

Agnieszka Szopa

List of Publications by Year in descending order

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110
papers

2,757
citations

172207

29
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214527

47
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112
all docs

112
docs citations

112
times ranked

2277
citing authors

#	ARTICLE	IF	CITATIONS
1	Current knowledge of <i>Schisandra chinensis</i> (Turcz.) Baill. (Chinese magnolia vine) as a medicinal plant species: a review on the bioactive components, pharmacological properties, analytical and biotechnological studies. <i>Phytochemistry Reviews</i> , 2017, 16, 195-218.	3.1	231
2	Citrus limon (Lemon) Phenomenon—A Review of the Chemistry, Pharmacological Properties, Applications in the Modern Pharmaceutical, Food, and Cosmetics Industries, and Biotechnological Studies. <i>Plants</i> , 2020, 9, 119.	1.6	195
3	Chitosan nanoparticles as a promising tool in nanomedicine with particular emphasis on oncological treatment. <i>Cancer Cell International</i> , 2021, 21, 318.	1.8	139
4	Anticancer potential of alkaloids: a key emphasis to colchicine, vinblastine, vincristine, vindesine, vinorelbine and vincamine. <i>Cancer Cell International</i> , 2022, 22, .	1.8	135
5	Paclitaxel: Application in Modern Oncology and Nanomedicine-Based Cancer Therapy. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-24.	1.9	93
6	Significance of <i>Artemisia Vulgaris</i> L. (Common Mugwort) in the History of Medicine and Its Possible Contemporary Applications Substantiated by Phytochemical and Pharmacological Studies. <i>Molecules</i> , 2020, 25, 4415.	1.7	65
7	In Vitro Cultures of <i>Schisandra chinensis</i> (Turcz.) Baill. (Chinese Magnolia Vine)—a Potential Biotechnological Rich Source of Therapeutically Important Phenolic Acids. <i>Applied Biochemistry and Biotechnology</i> , 2012, 166, 1941-1948.	1.4	63
8	Bioactivities of Traditional Medicinal Plants in Alexandria. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-13.	0.5	61
9	Production of biologically active phenolic acids in <i>Aronia melanocarpa</i> (Michx.) Elliott in vitro cultures cultivated on different variants of the Murashige and Skoog medium. <i>Plant Growth Regulation</i> , 2014, 72, 51-58.	1.8	55
10	Comparative analysis of different groups of phenolic compounds in fruit and leaf extracts of <i>Aronia</i> sp.: <i>A. melanocarpa</i> , <i>A. arbutifolia</i> , and <i>A. —prunifolia</i> and their antioxidant activities. <i>European Food Research and Technology</i> , 2017, 243, 1645-1657.	1.6	55
11	The importance of applied light quality on the production of lignans and phenolic acids in <i>Schisandra chinensis</i> (Turcz.) Baill. cultures in vitro. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 127, 115-121.	1.2	54
12	<i>Artemisia absinthium</i> L.—Importance in the History of Medicine, the Latest Advances in Phytochemistry and Therapeutical, Cosmetological and Culinary Uses. <i>Plants</i> , 2020, 9, 1063.	1.6	52
13	Production of bioactive phenolic acids and furanocoumarins in in vitro cultures of <i>Ruta graveolens</i> L. and <i>Ruta graveolens</i> ssp. <i>divaricata</i> (Tenore) Gams. under different light conditions. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 110, 329-336.	1.2	48
14	Biological Activities of Natural Products. <i>Molecules</i> , 2020, 25, 5769.	1.7	47
15	Polyphenol Profile and Pharmaceutical Potential of <i>Quercus</i> spp. Bark Extracts. <i>Plants</i> , 2019, 8, 486.	1.6	46
16	<i>Isatis tinctoria</i> L. (Woad): A Review of Its Botany, Ethnobotanical Uses, Phytochemistry, Biological Activities, and Biotechnological Studies. <i>Plants</i> , 2020, 9, 298.	1.6	46
17	Accumulation of hydroxybenzoic acids and other biologically active phenolic acids in shoot and callus cultures of <i>Aronia melanocarpa</i> (Michx.) Elliott (black chokeberry). <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 113, 323-329.	1.2	45
18	<i>Schisandra</i> lignans production regulated by different bioreactor type. <i>Journal of Biotechnology</i> , 2017, 247, 11-17.	1.9	45

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37	Antioxidant and Biological Activities of <i>Acacia saligna</i> and <i>Lawsonia inermis</i> Natural Populations. <i>Plants</i> , 2020, 9, 908.	1.6	26
38	Effect directed analysis and TLC screening of <i>Schisandra chinensis</i> fruits. <i>Journal of Chromatography A</i> , 2020, 1618, 460942.	1.8	25
39	Saudi <i>Rosmarinus officinalis</i> and <i>Ocimum basilicum</i> L. Polyphenols and Biological Activities. <i>Processes</i> , 2020, 8, 446.	1.3	25
40	<i>Akebia quinata</i> and <i>Akebia trifoliata</i> - a review of phytochemical composition, ethnopharmacological approaches and biological studies. <i>Journal of Ethnopharmacology</i> , 2021, 280, 114486.	2.0	25
41	The Current State of Knowledge on <i>Salvia hispanica</i> and <i>Salviae hispanicae</i> semen (Chia Seeds). <i>Molecules</i> , 2022, 27, 1207.	1.7	25
42	Production of deoxyschizandrin and $\hat{1}^3$ -schizandrin in shoot-differentiating and undifferentiating callus cultures of <i>Schisandra chinensis</i> (Turcz.) Baill. (Chinese magnolia vine). <i>Journal of Biotechnology</i> , 2013, 165, 209-213.	1.9	22
43	Production of schisantherin A and gomisin G in in vitro cultures of <i>Schisandra chinensis</i> . <i>Phytochemistry Letters</i> , 2015, 11, 440-444.	0.6	22
44	Phytochemical and biotechnological studies on <i>Schisandra chinensis</i> cultivar Sadova No. 1 – a high utility medicinal plant. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 5105-5120.	1.7	22
45	Production of Verbascoside, Isoverbascoside and Phenolic Acids in Callus, Suspension, and Bioreactor Cultures of <i>Verbena officinalis</i> and Biological Properties of Biomass Extracts. <i>Molecules</i> , 2020, 25, 5609.	1.7	21
46	The Effect of Organic, Inorganic Fertilizers and Their Combinations on Fruit Quality Parameters in Strawberry. <i>Horticulturae</i> , 2021, 7, 354.	1.2	21
47	<i>Illicium verum</i> (Star Anise) and Trans-Anethole as Valuable Raw Materials for Medicinal and Cosmetic Applications. <i>Molecules</i> , 2022, 27, 650.	1.7	21
48	Phenolic acid and flavonoid production in agar, agitated and bioreactor-grown microshoot cultures of <i>Schisandra chinensis</i> cv. Sadova No. 1 – a valuable medicinal plant. <i>Journal of Biotechnology</i> , 2019, 305, 61-70.	1.9	20
49	Antiproliferative, Antimicrobial, and Antifungal Activities of Polyphenol Extracts from <i>Ferocactus</i> Species. <i>Processes</i> , 2020, 8, 138.	1.3	20
50	Comparative analysis of phenolic acids and flavonoids in shoot cultures of <i>Eryngium alpinum</i> L.: an endangered and protected species with medicinal value. <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 139, 167-175.	1.2	18
51	<i>Mammillaria</i> Species – Polyphenols Studies and Anti-Cancer, Anti-Oxidant, and Anti-Bacterial Activities. <i>Molecules</i> , 2020, 25, 131.	1.7	18
52	The Evaluation of Phenolic Acids and Flavonoids Content and Antiprotozoal Activity of <i>Eryngium</i> Species Biomass Produced by Biotechnological Methods. <i>Molecules</i> , 2022, 27, 363.	1.7	18
53	Polyphenol Content and Biological Activities of <i>Ruta graveolens</i> L. and <i>Artemisia abrotanum</i> L. in Northern Saudi Arabia. <i>Processes</i> , 2020, 8, 531.	1.3	15
54	<i>Schisandra rubriflora</i> Plant Material and In Vitro Microshoot Cultures as Rich Sources of Natural Phenolic Antioxidants. <i>Antioxidants</i> , 2020, 9, 488.	2.2	15

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55	High production of bioactive depsides in shoot and callus cultures of <i>Aronia arbutifolia</i> and <i>Aronia prunifolia</i> . <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	14
56	Polyphenols of <i>Frangula alnus</i> and <i>Peganum harmala</i> Leaves and Associated Biological Activities. <i>Plants</i> , 2020, 9, 1086.	1.6	13
57	Agitated shoot cultures of <i>Aronia arbutifolia</i> and <i>Aronia prunifolia</i> : biotechnological studies on the accumulation of phenolic compounds and biotransformation capability. <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 134, 467-479.	1.2	12
58	Bioaccumulation of selected macro- and microelements and their impact on antioxidant properties and accumulation of glucosinolates and phenolic acids in in vitro cultures of <i>Nasturtium officinale</i> (watercress) microshoots. <i>Food Chemistry</i> , 2019, 300, 125184.	4.2	12
59	Phytochemical and Biological Activity Studies on <i>Nasturtium officinale</i> (Watercress) Microshoot Cultures Grown in RITA® Temporary Immersion Systems. <i>Molecules</i> , 2020, 25, 5257.	1.7	12
60	<i>Schisandra henryi</i> C. B. Clarke in vitro cultures: a promising tool for the production of lignans and phenolic compounds. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 143, 45-60.	1.2	11
61	In Vitro Cultures of Some Medicinal Plant Species (<i>Cistus incanus</i> , <i>Verbena officinalis</i> , <i>Scutellaria</i>) Tj ETQq1 1 0.784314 rgBT /Overlo CUPRAC and QUENCHER-CUPRAC Assays. <i>Plants</i> , 2021, 10, 454.	1.6	11
62	The influence of different wavelengths of LED light on the production of glucosinolates and phenolic compounds and the antioxidant potential in in vitro cultures of <i>Nasturtium officinale</i> (watercress). <i>Plant Cell, Tissue and Organ Culture</i> , 2022, 149, 113-122.	1.2	11
63	<i>Malus baccata</i> var. <i>gracilis</i> and <i>Malus toringoides</i> Bark Polyphenol Studies and Antioxidant, Antimicrobial and Anticancer Activities. <i>Processes</i> , 2020, 8, 283.	1.3	10
64	Characteristics of bakuchiol - the compound with high biological activity and the main source of its acquisition - <i>Cullen corylifolium</i> (L.) Medik. <i>Natural Product Research</i> , 2021, 35, 5828-5842.	1.0	9
65	Impacts of elicitors on metabolite production and on antioxidant potential and tyrosinase inhibition in watercress microshoot cultures. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 619-633.	1.7	9
66	Biological Activities of Natural Products II. <i>Molecules</i> , 2022, 27, 1519.	1.7	9
67	The effect of feeding culture media with biogenetic precursors on high production of depsides in agitated shoot cultures of black and red aronias. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 142, 379-399.	1.2	8
68	<i>Artemisia abrotanum</i> L. (Southern Wormwood) History, Current Knowledge on the Chemistry, Biological Activity, Traditional Use and Possible New Pharmaceutical and Cosmetological Applications. <i>Molecules</i> , 2021, 26, 2503.	1.7	8
69	Precursor-Boosted Production of Metabolites in <i>Nasturtium officinale</i> Microshoots Grown in Platform Bioreactors, and Antioxidant and Antimicrobial Activities of Biomass Extracts. <i>Molecules</i> , 2021, 26, 4660.	1.7	8
70	BIOTRANSFORMATION OF HYDROQUINONE AND 4-HYDROXYBENZOIC ACID IN <i>Schisandra chinensis</i> (CHINESE MAGNOLIA VINE) in vitro CULTURES. <i>Acta Scientiarum Polonorum, Hortorum Cultus</i> , 2017, 16, 57-66.	0.3	8
71	POT MARIGOLD (<i>Calendula officinalis</i> L.) A POSITION IN CLASSICAL PHYTOTHERAPY AND NEWLY DOCUMENTED ACTIVITIES. <i>Acta Scientiarum Polonorum, Hortorum Cultus</i> , 2020, 19, 47-61.	0.3	8
72	In vitro shoot cultures of pink rock-rose (<i>Cistus incanus</i> L.) as a potential source of phenolic compounds. <i>Acta Societatis Botanicorum Poloniae</i> , 2017, 86, .	0.8	8

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73	The Influence of <i>Nasturtium officinale</i> R. Br. Agar and Agitated Microshoot Culture Media on Glucosinolate and Phenolic Acid Production, and Antioxidant Activity. <i>Biomolecules</i> , 2020, 10, 1216.	1.8	7
74	Brief Review of Endometriosis and the Role of Trace Elements. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11098.	1.8	7
75	Arbutin production via biotransformation of hydroquinone in in vitro cultures of <i>Aronia melanocarpa</i> (Michx.) Elliott. <i>Acta Biochimica Polonica</i> , 2013, 60, 865-70.	0.3	7
76	Morphological and Biochemical Diversity in Fruits of Unsprayed <i>Rosa canina</i> and <i>Rosa dumalis</i> Ecotypes Found in Different Agroecological Conditions. <i>Sustainability</i> , 2021, 13, 8060.	1.6	6
77	Maintaining the Quality and Storage Life of Button Mushrooms (<i>Agaricus bisporus</i>) with Gum, Agar, Sodium Alginate, Egg White Protein, and Lecithin Coating. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 614.	1.5	6
78	Bioreactor-Grown Shoot Cultures for the Secondary Metabolite Production. <i>Reference Series in Phytochemistry</i> , 2020, , 1-62.	0.2	6
79	Response of physiological parameters in <i>Dionaea muscipula</i> J. Ellis teratomas transformed with rolB oncogene. <i>BMC Plant Biology</i> , 2021, 21, 564.	1.6	6
80	Analysis of 5-Methyltryptamine, Tryptophan, 5-Hydroxy-Tryptophan, and Melatonin in the Bulbs of Garlic by Thin-Layer Chromatographic Method Coupled with Densitometric Detection. <i>Journal of Planar Chromatography - Modern TLC</i> , 2014, 27, 210-216.	0.6	5
81	Accumulation of volatile constituents in agar and bioreactor shoot cultures of <i>Verbena officinalis</i> L.. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 144, 671-679.	1.2	5
82	Arbutin production via biotransformation of hydroquinone in in vitro cultures of <i>Aronia melanocarpa</i> (Michx.) Elliott.. <i>Acta Biochimica Polonica</i> , 2013, 60, .	0.3	5
83	Phenylpropanoid Glycoside and Phenolic Acid Profiles and Biological Activities of Biomass Extracts from Different Types of <i>Verbena officinalis</i> Microshoot Cultures and Soil-Grown Plant. <i>Antioxidants</i> , 2022, 11, 409.	2.2	5
84	<i>Schisandra rubriflora</i> Fruit and Leaves as Promising New Materials of High Biological Potential: Lignan Profiling and Effect-Directed Analysis. <i>Molecules</i> , 2022, 27, 2116.	1.7	5
85	<i>Anethum graveolens</i> L. In Vitro Cultures – a Potential Source of Bioactive Metabolites, Phenolic Acids and Furanocoumarins. <i>Acta Biologica Cracoviensia Series Botanica</i> , 2015, 57, 29-37.	0.5	4
86	Successful Cultivation and Utilization of <i>Aronia melanocarpa</i> (Michx.) Elliott (Black Chokeberry), a Species of North-American Origin, in Poland and the Biosynthetic Potential of Cells from In Vitro Cultures. <i>Sustainable Development and Biodiversity</i> , 2021, , 69-111.	1.4	4
87	Bioreactor-Grown Shoot Cultures for the Secondary Metabolite Production. <i>Reference Series in Phytochemistry</i> , 2021, , 187-247.	0.2	4
88	Chemical composition, biological activity and utilization of chia seeds (<i>Salviae hispanicae semen</i>). <i>Farmacja Polska</i> , 2021, 77, 651-661.	0.1	4
89	Different Types of In Vitro Cultures of <i>Schisandra chinensis</i> and Its Cultivar (<i>S. chinensis</i> cv. Sadova): A Rich Potential Source of Specific Lignans and Phenolic Compounds. <i>Reference Series in Phytochemistry</i> , 2021, , 309-336.	0.2	3
90	<i>Werbena lekarska</i> (<i>Verbena officinalis</i> L.) – charakterystyka botaniczna, skłÅad chemiczny, znaczenie lecznicze, badania aktywnoÅci biologicznej oraz badania biotechnologiczne. <i>PostÅ™py Fitoterapii</i> , 2018, 19, .	0.0	3

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91	Biochemical and Morphological Characteristics of Some Macrofungi Grown Naturally. Journal of Fungi (Basel, Switzerland), 2021, 7, 851.	1.5	3
92	Schisandra chinensis and Schisandra sphenanthera – From Traditional Far Eastern Medicine to International Utilization. Sustainable Development and Biodiversity, 2021, , 179-227.	1.4	2
93	Different Types of In Vitro Cultures of Schisandra chinensis and Its Cultivar (S. chinensis cv. Sadova): A Rich Potential Source of Specific Lignans and Phenolic Compounds. Reference Series in Phytochemistry, 2019, , 1-28.	0.2	2
94	High Production of Depsides and Other Phenolic Acids in Different Types of Shoot Cultures of Three Aronias: Aronia melanocarpa, Aronia arbutifolia, Aronia – Prunifolia. Reference Series in Phytochemistry, 2021, , 337-364.	0.2	2
95	Ekologia, skąd chemiczny, działy, anie prozdrowotne oraz badania biotechnologiczne aronii czarnoowocowej (Aronia melanocarpa (Michx.) Elliott), aronii czerwonej (Aronia arbutifolia (L.) Pers.) i aronii żółtawej (Aronia – prunifolia (Marsh.) Rehd.). Postępy Fitoterapii, 2017, 18, .	0.0	2
96	Cultures of Medicinal Plants In Vitro as a Potential Rich Source of Antioxidants. Reference Series in Phytochemistry, 2021, , 1-44.	0.2	1
97	Effect of Elicitation with (+)-Usnic Acid on Accumulation of Phenolic Acids and Flavonoids in Agitated Microshoots of Eryngium alpinum L. Molecules, 2021, 26, 5532.	1.7	1
98	High Production of Depsides and Other Phenolic Acids in Different Types of Shoot Cultures of Three Aronias: Aronia Melanocarpa, Aronia Arbutifolia, Aronia – Prunifolia. Reference Series in Phytochemistry, 2019, , 1-29.	0.2	1
99	Nowe surowce roślinne w Farmakopei Europejskiej. Cz. 1. Gatunki rodzaju Bupleurum (przewierciec), – nowo odkryty surowiec saponinowy. Postępy Fitoterapii, 2018, 19, .	0.0	0
100	Nowe surowce roślinne w Farmakopei Europejskiej. Cz. 2. Rozwój wielokwiatowy (Platycodon) Tj ETQq 0 0 0 rgBT / Overlock 10 Tf 50 3	0.0	0
101	Nowe surowce roślinne w Farmakopei Europejskiej. Cz. 3. Ligusticum chuanxiong (Podagrycznik chiński) – nowo odkryty surowiec olejkowy. Postępy Fitoterapii, 2019, 20, .	0.0	0
102	Nowe surowce roślinne w Farmakopei Europejskiej. Cz. 4. Houttuynia cordata Thunb. (pstróżka) Tj ETQq 0 0 0 rgBT / Overlock	0.0	0
103	Nowe surowce roślinne w Farmakopei Europejskiej. Cz. 5. Paeonia – suffruticosa (piwonia drzewiasta) – nowo odkryty surowiec terpenoidowo-fenolowy. Postępy Fitoterapii, 2019, 20, .	0.0	0
104	Nowe surowce roślinne w Farmakopei Europejskiej. Cz. 7. Ilex paraguariensis A. St.-Hil. (ostrokrzew) Tj ETQq 0 0 0 rgBT / Overlock	0.0	0
105	Different Types of In Vitro Cultures of Schisandra chinensis and Its Cultivar (S. chinensis cv. Sadova): A Rich Potential Source of Specific Lignans and Phenolic Compounds. Reference Series in Phytochemistry, 2020, , 1-28.	0.2	0
106	Nowe surowce roślinne w Farmakopei Europejskiej. Cz. 6. Paullinia cupana (P. guarana) – nowo odkryty surowiec alkaloidowy. Postępy Fitoterapii, 2020, 21, .	0.0	0
107	Nowe surowce roślinne w Farmakopei Europejskiej. Cz. 8. Camellia sinensis (L.) Kuntze (Herbata chińska) – nowo odkryty surowiec katechinowo-alkaloidowy. Postępy Fitoterapii, 2020, 21, .	0.0	0
108	Achyranthes bidentata (ox knee) - botanical, ecological, phytochemical characteristics and use in medicine. Farmacja Polska, 2021, 77, 717-732.	0.1	0

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109	Cultures of Medicinal Plants In Vitro as a Potential Rich Source of Antioxidants. Reference Series in Phytochemistry, 2022, , 267-309.	0.2	0
110	The use of star anise (<i>Illicium verum</i>) and trans-anethole in cosmetology. Farmacja Polska, 2022, 78, 219-231.	0.1	0