Essam A Abdel-Sattar

List of Publications by Year
in descending order

114	2,233	201674	289244
papers	citations	27 h-index	40 g-index

118	118	118	2864
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cranberry (Vaccinium macrocarpon) protects against doxorubicin-induced cardiotoxicity in rats. Food and Chemical Toxicology, 2010, 48, 1178-1184.	3.6	91
2	Methanolic extract of Marrubium vulgare ameliorates hyperglycemia and dyslipidemia in streptozotocin-induced diabetic rats. International Journal of Diabetes Mellitus, 2015, 3, 37-44.	0.6	78
3	Chemical composition, insecticidal and insect repellent activity of Schinus molle L. leaf and fruit essential oils against Trogoderma granarium and Tribolium castaneum. Natural Product Research, 2010, 24, 226-235.	1.8	77
4	Profiling of phenolic and other compounds from Egyptian cultivars of chickpea (Cicer arietinum L.) and antioxidant activity: a comparative study. RSC Advances, 2015, 5, 17751-17767.	3.6	70
5	In vitro cytotoxic screening of selected Saudi medicinal plants. Journal of Natural Medicines, 2012, 66, 406-412.	2.3	67
6	Pregnane Glycosides fromCaralluma russeliana. Journal of Natural Products, 2000, 63, 1451-1453.	3.0	66
7	Acylated pregnane glycosides from Caralluma tuberculata and their antiparasitic activity. Phytochemistry, 2008, 69, 2180-2186.	2.9	65
8	In Vitro activities of plant extracts from Saudi Arabia against malaria, leishmaniasis, sleeping sickness and Chagas disease. Phytotherapy Research, 2010, 24, 1322-1328.	5.8	57
9	Red onion scales ameliorated streptozotocin-induced diabetes and diabetic nephropathy in Wistar rats in relation to their metabolite fingerprint. Diabetes Research and Clinical Practice, 2018, 140, 253-264.	2.8	53
10	Antiplasmodial and antitrypanosomal activity of plants from the Kingdom of Saudi Arabia. Journal of Natural Medicines, 2009, 63, 232-239.	2.3	50
11	Antitumor Germacranolides fromAnvillea garcinii. Journal of Natural Products, 1996, 59, 403-405.	3.0	49
12	Anti-inflammatory and antiproliferative activities of date palm pollen (Phoenix dactylifera) on experimentally-induced atypical prostatic hyperplasia in rats. Journal of Inflammation, 2011, 8, 40.	3.4	47
13	Mechanisms of the antihyperglycemic activity of Retama raetam in streptozotocin-induced diabetic rats. Food and Chemical Toxicology, 2010, 48, 2448-2453.	3.6	45
14	Anti-inflammatory activity of flavonoids from Chrozophora tinctoria. Phytochemistry Letters, 2015, 13, 74-80.	1.2	45
15	Hibiscus sabdariffa L.: A potent natural neuroprotective agent for the prevention of streptozotocin-induced Alzheimerâ€™s disease in mice. Biomedicine and Pharmacotherapy, 2020, 128, 110303.	5.6	45
16	Acylated pregnane glycosides from Caralluma russeliana. Phytochemistry, 2007, 68, 1459-1463.	2.9	44
17	Phenolic Compounds from Sesame Cake and Antioxidant Activity: A New Insight for Agri-Food Residuesâ€™ Significance for Sustainable Development. Foods, 2019, 8, 432.	4.3	42
18	Screening of immunomodulatory activity of total and protein extracts of some Moroccan medicinal plants. Toxicology and Industrial Health, 2013, 29, 245-253.	1.4	41

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19	Penicillosides Aâ€“C, C-15 oxypregnane glycosides from Caralluma penicillata. Phytochemistry, 2001, 57, 1213-1217.	2.9	35
20	Anti-obesity effect of argel (Solenostemma argel) on obese rats fed a high fat diet. Journal of Ethnopharmacology, 2019, 238, 111893.	4.1	35
21	In-vitro screening of selected traditional medicinal plants for their anti-obesity and anti-oxidant activities. South African Journal of Botany, 2019, 123, 43-50.	2.5	35
22	Protective effect ofCalligonum comosumon haloperidol-induced oxidative stress in rat. Toxicology and Industrial Health, 2014, 30, 147-153.	1.4	34
23	Antihyperglycemic activity of Caralluma tuberculata in streptozotocin-induced diabetic rats. Food and Chemical Toxicology, 2013, 59, 111-117.	3.6	33
24	New Oxypregnane Glycosides from Caralluma penicillata. Planta Medica, 2002, 68, 430-434.	1.3	31
25	Acylated pregnane glycosides from Caralluma quadrangula. Phytochemistry, 2013, 88, 54-60.	2.9	29
26	Medicinal Plants and Natural Active Compounds for Cancer Chemoprevention/Chemotherapy. Evidence-based Complementary and Alternative Medicine, 2017, 2017, 1-2.	1.2	29
27	Comparative metabolite profiling and antioxidant potentials of seeds and sprouts of three Egyptian cultivars of Vicia faba L.. Food Research International, 2020, 136, 109537.	6.2	29
28	Protective effect of bilberry (Vaccinium myrtillus) against doxorubicin-induced oxidative cardiotoxicity in rats. Medical Science Monitor, 2011, 17, BR110-BR115.	1.1	29
29	Antihyperglycaemic and hypolipidaemic effects of the methanolic extract ofCaralluma tuberculatain streptozotocin-induced diabetic rats. Natural Product Research, 2011, 25, 1171-1179.	1.8	27
30	Pharmacological Action of a Pregnane Glycoside, Russelioside B, in Dietary Obese Rats: Impact on Weight Gain and Energy Expenditure. Frontiers in Pharmacology, 2018, 9, 990.	3.5	27
31	Antitrypanosomal activity of some pregnane glycosides isolated from Caralluma species. Phytomedicine, 2009, 16, 659-664.	5.3	26
32	In vitro anti-influenza virus activity of a cardiotonic glycoside from Adenium obesum (Forssk.). Phytomedicine, 2012, 19, 111-114.	5.3	24
33	Calligonum comosum extract inhibits diethylnitrosamine-induced hepatocarcinogenesis in rats. Oncology Letters, 2015, 10, 716-722.	1.8	24
34	Biological activities, isolated compounds and HPLC profile of Verbascum nubicum. Pharmaceutical Biology, 2019, 57, 485-497.	2.9	23
35	Chemical and Biological Investigation of Araucaria heterophylla Salisb. Resin. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2009, 64, 819-823.	1.4	21
36	Polyphenols LC-MS2 profile of Ajwa date fruit (Phoenix dactylifera L.) and their microemulsion: Potential impact on hepatic fibrosis. Journal of Functional Foods, 2018, 49, 401-411.	3.4	21

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37	Evaluation of antidiabetic activity of Morus nigra L. and Bauhinia variegata L. leaves as Egyptian remedies used for the treatment of diabetes. Natural Product Research, 2021, 35, 829-835.	1.8	20
38	Russelioside B; A pregnane glycoside for treatment of gastric ulcer via modulation of heat shock protein-70 and vascular endothelial growth factor. Steroids, 2021, 165, 108759.	1.8	20
39	Evaluation of the Potential Cardioprotective Activity of Some Saudi Plants against Doxorubicin Toxicity. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2012, 67, 297-307.	1.4	19
40	Russelioside B, a pregnane glycoside ameliorates hyperglycemia in streptozotocin induced diabetic rats by regulating key enzymes of glucose metabolism. Chemico-Biological Interactions, 2016, 252, 47-53.	4.0	19
41	Diterpene acids from Conyza incana. Phytochemistry, 1998, 48, 159-163.	2.9	18
42	Protective effect of Echinops galalensis against CCl4-induced injury on the human hepatoma cell line (Huh7). Phytochemistry Letters, 2013, 6, 73-78.	1.2	18
43	Hepatoprotective Effect and Chemical Assessment of a Selected Egyptian Chickpea Cultivar. Frontiers in Pharmacology, 2016, 7, 344.	3.5	18
44	Cytotoxicity of abietane diterpenoids from Salvia multicaulis towards multidrug-resistant cancer cells. FÃ¬toterapÃ¬Ã¢, 2018, 130, 54-60.	2.2	18
45	Acaricidal activity of Swietenia mahogani and Swietenia macrophylla ethanolic extracts against Varroa destructor in honeybee colonies. Experimental Parasitology, 2012, 130, 166-170.	1.2	17
46	Metabolic Profiling of the Oil of Sesame of the Egyptian Cultivar â€˜Giza 32â€™ Employing LC-MS and Tandem MS-Based Untargeted Method. Foods, 2021, 10, 298.	4.3	16
47	Bioguided Isolation of Antibiofilm and Antibacterial Pregnane Glycosides from Caralluma quadrangula: Disarming Multidrug-Resistant Pathogens. Antibiotics, 2021, 10, 811.	3.7	16
48	New Sulfides from Ferula rutabensis. International Journal of Pharmacognosy, 1996, 34, 189-193.	0.2	15
49	Isolation of major phenolics fromLaunaea spinosaand their protective effect on HepG2 cells damaged witht-BHP. Pharmaceutical Biology, 2016, 54, 536-541.	2.9	15
50	Black mulberry fruit extract alleviates streptozotocin-induced diabetic nephropathy in rats: targeting TNF-Î± inflammatory pathway. Journal of Pharmacy and Pharmacology, 2020, 72, 1615-1628.	2.4	15
51	HCV-NS3/4A Protease Inhibitory Iridoid Glucosides and Dimeric Foliamenthoic Acid Derivatives from Anarrhinum orientale. Journal of Natural Products, 2011, 74, 943-948.	3.0	14
52	Antihyperglycemic and hypolipidaemic effects of the methanolic extract of Saudi mistletoe (Viscum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	9.5	14
53	Antihepatotoxic effect of marrubium vulgare and withania somnifera extracts on carbon tetrachloride-induced hepatotoxicity in rats. Journal of Basic and Clinical Pharmacy, 2010, 1, 247-54.	9.3	14
54	Iridoid glycosides from Barleria trispinosa. Natural Product Research, 2009, 23, 903-908.	1.8	13

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55	Chemical Constituents from the Leaves of Euphorbia ammak Growing in Saudi Arabia. Pharmacognosy Research (discontinued), 2015, 7, 14.	0.6	13
56	Therapeutic potential of russelioside B as anti-arthritic agent in Freund's adjuvant-induced arthritis in rats. Journal of Ethnopharmacology, 2021, 270, 113779.	4.1	13
57	cis-Parthenolid-9-one fromAnvilleagarcinii. Journal of Natural Products, 2000, 63, 1587-1589.	3.0	12
58	Antidepressant-Like Effect of Selected Egyptian Cultivars of Flaxseed Oil on a Rodent Model of Postpartum Depression. Evidence-based Complementary and Alternative Medicine, 2017, 2017, 1-15.	1.2	12
59	Methanolic extracts of a selected Egyptian Vicia faba cultivar mitigate the oxidative/inflammatory burden and afford neuroprotection in a mouse model of Parkinsonâ€™s disease. Inflammopharmacology, 2021, 29, 221-235.	3.9	12
60	New Pregnane Glycosides Isolated from Caralluma hexagona Lavranos as Inhibitors of Î±-Glucosidase, Pancreatic Lipase, and Advanced Glycation End Products Formation. ACS Omega, 2021, 6, 18881-18889.	3.5	12
61	Anti-inflammatory activity of Jasminum grandiflorum L. subsp. floribundum (Oleaceae) in inflammatory bowel disease and arthritis models. Biomedicine and Pharmacotherapy, 2021, 140, 111770.	5.6	12
62	Chemical and Biological Investigation of Ochrosia elliptica Labill. Cultivated â€Žin Egypt. Records of Natural Products, 2017, 11, 552-557.	1.3	12
63	A mechanistic study of Solenostemma argel as anti-rheumatic agent in relation to its metabolite profile using UPLC/HRMS. Journal of Ethnopharmacology, 2021, 265, 113341.	4.1	11
64	Unravelling the anthelmintic bioactives from Jasminum grandiflorum L. subsp. Floribundum adopting in vitro biological assessment. Journal of Ethnopharmacology, 2021, 275, 114083.	4.1	11
65	Iridoids fromTeucrium yemense. Archives of Pharmacal Research, 1998, 21, 785-786.	6.3	10
66	Phenylalkylamine alkaloids fromStapelia hirsuta L.. Natural Product Research, 2006, 20, 710-714.	1.8	10
67	Antiprotozoal activity of major constituents from the bioactive fraction of Verbesina encelioides. Natural Product Research, 2017, 31, 676-680.	1.8	10
68	Preparation of Lignan-Rich Extract from the Aerial Parts of Phyllanthus niruri Using Nonconventional Methods. Molecules, 2020, 25, 1179.	3.8	10
69	Protodioscin and Pseudoprotodioscin From Solanum intrusum. Research Journal of Phytochemistry, 2008, 2, 100-105.	0.1	10
70	Mechanistic Evidence of <scp>Viscum schimperi</scp> (Viscaceae) Antihyperglycemic Activity: From a Bioactivityâ€guided Approach to Comprehensive Metabolite Profiling. Phytotherapy Research, 2015, 29, 1737-1743.	5.8	9
71	A new triterpene and protective effect ofPeriploca somaliensisBrowicz fruits against CCl₄-induced injury on human hepatoma cell line (Huh7). Natural Product Research, 2015, 29, 423-429.	1.8	9
72	Lipoic acid and Calligonum comosumon attenuate aroclor 1260â€induced testicular toxicity in adult rats. Environmental Toxicology, 2017, 32, 1147-1157.	4.0	9

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73	Anti-inflammatory activity of Kleinia odora. European Journal of Integrative Medicine, 2018, 23, 64-69.	1.7	9
74	The protective effect of Sophora japonica on prostatic hypertrophy and inflammation in rat. Inflammopharmacology, 2020, 28, 1525-1536.	3.9	9
75	New sulphide derivative from Ferula rutabensis. Natural Product Research, 2009, 23, 861-865.	1.8	8
76	In vitro anti-hypertensive activity of Jasminum grandiflorum subsp. floribundum (Oleaceae) in relation to its metabolite profile as revealed via UPLC-HRMS analysis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1158, 122334.	2.3	8
77	New pregnane glycosides from Caralluma hexagona Lavranos and their in vitro Î±-glucosidase and pancreatic lipase inhibitory effects. Phytochemistry Letters, 2020, 36, 49-57.	1.2	8
78	New calogenin pregnane glycoside derivative from Huernia saudi- arabica and its Lipase and Î±-Glucosidase Inhibitory Activities. Biomedicine and Pharmacotherapy, 2020, 127, 110143.	5.6	8
79	Evaluation of the Potential Cardioprotective Activity of Some Saudi Plants against Doxorubicin Toxicity. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2012, 67, 0297.	1.4	8
80	Minor Alicyclic Diterpene Acidsfrom Conyza incana. Monatshefte FÃ¼r Chemie, 2001, 132, 1095-1099.	1.8	7
81	Role Phytochemicals Play in the Activation of Antioxidant Response Elements (AREs) and Phase II Enzymes and Their Relation to Cancer Progression and Prevention. Studies in Natural Products Chemistry, 2019, 60, 345-369.	1.8	7
82	In vitro Antioxidant Potential and Antiprotozoal Activity of Methanolic Extract of Mentha longifolia and Origanum syriacum. Journal of Biological Sciences, 2013, 13, 207-216.	0.3	7
83	Inter simple sequence repeat analysis of genetic diversity and relationship in four egyptian flaxseed genotypes. Pharmacognosy Research (discontinued), 2018, 10, 166.	0.6	7
84	Anti-Inflammatory Activity of Selected Plants from Saudi Arabia. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 0, 69c, 1-9.	1.4	7
85	Cytotoxicity, genotoxicity, and gene expression changes induced by methanolic extract of Moringa stenopetala leaf with LC-qTOF-MS metabolic profile. Toxicon, 2021, 203, 40-50.	1.6	7
86	Antihyperglycemic activity of Caralluma quadrangula in streptozotocin-induced diabetic rats. Bulletin of Faculty of Pharmacy, Cairo University, 2017, 55, 269-272.	0.3	6
87	In vitro antiprotozoal activity of some medicinal plants against sleeping sickness, Chagas disease and leishmaniasis. Future Medicinal Chemistry, 2018, 10, 2607-2617.	2.3	6
88	Antiâ€inflammatory and antioxidant effects of Apium graveolens L. extracts mitigate against fatal acetaminophenâ€induced acute liver toxicity. Journal of Food Biochemistry, 2020, 44, e13399.	2.9	6
89	Gastroprotective effect of mucilage fraction from Solenostemma argel via cytoprotection and attenuation of oxidative stress, inflammation and apoptosis. Journal of HerbMed Pharmacology, 2021, 10, 232-240.	0.9	6
90	Kinetic and Thermodynamics studies for Castor Oil Extraction Using Subcritical Water Technology. Journal of Oleo Science, 2016, 65, 477-485.	1.4	5

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91	Antimalarial alkaloid from Hypoestes forskaolii. Experimental Parasitology, 2020, 211, 107851.	1.2	5
92	Evaluation of Some Medicinal Plants in Controlling Culex Pipiens. Journal of the Egyptian Society of Parasitology, 2014, 44, 771-778.	0.2	5
93	Caffeoyl Derivatives from the Seeds of Ipomoea fistulosa. International Journal of Pharmacognosy, 1995, 33, 155-158.	0.2	4
94	Saponin Glycosides from Osteospermum vaillantii. Pharmaceutical Biology, 2001, 39, 440-444.	2.9	4
95	Antioxidant and cardioprotective activity of Stachys schimperi Vatke against doxorubicin-induced cardiotoxicity. Bulletin of Faculty of Pharmacy, Cairo University, 2012, 50, 41-47.	0.3	4
96	Stachaegyptin A-C: Neo- clerodane diterpenes from Stachys aegyptiaca. Phytochemistry Letters, 2017, 21, 151-156.	1.2	4
97	Russelioside B: a Pregnane Glycoside with Pharmacological Potential. Revista Brasileira De Farmacognosia, 2022, 32, 188-200.	1.4	4
98	Arabincosides A-D, pregnane glycosides isolated from Caralluma arabica. Tetrahedron, 2022, 119, 132858.	1.9	4
99	A comparative study on the metabolites profiling of linseed cakes from Egyptian cultivars and antioxidant activity applying mass spectrometry-based analysis and chemometrics. Food Chemistry, 2022, 395, 133524.	8.2	4
100	Antihyperglycemic and antihyperlipidemic effects of the methanol extracts of Cleome ramosissima Parl., Barleria bispinosa (Forssk.) Vahl. and Tribulus macropterus Boiss.. Bulletin of Faculty of Pharmacy, Cairo University, 2014, 52, 1-7.	0.3	3
101	Chemical and biological investigations of Limonium axillare reveal mechanistic evidence for its antidiabetic activity. PLoS ONE, 2021, 16, e0255904.	2.5	3
102	Proanthocyanidins rich extract of Calligonum comosum ameliorates doxorubicin-induced immunosuppression and hepatorenal toxicity. Pharmacognosy Magazine, 2019, 15, 545.	0.6	3
103	Evaluation of the Anti-inflammatory and Antioxidant Activities of Selected Resin Exudates. , 2020, 4, 255-261.		3
104	Cheminformatics Application in the Phytochemical and Biological Study of Eucalyptus globulus L. Bark as a Potential Hepatoprotective Drug. ACS Omega, 2022, 7, 7945-7956.	3.5	3
105	Pregnane glycoside from Huernia saudi-arabica as latent schistosomicidal mediator. Natural Product Research, 2020, 34, 311-316.	1.8	2
106	Biological and Chemical Assessment of Ochrosia elliptica Labill Leaves. Arabian Journal for Science and Engineering, 2021, 46, 5247-5255.	3.0	2
107	Microwave-assisted extraction as an alternative tool for extraction of Stachys aegyptiaca essential oil. Egyptian Pharmaceutical Journal(Egypt), 2017, 16, 98.	0.4	2
108	Evaluation and characterization of the immunomodulatory activity of the protein extract fromCitrullus colocynthisL.. Food and Agricultural Immunology, 2013, 24, 47-57.	1.4	1

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109	Genetic diversity, LC-ESI-MS chemical profile and in vivo antitumor activity of three Egyptian soybean cultivars. Natural Product Research, 2021, 35, 135-139.	1.8	1
110	Chemical constituents from Solanum glabratum Dunal var. sepicula. Planta Medica, 2013, 79, .	1.3	1
111	Effect of Viscum schimperi on advanced glycation endproducts formation. Pakistan Journal of Pharmaceutical Sciences, 2016, 29, 2307-2316.	0.2	1
112	Role of Dietary Supplements in Cardiovascular Diseases. , 2017, , 193-246.		0
113	Comparative Rodenticide Activity of Three Agro Waste Materials in Combat of Rattus norvegicus Under Laboratory Conditions. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 0, , 1.	1.0	0
114	Optimization of linseed cultivation, a promising way to enhance its secoisolariciresinol diglucoside lignan content. International Journal of Research in Pharmaceutical Sciences, 2019, 10, 1698-1710.	0.1	0