> . <i>Processes</i> , 2019, 7, 208.	1.3	13
44	$\hat{1}^2$ -Sitosterol from <i>Ifloga spicata</i> (Forssk.) Sch. Bip. as potential anti-leishmanial agent against <i>leishmania tropica</i> : Docking and molecular insights. <i>Steroids</i> , 2019, 148, 56-62.	0.8	35
45	Measurement of Off-Flavoring Volatile Compounds and Microbial Load as a Probable Marker for Keeping Quality of Pasteurized Milk. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 959.	1.3	8
46	Editorial: Natural Products-Based Drugs: Potential Therapeutics Against Alzheimer's Disease and Other Neurological Disorders. <i>Frontiers in Pharmacology</i> , 2019, 10, 1417.	1.6	57
47	Nutritional and medicinal aspects of <i>Rumex hastatus</i> D. Don along with <i>in vitro</i> anti-diabetic activity. <i>International Journal of Food Properties</i> , 2019, 22, 1733-1748.	1.3	12
48	Pharmacological Evaluation of Aldehydic-Pyrrolidinedione Against HCT-116, MDA-MB231, NIH/3T3, MCF-7 Cancer Cell Lines, Antioxidant and Enzyme Inhibition Studies. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 4185-4194.	2.0	27
49	In Silico, Cytotoxic and Antioxidant Potential of Novel Ester, 3-hydroxyoctyl -5-trans-docosenoate Isolated from <i>Anchusa arvensis</i> (L.) M.Bieb. Against HepG-2 Cancer Cells. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 4195-4205.	2.0	14
50	Cytotoxicity and molecular docking studies on phytosterols isolated from <i>Polygonum hydropiper</i> L. <i>Steroids</i> , 2019, 141, 30-35.	0.8	57
51	Bio-guided profiling and HPLC-DAD finger printing of <i>Atriplex lasiantha</i> Boiss. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 4.	3.7	34
52	Extraction optimization, total phenolic, flavonoid contents, HPLC-DAD analysis and diverse pharmacological evaluations of <i>Dysphania ambrosioides</i> (L.) Mosyakin & Clemants. <i>Natural Product Research</i> , 2019, 33, 136-142.	1.0	72
53	Biogeochemical Cycle, Occurrence and Biological Treatments of Polycyclic Aromatic Hydrocarbons (PAHs). <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2019, 43, 1393-1410.	0.7	22
54	Biosynthesized Metallic Nanoparticles as Emerging Cancer Theranostics Agents. , 2019, , 229-244.		10

#	ARTICLE	IF	CITATIONS
55	Nanoantibiotics: Recent Developments and Future Prospects. <i>Frontiers in Clinical Drug Research - Anti Infectives</i> , 2019, , 158-182.	0.7	25
56	New acid dyes and their metal complexes: dyeing, thermal and antifungal behavior. <i>Journal of Applied Research and Technology</i> , 2019, 17, .	0.6	0
57	Phytochemical profiling and pharmacological evaluation of <i>Iploea spicata</i> (Forssk.) Sch. Bip. in leishmaniasis, lungs cancer and oxidative stress. <i>Pakistan Journal of Botany</i> , 2019, 51, .	0.2	5
58	Evaluation of crude saponins, methanolic extract and subsequent fractions from <i>Isodon rugosus</i> Wall. ex Benth: Potentials of anti-angiogenesis in egg and anti-tumorigenesis in potato. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2019, 32, 1971-1977.	0.2	1
59	Amino acid conjugated antimicrobial drugs: Synthesis, lipophilicity- activity relationship, antibacterial and urease inhibition activity. <i>European Journal of Medicinal Chemistry</i> , 2018, 145, 140-153.	2.6	42
60	Multifunctional theranostic applications of biocompatible green-synthesized colloidal nanoparticles. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 4393-4408.	1.7	95
61	Wound healing applications of biogenic colloidal silver and gold nanoparticles: recent trends and future prospects. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 4305-4318.	1.7	115
62	Chromium (III) complexes of azo dye ligands: Synthesis, characterization, DNA binding and application studies. <i>Inorganic and Nano-Metal Chemistry</i> , 2018, 48, 57-66.	0.9	9
63	Biosynthesis of Metal Nanoparticles via Microbial Enzymes: A Mechanistic Approach. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4100.	1.8	292
64	Lipolysis and antioxidant properties of cow and buffalo cheddar cheese in accelerated ripening. <i>Lipids in Health and Disease</i> , 2018, 17, 228.	1.2	12
65	Phyto-Therapeutic and Nanomedicinal Approaches to Cure Alzheimer's Disease: Present Status and Future Opportunities. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 284.	1.7	99
66	Synthesis of Symmetric Bridged Bis-Pyrazolone Based Metal Complex Acid Dyes and their Applications on Leather. <i>Journal of Fluorescence</i> , 2018, 28, 1181-1193.	1.3	9
67	Suppression of Cisplatin-Induced Vomiting by <i>Cannabis sativa</i> in Pigeons: Neurochemical Evidences. <i>Frontiers in Pharmacology</i> , 2018, 9, 231.	1.6	19
68	Chemical Characterization, Analgesic, Antioxidant, and Anticholinesterase Potentials of Essential Oils From <i>Isodon rugosus</i> Wall. ex. Benth. <i>Frontiers in Pharmacology</i> , 2018, 9, 623.	1.6	50
69	HPLC-DAD finger printing, antioxidant, cholinesterase, and $\beta$ -glucosidase inhibitory potentials of a novel plant <i>Oxalis nana</i> . <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 1.	3.7	169
70	In vitro cholinesterase enzymes inhibitory potential and in silico molecular docking studies of biogenic metal oxides nanoparticles. <i>Inorganic and Nano-Metal Chemistry</i> , 2018, 48, 441-448.	0.9	53
71	Demonstration of biological activities of extracts from <i>Isodon rugosus</i> Wall. Ex Benth: Separation and identification of bioactive phytoconstituents by GC-MS analysis in the ethyl acetate extract. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 284.	3.7	24
72	Saponins and solvent extracts from <i>Atriplex laciniata</i> L. exhibited high anthelmintic and Insecticidal activities. <i>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</i> , 2017, 37, 599-606.	0.4	6

#	ARTICLE	IF	CITATIONS
73	Cellular efflux transporters and the potential role of natural products in combating efflux mediated drug resistance. <i>Frontiers in Bioscience - Landmark</i> , 2017, 22, 732-756.	3.0	42
74	Neurologically Potent Molecules from <i>Crataegus oxyacantha</i> ; Isolation, Anticholinesterase Inhibition, and Molecular Docking. <i>Frontiers in Pharmacology</i> , 2017, 8, 327.	1.6	65
75	Anti-Alzheimer's Studies on $\beta$ -Sitosterol Isolated from <i>Polygonum hydropiper</i> L.. <i>Frontiers in Pharmacology</i> , 2017, 8, 697.	1.6	159
76	GC-MS Analysis and Gastroprotective Evaluations of Crude Extracts, Isolated Saponins, and Essential Oil from <i>Polygonum hydropiper</i> L.. <i>Frontiers in Chemistry</i> , 2017, 5, 58.	1.8	38
77	Ethyl 3-oxo-2-(2,5-dioxopyrrolidin-3-yl)butanoate Derivatives: Anthelmintic and Cytotoxic Potentials, Antimicrobial, and Docking Studies. <i>Frontiers in Chemistry</i> , 2017, 5, 119.	1.8	15
78	Neuroprotective and Anti-Aging Potentials of Essential Oils from Aromatic and Medicinal Plants. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 168.	1.7	176
79	Antioxidant capacity and fatty acids characterization of heat treated cow and buffalo milk. <i>Lipids in Health and Disease</i> , 2017, 16, 163.	1.2	58
80	Anticholinesterase and antioxidant potentials of <i>Nonea micrantha</i> Bioss. & Reut along with GC-MS analysis. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 499.	3.7	14
81	DPPH, ABTS free radical scavenging, antibacterial and phytochemical evaluation of crude methanolic extract and subsequent fractions of <i>Chenopodium botrys</i> aerial parts. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2017, 30, 761-766.	0.2	12
82	Synthesis, antinociceptive activity and structure activity relationship of flavone derivatives. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2017, 30, 1573-1580.	0.2	0
83	Molecularly Characterized Solvent Extracts and Saponins from <i>Polygonum hydropiper</i> L. Show High Anti-Angiogenic, Anti-Tumor, Brine Shrimp, and Fibroblast NIH/3T3 Cell Line Cytotoxicity. <i>Frontiers in Pharmacology</i> , 2016, 7, 74.	1.6	69
84	Anti-nociceptive Activity of Ethnomedicinally Important Analgesic Plant <i>Isodon rugosus</i> Wall. ex Benth: Mechanistic Study and Identifications of Bioactive Compounds. <i>Frontiers in Pharmacology</i> , 2016, 7, 200.	1.6	33
85	Chemical profiling, antimicrobial and insecticidal evaluations of <i>Polygonum hydropiper</i> L. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 502.	3.7	49
86	Antibacterial and antifungal potentials of the solvents extracts from <i>Eryngium caeruleum</i> , <i>Notholirion thomsonianum</i> and <i>Allium consanguineum</i> . <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 478.	3.7	30
87	Fractionation of chia oil for enrichment of omega 3 and 6 fatty acids and oxidative stability of fractions. <i>Food Science and Biotechnology</i> , 2016, 25, 41-47.	1.2	18
88	Synthesis and Pharmacological Properties of 1,3-Bis[(S)Phenylethyl]Imidazolidine-2-Thione. <i>Pharmaceutical Chemistry Journal</i> , 2016, 50, 382-387.	0.3	0
89	Synthesis, Enzyme Inhibition, and Molecular Docking Studies of Hydrazones from Dichlorophenylacetic Acids. <i>Journal of the Chinese Chemical Society</i> , 2016, 63, 1015-1021.	0.8	2
90	Evaluation of <i>Rumex hastatus</i> D. Don for cytotoxic potential against HeLa and NIH/3T3 cell lines: chemical characterization of chloroform fraction and identification of bioactive compounds. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 308.	3.7	27

#	ARTICLE	IF	CITATIONS
91	Antitumor and anti-angiogenic potentials of isolated crude saponins and various fractions of <i>Rumex hastatus</i> D. Don.. <i>Biological Research</i> , 2016, 49, 18.	1.5	33
92	Chemical composition, antioxidant and anticholinesterase potentials of essential oil of <i>Rumex hastatus</i> D. Don collected from the North West of Pakistan. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 29.	3.7	78
93	Phenolic, flavonoid contents, anticholinesterase and antioxidant evaluation of <i>Iris germanica</i> var <i>var florentina</i> . <i>Natural Product Research</i> , 2016, 30, 1440-1444.	1.0	65
94	Comparative chemical profiling, cholinesterase inhibitions and anti-radicals properties of essential oils from <i>Polygonum hydropiper</i> L: A Preliminary anti- Alzheimer's study. <i>Lipids in Health and Disease</i> , 2015, 14, 141.	1.2	99
95	Sertraline enhances the activity of antimicrobial agents against pathogens of clinical relevance. <i>Journal of Biological Research</i> , 2015, 22, 4.	2.2	102
96	Effect of Low-Melting Fractions of Milk Fat on Lipolysis of Cheddar Cheese. <i>Journal of Food Processing and Preservation</i> , 2015, 39, 2516-2522.	0.9	15
97	The Synthesis of Stable, Complex Organocesium Tetramic Acids through the Ugi Reaction and Cesium Carbonate Promoted Cascades. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11672-11676.	7.2	25
98	In Vitro Enzyme Inhibition Potentials and Antioxidant Activity of Synthetic Flavone Derivatives. <i>Journal of Chemistry</i> , 2015, 2015, 1-7.	0.9	12
99	Synthesis, anticholinesterase and antioxidant potentials of ketoesters derivatives of succinimides: a possible role in the management of Alzheimer's. <i>Chemistry Central Journal</i> , 2015, 9, 31.	2.6	80
100	Anti-emetic mechanisms of zingiber officinale against cisplatin induced emesis in the pigeon; behavioral and neurochemical correlates. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 34.	3.7	25
101	Antioxidant and anticholinesterase investigations of <i>Rumex hastatus</i> D. Don: potential effectiveness in oxidative stress and neurological disorders. <i>Biological Research</i> , 2015, 48, 20.	1.5	72
102	Anticholinesterase and antioxidant investigations of crude extracts, subsequent fractions, saponins and flavonoids of <i>atriplex laciniata</i> L.: potential effectiveness in Alzheimer's and other neurological disorders. <i>Biological Research</i> , 2015, 48, 21.	1.5	65
103	Antioxidant characteristics of ice cream supplemented with sugarcane ( <i>Saccharum officinarum</i> L.) juice. <i>Food Science and Biotechnology</i> , 2015, 24, 1227-1232.	1.2	10
104	Drought stress stunt tomato plant growth and up-regulate expression of SIAREB, SINCE3, and SIERF024 genes. <i>Scientia Horticulturae</i> , 2015, 195, 48-55.	1.7	9
105	A Robust Protocol for the Synthesis of Quinoxalines and 5H-Benzo[e][1,4]diazepines via the Acidless Ugi Reaction. <i>Synlett</i> , 2014, 25, 1680-1684.	1.0	14
106	Phytochemical and toxicological investigations of crude methanolic extracts, subsequent fractions and crude saponins of <i>Isodon rugosus</i> . <i>Biological Research</i> , 2014, 47, 57.	1.5	41
107	Investigations of anticholinesterase and antioxidant potentials of methanolic extract, subsequent fractions, crude saponins and flavonoids isolated from <i>Isodon rugosus</i> . <i>Biological Research</i> , 2014, 47, 76.	1.5	37
108	Heavy metals analysis, phytochemical, phytotoxic and anthelmintic investigations of crude methanolic extract, subsequent fractions and crude saponins from <i>Polygonum hydropiper</i> L. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 465.	3.7	47

#	ARTICLE	IF	CITATIONS
109	Phenolic contents, antioxidant and anticholinesterase potentials of crude extract, subsequent fractions and crude saponins from <i>Polygonum hydropiper</i> L. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 145.	3.7	96
110	Synthesis of Diverse Nitrogen-Enriched Heterocyclic Scaffolds Using a Suite of Tunable One-Pot Multicomponent Reactions. <i>Journal of Organic Chemistry</i> , 2014, 79, 5153-5162.	1.7	31
111	Novel succinct routes to quinoxalines and 2-benzimidazolylquinoxalines via the Ugi reaction. <i>Tetrahedron Letters</i> , 2014, 55, 3406-3409.	0.7	33
112	Crystal structure of 3-[(2-acetylphenoxy)carbonyl]benzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o1153-o1153.	0.2	1
113	A simple one-pot 2-step N-1-alkylation of indoles with $\alpha$ -iminoketones toward the expeditious 3-step synthesis of N-1-quinoxaline-indoles. <i>Tetrahedron Letters</i> , 2013, 54, 6719-6721.	0.7	7
114	General One-pot, Two-Step Protocol Accessing a Range of Novel Polycyclic Heterocycles with High Skeletal Diversity. <i>ACS Combinatorial Science</i> , 2012, 14, 460-464.	3.8	42
115	Synthesis of tetrazolo-fused benzodiazepines and benzodiazepinones by a two-step protocol using an Ugi-azide reaction for initial diversity generation. <i>Tetrahedron</i> , 2012, 68, 5606-5611.	1.0	41
116	Cation- $\pi$ and $\pi$ - $\pi$ stacking interactions allow selective inhibition of butyrylcholinesterase by modified quinine and cinchonidine alkaloids. <i>Biochemical and Biophysical Research Communications</i> , 2011, 404, 935-940.	1.0	26
117	A novel route to synthesize libraries of quinoxalines via Petasis methodology in two synthetic operations. <i>Tetrahedron Letters</i> , 2011, 52, 4821-4823.	0.7	30
118	Enantiodivergent Organocascade Reactions. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 846-849.	7.2	126
119	Enantioenriched Naphthoquinone Mannich Bases by Organocatalyzed Nucleophilic Additions to in situ Formed Imines. <i>Synlett</i> , 2010, 2010, 1489-1492.	1.0	2
120	Elaeagnoside, chymotrypsin inhibiting steroidal glucoside from <i>Elaeagnus orientalis</i> . <i>Natural Product Research</i> , 2009, 23, 409-414.	1.0	9
121	Novel urease inhibitors from <i>Daphne</i> oleoids. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2006, 21, 527-529.	2.5	18
122	Synthesis and antibacterial activity of substituted flavones, 4-thioflavones and 4-iminoflavones. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 4704-4711.	1.4	62