

Anna Szakiel

List of Publications by Year in descending order

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48
papers

1,482
citations

430442

18
h-index

329751

37
g-index

49
all docs

49
docs citations

49
times ranked

1775
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of environmental abiotic factors on the content of saponins in plants. <i>Phytochemistry Reviews</i> , 2011, 10, 471-491.	3.1	252
2	Fruit cuticular waxes as a source of biologically active triterpenoids. <i>Phytochemistry Reviews</i> , 2012, 11, 263-284.	3.1	199
3	The role of sterols in plant response to abiotic stress. <i>Phytochemistry Reviews</i> , 2020, 19, 1525-1538.	3.1	100
4	Changes in the Triterpenoid Content of Cuticular Waxes during Fruit Ripening of Eight Grape (<i>Vitis</i>) Cultivars. <i>Phytochemistry</i> , 2014, 62, 7998-8007.	2.4	86
5	Antibacterial and Antiparasitic Activity of Oleanolic Acid and its Glycosides isolated from Marigold (<i>Calendula officinalis</i>). <i>Planta Medica</i> , 2008, 74, 1709-1715.	0.7	74
6	Comparison of the Triterpenoid Content of Berries and Leaves of Lingonberry <i>Vaccinium vitis-idaea</i> from Finland and Poland. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 4994-5002.	2.4	73
7	Saponins in <i>Calendula officinalis</i> L. – Structure, Biosynthesis, Transport and Biological Activity. <i>Phytochemistry Reviews</i> , 2005, 4, 151-158.	3.1	62
8	Triterpenoid Content of Berries and Leaves of Bilberry <i>Vaccinium myrtillus</i> from Finland and Poland. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 11839-11849.	2.4	60
9	Influence of environmental biotic factors on the content of saponins in plants. <i>Phytochemistry Reviews</i> , 2011, 10, 493-502.	3.1	53
10	Effect of jasmonic acid and chitosan on triterpenoid production in <i>Calendula officinalis</i> hairy root cultures. <i>Phytochemistry Letters</i> , 2019, 31, 5-11.	0.6	44
11	Phytochemical characteristics and potential therapeutic properties of blue honeysuckle <i>Lonicera caerulea</i> L. (Caprifoliaceae). <i>Journal of Herbal Medicine</i> , 2019, 16, 100237.	1.0	33
12	Characterization of triterpenoid profiles and triterpene synthase expression in the leaves of eight <i>Vitis vinifera</i> cultivars grown in the Upper Rhine Valley. <i>Journal of Plant Research</i> , 2016, 129, 499-512.	1.2	29
13	Distribution of triterpene acids and their derivatives in organs of cowberry (<i>Vaccinium vitis-idaea</i> L.) plant.. <i>Acta Biochimica Polonica</i> , 2007, 54, 733-740.	0.3	27
14	Extraction of Triterpenic Acids and Phytosterols from Apple Pomace with Supercritical Carbon Dioxide: Impact of Process Parameters, Modelling of Kinetics, and Scaling-Up Study. <i>Molecules</i> , 2018, 23, 2790.	1.7	26
15	Triterpenoid profile of flower and leaf cuticular waxes of heather <i>Calluna vulgaris</i> . <i>Natural Product Research</i> , 2013, 27, 1404-1407.	1.0	25
16	Various Patterns of Composition and Accumulation of Steroids and Triterpenoids in Cuticular Waxes from Screened Ericaceae and Caprifoliaceae Berries during Fruit Development. <i>Molecules</i> , 2019, 24, 3826.	1.7	25
17	Influence of Selected Abiotic Factors on Triterpenoid Biosynthesis and Saponin Secretion in Marigold (<i>Calendula officinalis</i> L.) in Vitro Hairy Root Cultures. <i>Molecules</i> , 2019, 24, 2907.	1.7	22
18	Isolation and biological activities of lyoniside from rhizomes and stems of <i>Vaccinium myrtillus</i> . <i>Phytochemistry Letters</i> , 2011, 4, 138-143.	0.6	20

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19	Three Types of Elicitors Induce Grapevine Resistance against Downy Mildew via Common and Specific Immune Responses. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 1781-1795.	2.4	19
20	Biosynthesis of oleanolic acid and its glycosides in <i>Calendula officinalis</i> suspension culture. <i>Plant Physiology and Biochemistry</i> , 2003, 41, 271-275.	2.8	18
21	Enhancement of Phytosterol and Triterpenoid Production in Plant Hairy Root Cultures—Simultaneous Stimulation or Competition?. <i>Plants</i> , 2021, 10, 2028.	1.6	18
22	Variations in Triterpenoid Deposition in Cuticular Waxes during Development and Maturation of Selected Fruits of Rosaceae Family. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9762.	1.8	18
23	Triterpenoid profile of fruit and leaf cuticular waxes of edible honeysuckle <i>Lonicera caerulea</i> var. <i>kamtschatica</i> . <i>Acta Societatis Botanicorum Poloniae</i> , 2017, 86, .	0.8	16
24	Effect of Ethylene and Abscisic Acid on Steroid and Triterpenoid Synthesis in <i>Calendula officinalis</i> Hairy Roots and Saponin Release to the Culture Medium. <i>Plants</i> , 2022, 11, 303.	1.6	15
25	Genome-Based Insights into the Production of Carotenoids by Antarctic Bacteria, <i>Planococcus</i> sp. ANT_H30 and <i>Rhodococcus</i> sp. ANT_H53B. <i>Molecules</i> , 2020, 25, 4357.	1.7	13
26	The content of free and esterified triterpenoids of the native marigold (<i>Calendula officinalis</i>) plant and its modifications in in vitro cultures. <i>Phytochemistry Letters</i> , 2015, 11, 410-417.	0.6	12
27	Comparison of steroids and triterpenoids in leaf cuticular waxes of selected Polish and Russian cultivars and genotypes of edible honeysuckle. <i>Phytochemistry Letters</i> , 2019, 30, 238-244.	0.6	12
28	Impact of different elicitors on grapevine leaf metabolism monitored by 1H NMR spectroscopy. <i>Metabolomics</i> , 2019, 15, 67.	1.4	11
29	Distribution of oleanolic acid glycosides in vacuoles and cell walls isolated from protoplasts and cells of <i>Calendula officinalis</i> leaves. <i>Steroids</i> , 1989, 53, 501-511.	0.8	10
30	Comparison of the profiles of non-glycosylated triterpenoids from leaves of plants of selected species of genus <i>Dioscorea</i> . <i>Phytochemistry Letters</i> , 2017, 20, 350-355.	0.6	10
31	Modulation of Steroid and Triterpenoid Metabolism in <i>Calendula officinalis</i> Plants and Hairy Root Cultures Exposed to Cadmium Stress. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5640.	1.8	10
32	The mechanism of oleanolic acid monoglycosides transport into vacuoles isolated from <i>Calendula officinalis</i> leaf protoplasts. <i>Plant Physiology and Biochemistry</i> , 2002, 40, 203-209.	2.8	9
33	Increased synthesis of a new oleanane-type saponin in hairy roots of marigold (<i>Calendula</i>) Tj ETQq1 1 0.784314 ₁₈ rgBT /Overlock 10	1.8	9
34	Distribution of Triterpenoids and Steroids in Developing <i>Rugosa</i> Rose (<i>Rosarugosa</i> Thunb.) Accessory Fruit. <i>Molecules</i> , 2021, 26, 5158.	1.7	9
35	Metabolism of [3-3H]oleanolic acid in <i>Calendula officinalis</i> L. roots. <i>Acta Physiologiae Plantarum</i> , 2003, 25, 311-317.	1.0	8
36	Metabolic Modifications in Terpenoid and Steroid Pathways Triggered by Methyl Jasmonate in <i>Taxus</i> media Hairy Roots. <i>Plants</i> , 2022, 11, 1120.	1.6	8

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37	The metabolism of [^3H]oleanolic acid-3-O-mono-[^{14}C]glucoside in isolated cells from <i>Calendula officinalis</i> leaves. <i>Phytochemistry</i> , 1985, 24, 1713-1715.	1.4	6
38	The restructuring of grape berry waxes by calcium changes the surface microbiota. <i>Food Research International</i> , 2021, 150, 110812.	2.9	6
39	Distribution of triterpene acids and their derivatives in organs of cowberry (<i>Vaccinium vitis-idaea</i> L.) plant. <i>Acta Biochimica Polonica</i> , 2007, 54, 733-40.	0.3	6
40	Application of Priming Strategy for Enhanced Paclitaxel Biosynthesis in <i>Taxus Æ— Media Hairy Root Cultures</i> . <i>Cells</i> , 2022, 11, 2062.	1.8	6
41	GC-MS analysis of steroids and triterpenoids occurring in leaves and tubers of <i>Tamus edulis</i> Lowe. <i>Phytochemistry Letters</i> , 2019, 30, 231-234.	0.6	5
42	Triterpenoid profiles of the leaves of wild and domesticated grapevines. <i>Phytochemistry Letters</i> , 2019, 30, 302-308.	0.6	5
43	The transport of [^3H]oleanolic acid and its monoglycosides to isolated vacuoles of protoplasts from <i>Calendula officinalis</i> leaves. <i>Phytochemistry</i> , 1992, 31, 2993-2997.	1.4	4
44	The metabolism of [^3H]oleanolic acid and its monoglycosides in cytoplasm and vacuole of protoplasts isolated from <i>Calendula officinalis</i> leaves. <i>Phytochemistry</i> , 1991, 30, 3909-3912.	1.4	3
45	<i>Calendula officinalis</i> Triterpenoid Saponins Impact the Immune Recognition of Proteins in Parasitic Nematodes. <i>Pathogens</i> , 2021, 10, 296.	1.2	2
46	Biosynthesis of oleanolic acid glycosides in protoplasts isolated from <i>Calendula officinalis</i> L. roots. <i>Acta Physiologiae Plantarum</i> , 2006, 28, 217-223.	1.0	1
47	Analysis of gypsogenin saponins in homeopathic tinctures. <i>Acta Biochimica Polonica</i> , 2007, 54, 853-6.	0.3	1
48	Modifications of Steroid and Triterpenoid Metabolism Triggered by Abiotic Elicitors in Marigold (<i>Calendula officinalis</i> L.) in Vitro Hairy Root Cultures. , 2020, , .		0