Adam M Matkowski

List of Publications by Year
in descending order

94 papers	2,778 citations	236833 25 h-index	197736 49 g-index
99 all docs	99 docs citations	99 times ranked	3769 citing authors

#	Article	IF	Citations
1	Changes in physiological, phytochemical traits and gene expression of two Perovskia species in response to water deficit. Scientia Horticulturae, 2022, 293, 110747.	1.7	8
2	Non-Psychotropic Cannabinoids as Inhibitors of TET1 Protein. Bioorganic Chemistry, 2022, 124, 105793.	2.0	7
3	Bacterial Nanocellulose Fortified with Antimicrobial and Anti-Inflammatory Natural Products from Chelidonium majus Plant Cell Cultures. Materials, 2022, 15, 16.	1.3	6
4	Light Intensity and Temperature Effect on Salvia yangii (B. T. Drew) Metabolic Profile in vitro. Frontiers in Plant Science, 2022, 13, .	1.7	6
5	Chemistry, oxidative stability and bioactivity of oil extracted from Rosa rugosa (Thunb.) seeds by supercritical carbon dioxide. Food Chemistry, 2021, 335, 127649.	4.2	17
6	Iron Complexes of Flavonoids-Antioxidant Capacity and Beyond. International Journal of Molecular Sciences, 2021, 22, 646.	1.8	58
7	Proanthocyanidins and Flavan-3-ols in the Prevention and Treatment of Periodontitisâ€"Immunomodulatory Effects, Animal and Clinical Studies. Nutrients, 2021, 13, 239.	1.7	22
8	Proanthocyanidins and Flavan-3-Ols in the Prevention and Treatment of Periodontitisâ€"Antibacterial Effects. Nutrients, 2021, 13, 165.	1.7	30
9	Caffeoylquinic Acids. , 2021, , 1065-1104.		0
10	Novel Mitochondria-targeted Drugs for Cancer Therapy. Mini-Reviews in Medicinal Chemistry, 2021, 21, 816-832.	1.1	12
11	Seasonal Variations of Rosmarinic Acid and Its Glucoside and Expression of Genes Related to Their Biosynthesis in Two Medicinal and Aromatic Species of Salvia subg. Perovskia. Biology, 2021, 10, 458.	1.3	8
12	Phytochemical Profile and Antioxidant Activities of Coleus amboinicus Lour. Cultivated in Indonesia and Poland. Molecules, 2021, 26, 2915.	1.7	14
13	Reynoutria Rhizomes as a Natural Source of SARS-CoV-2 Mpro Inhibitorsâ€"Molecular Docking and In Vitro Study. Pharmaceuticals, 2021, 14, 742.	1.7	24
14	Antibiofilm and Antimicrobial-Enhancing Activity of Chelidonium majus and Corydalis cheilanthifolia Extracts against Multidrug-Resistant Helicobacter pylori. Pathogens, 2021, 10, 1033.	1.2	16
15	Screening Papaveraceae as Novel Antibiofilm Natural-Based Agents. Molecules, 2021, 26, 4778.	1.7	7
16	Metabolomics and DNA-Based Authentication of Two Traditional Asian Medicinal and Aromatic Species of Salvia subg. Perovskia. Cells, 2021, 10, 112.	1.8	25
17	In Vitro Gingival Wound Healing Activity of Extracts from Reynoutria japonica Houtt Rhizomes. Pharmaceutics, 2021, 13, 1764.	2.0	7
18	Greener Is Better: First Approach for the Use of Natural Deep Eutectic Solvents (NADES) to Extract Antioxidants from the Medicinal Halophyte Polygonum maritimum L.. Molecules, 2021, 26, 6136.	1.7	15

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19	Antiglycoxidative Properties of Extracts and Fractions from Reynoutria Rhizomes. Nutrients, 2021, 13, 4066.	1.7	2
20	Cytotoxic Effect of Vanicosides A and B from Reynoutria sachalinensis against Melanotic and Amelanotic Melanoma Cell Lines and in silico Evaluation for Inhibition of BRAFV600E and MEK1. International Journal of Molecular Sciences, 2020, 21, 4611.	1.8	11
21	Phytochemical Composition and Antimicrobial Activity of Corydalis solida and Pseudofumaria lutea. Molecules, 2020, 25, 3591.	1.7	4
22	Phenylethanoid and iridoid glycosides production in Rehmannia elata N.E.Brown ex Prein. in vitro shoot cultures and their biological activity. Industrial Crops and Products, 2020, 158, 113050.	2.5	9
23	Norditerpenoids with Selective Anti-Cholinesterase Activity from the Roots of Perovskia atriplicifolia Benth.. International Journal of Molecular Sciences, 2020, 21, 4475.	1.8	13
24	Modulatory Effect of Chelidonium majus Extract and Its Alkaloids on LPS-Stimulated Cytokine Secretion in Human Neutrophils. Molecules, 2020, 25, 842.	1.7	19
25	LED illumination and plant growth regulatorsâ€™ effects on growth and phenolic acids accumulation in Moluccella laevis L. in vitro cultures. Acta Physiologiae Plantarum, 2020, 42, 1.	1.0	11
26	Anemarrhenae asphodeloides rhizoma Extract Enriched in Mangiferin Protects PC12 Cells against a Neurotoxic Agent-3-Nitropropionic Acid. International Journal of Molecular Sciences, 2020, 21, 2510.	1.8	22
27	Caffeoylquinic Acids. , 2020, , 1-40.		0
28	The irrigation salinity and harvesting affect the growth, chemical profile and biological activities of Polygonum maritimum L.. Industrial Crops and Products, 2019, 139, 111510.	2.5	14
29	The Activity of Isoquinoline Alkaloids and Extracts from Chelidonium majus against Pathogenic Bacteria and Candida sp.. Toxins, 2019, 11, 406.	1.5	42
30	Dataset on functional and chemical properties of the medicinal halophyte Polygonum maritimum L. under greenhouse cultivation. Data in Brief, 2019, 25, 104357.	0.5	2
31	Age-related variation of polyphenol content and expression of phenylpropanoid biosynthetic genes in Agastache rugosa. Industrial Crops and Products, 2019, 141, 111743.	2.5	14
32	The effect of drought stress on polyphenolic compounds and expression of flavonoid biosynthesis related genes in Achillea pachycephala Rech.f. Phytochemistry, 2019, 162, 90-98.	1.4	172
33	Effect of LED illumination and amino acid supplementation on phenolic compounds profile in Agastache rugosa in vitro cultures. Phytochemistry Letters, 2019, 31, 12-19.	0.6	16
34	Phytochemical Diversity in Rhizomes of Three Reynoutria Species and their Antioxidant Activity Correlations Elucidated by LC-ESI-MS/MS Analysis.. Molecules, 2019, 24, 1136.	1.7	33
35	Selective in vitro and in silico cholinesterase inhibitory activity of isoflavones and stilbenes from Belamcandae chinensis rhizoma. Phytochemistry Letters, 2019, 30, 261-272.	0.6	17
36	Sea knotgrass (Polygonum maritimum L.) as a potential source of innovative industrial products for skincare applications. Industrial Crops and Products, 2019, 128, 391-398.	2.5	21

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37	Chemical Composition of East Asian Invasive Knotweeds, their Cytotoxicity and Antimicrobial Efficacy Against Cariogenic Pathogens: An In-Vitro Study. Medical Science Monitor, 2019, 25, 3279-3287.	0.5	13
38	Assessment of allelopathic potential of Solidago gigantea Aiton on dry weight of Echinochloa crus-galli (L.) Beauv. and Amaranthus retroflexus L.. Journal of Central European Agriculture, 2019, 20, 402-414.	0.3	2
39	Tissue cultures of Gypsophila elegans as means for production of pharmacologically active triterpenoids. Planta Medica, 2019, 85, .	0.7	0
40	Age-related variation in polyphenol content and expression of phenylpropanoid biosynthetic genes in a medicinal and aromatic perennial Agastache rugosa. , 2019, 85, .		0
41	Variation of phenolic compounds and expression of phenylpropanoid biosynthetic genes in two medicinal and aromatic species of Salvia subg. Perovskia. Planta Medica, 2019, 85, .	0.7	0
42	Application of matrix solid-phase dispersion for HPLC analysis of polyphenol profile in 50-years old herbarium specimens of Polygonum aviculare. , 2019, 85, .		0
43	Isolation and Determination of Phenolic Glycosides and Anthraquinones from Rhizomes of Various Reynoutria Species. Planta Medica, 2018, 84, 1118-1126.	0.7	26
44	Comparison of Polyphenol Profile and Antimutagenic and Antioxidant Activities in Two Species Used as Source of Solidaginis herba â€“ Goldenrod. Chemistry and Biodiversity, 2018, 15, e1800023.	1.0	17
45	Effect of long-term administration of mangiferin from Belamcanda chinensis on bone metabolism in ovariectomized rats. Journal of Functional Foods, 2018, 46, 12-18.	1.6	9
46	Proliferative and antioxidant activity ofSymphytum officinaleroot extract. Natural Product Research, 2018, 32, 605-609.	1.0	59
47	In vitro and in silico approaches to appraise Polygonum maritimum L. as a source of innovative products with anti-ageing potential. Industrial Crops and Products, 2018, 111, 391-399.	2.5	26
48	Quaternary alkaloids in Chelidonium majus in vitro cultures. Industrial Crops and Products, 2018, 123, 17-24.	2.5	16
49	Genotype-specific response of Foeniculum vulgare grain yield and essential oil composition to proline treatment under different irrigation conditions. Industrial Crops and Products, 2018, 124, 177-185.	2.5	24
50	Botanical Provenance of Traditional Medicines From Carpathian Mountains at the Ukrainian-Polish Border. Frontiers in Pharmacology, 2018, 9, 295.	1.6	18
51	Greater Celandine's Ups and Downsâ€”21 Centuries of Medicinal Uses of Chelidonium majus From the Viewpoint of Today's Pharmacology. Frontiers in Pharmacology, 2018, 9, 299.	1.6	69
52	Ontogenetic and trans-generational variation of essential oil composition in Agastache rugosa. Industrial Crops and Products, 2017, 97, 612-619.	2.5	27
53	Selective inÂvitro and in silico butyrylcholinesterase inhibitory activity of diterpenes and rosmarinic acid isolated from Perovskia atriplicifolia Benth. and Salvia glutinosa L.. Phytochemistry, 2017, 133, 33-44.	1.4	53
54	Chain length distribution of inulin from dahlia tubers as influenced by the extraction method. International Journal of Food Properties, 2017, 20, S3112-S3122.	1.3	9

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55	Amorpha fruticosa â€“ A Noxious Invasive Alien Plant in Europe or a Medicinal Plant against Metabolic Disease?. Frontiers in Pharmacology, 2017, 8, 333.	1.6	31
56	Analysis of Antioxidant Polyphenols in Loquat Leaves using HPLC-based Activity Profiling. Natural Product Communications, 2017, 12, 1934578X1701200.	0.2	6
57	Inhibition of glycation-induced cytotoxicity, protein glycation, and activity of proteolytic enzymes by extract from Perovskia atriplicifolia Roots. Pharmacognosy Magazine, 2017, 13, 676.	0.3	16
58	Analysis of Antioxidant Polyphenols in Loquat Leaves using HPLC-based Activity Profiling. Natural Product Communications, 2017, 12, 163-166.	0.2	4
59	Inhibition of Advanced Glycation End-Product Formation and Antioxidant Activity by Extracts and Polyphenols from Scutellaria alpina L. and S. altissima L.. Molecules, 2016, 21, 739.	1.7	57
60	Essential oil Composition, Antimicrobial Activity and Anatomical Characteristics of Foeniculum vulgare Mill. Fruits from Different Regions of Iran. Journal of Essential Oil-bearing Plants: JEOP, 2016, 19, 1614-1626.	0.7	13
61	A suicide attempt by intoxication with Taxus baccata leaves and ultra-fast liquid chromatography-electrospray ionization-tandem mass spectrometry, analysis of patient serum and different plant samples: case report. BMC Pharmacology & Toxicology, 2016, 17, 41.	1.0	13
62	Intensive cardiac care in a patient intoxicated with Taxus baccata. Resuscitation, 2016, 106, e25.	1.3	0
63	Callus cultures of Harpagophytum procumbens (Burch.) DC. ex Meisn.; production of secondary metabolites and antioxidant activity. South African Journal of Botany, 2016, 103, 41-48.	1.2	16
64	Characterization of polyphenols in Agastache rugosa leaves and inflorescences by UPLCâ€“qTOFâ€“MS following FCPC separation. Journal of Liquid Chromatography and Related Technologies, 2016, 39, 209-219.	0.5	14
65	NMR and LC-TOF-MS metabolomic analysis reveals inter- and intraspecific variation and osmotic stress response of chemical profile in Perovskia species. Planta Medica, 2016, 81, S1-S381.	0.7	0
66	Isolation and Fast Selective Determination of Nor-abietanoid Diterpenoids from Perovskia atriplicifolia Roots Using LC-ESI-MS/MS with Multiple Reaction Monitoring. Natural Product Communications, 2015, 10, 1934578X1501000.	0.2	10
67	The phytochemical investigation of Agrimonia eupatoria L. and Agrimonia procera Wallr. as valid sources of Agrimoniae herbaâ€"The pharmacopoeial plant material. Journal of Pharmaceutical and Biomedical Analysis, 2015, 114, 272-279.	1.4	24
68	Belamcandae chinensis rhizoma â€“ a review of phytochemistry and bioactivity. FÃ¬toterapÃ¬Ã¢, 2015, 107, 1-14.	1.1	52
69	Antiradical and antioxidant activity of flavones fromScutellariae baicalensis radix. Natural Product Research, 2015, 29, 1567-1570.	1.0	50
70	Isolation and Fast Selective Determination of Nor-abietanoid Diterpenoids from Perovskia atriplicifolia Roots Using LC-ESI-MS/MS with Multiple Reaction Monitoring. Natural Product Communications, 2015, 10, 1149-52.	0.2	6
71	Chemical composition and biological activity of Rubus idaeus shoots â€“ a traditional herbal remedy of Eastern Europe. BMC Complementary and Alternative Medicine, 2014, 14, 480.	3.7	55
72	Phytochemistry and bioactivity of aromatic and medicinal plants from the genus Agastache (Lamiaceae). Phytochemistry Reviews, 2014, 13, 391-416.	3.1	123

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73	Callus induction and plant regeneration in vitro in Actinidia. Acta Societatis Botanicorum Poloniae, 2014, 64, 131-138.	0.8	7
74	Two algorithms of determining the middle point of the shoot apex by surrounding organ primordia positions and their usage for computer measurements of divergence angles. Acta Societatis Botanicorum Poloniae, 2014, 67, 151-159.	0.8	6
75	Computational evaluation on the binding affinity of non-specific lipid-transfer protein-2 with fatty acids. Computers in Biology and Medicine, 2013, 43, 1732-1738.	3.9	10
76	Mangiferin â€“ a Bioactive Xanthonoid, not only from Mango and not just Antioxidant. Mini-Reviews in Medicinal Chemistry, 2013, 13, 439-455.	1.1	15
77	Mangiferin â€“ a Bioactive Xanthonoid, not only from Mango and not just Antioxidant. Mini-Reviews in Medicinal Chemistry, 2013, 13, 439-455.	1.1	49
78	Mangiferin - a bioactive xanthonoid, not only from mango and not just antioxidant. Mini-Reviews in Medicinal Chemistry, 2013, 13, 439-55.	1.1	77
79	Antiplasmodial and Antitrypanosomal Activity of Tanshinone-Type Diterpenoids fromSalvia miltiorrhiza. Planta Medica, 2011, 77, 1594-1596.	0.7	43
80	Micropropagation of Codonopsis Pilosula (Franch.) Nannf by Axillary Shoot Multiplication. Acta Biologica Cracoviensia Series Botanica, 2011, 53, .	0.5	4
81	Influence of plant growth regulators on volatiles produced by in vitro grown shoots of Agastache rugosa (Fischer & C.A.Meyer) O. Kuntze. Plant Cell, Tissue and Organ Culture, 2011, 107, 161-167.	1.2	33
82	Antimutagenic and anti-oxidant activities of isoflavonoids from Belamcanda chinensis (L.) DC. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 696, 148-153.	0.9	50
83	Antioxidant activity of polyphenols from Lycopus lucidus Turcz. Food Chemistry, 2009, 113, 134-138.	4.2	66
84	Antioxidant activity of extracts from leaves and roots of Salvia miltiorrhiza Bunge, S. przewalskii Maxim., and S. verticillata L.. Bioresource Technology, 2008, 99, 7892-7896.	4.8	101
85	Plant in vitro culture for the production of antioxidants â€” A review. Biotechnology Advances, 2008, 26, 548-560.	6.0	344
86	Phenolic acids in fruits of Peucedanum alsaticum-Antioxidant activity. Planta Medica, 2008, 74, .	0.7	0
87	Antioxidant activity of extracts from in vitro cultures of Salvia officinalis L.. Food Chemistry, 2007, 104, 536-541.	4.2	167
88	Antioxidant and free radical scavenging activities of some medicinal plants from the Lamiaceae. FÃ¬toterapÃ¬Â¢, 2006, 77, 346-353.	1.1	148
89	Antimutagenic and antioxidant activity of the extract from Belamcanda chinensis (L.) DC. Acta Poloniae Pharmaceutica, 2006, 63, 213-8.	0.3	3
90	Antimutagenic and antiradical properties of flavones from the roots ofScutellaria baicalensis Georgi. Molecular Nutrition and Food Research, 2004, 48, 9-12.	0.0	36

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91	In vitro isoflavonoid production in callus from different organs of Pueraria lobata (Wild.) Ohwi. Journal of Plant Physiology, 2004, 161, 343-346.	1.6	23
92	Flavonoids and Phenol Carboxylic Acids in the Oriental Medicinal Plant Astragalus membranaceus Acclimated in Poland. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2003, 58, 602-604.	0.6	12
93	The diversity and ontogenetic changes of phyllotaxis in wild-types and two leaf form mutants of Antirrhinum majus L.. Botanical Journal of the Linnean Society, 1999, 131, 235-248.	0.8	3
94	Phylogenetics Study of SalviaL. spp. Collections from the Botanical Garden of Medicinal Plants of Wroclaw Medical University. Biodiversity Information Science and Standards, 0, 3, .	0.0	0