

Oksana V Sytar

List of Publications by Year in descending order

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79
papers

4,606
citations

168829

31
h-index

129628

63
g-index

81
all docs

81
docs citations

81
times ranked

5846
citing authors

#	ARTICLE	IF	CITATIONS
1	The anatomical, morphological features, and biological activity of <i>Scilla siberica</i> subsp. <i>armena</i> (Grossh.) Mordak (Asparagaceae). <i>Protoplasma</i> , 2023, 260, 371-389.	1.0	1
2	Hyssopus Essential Oil: An Update of Its Phytochemistry, Biological Activities, and Safety Profile. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-10.	1.9	21
3	Therapeutic Applications of Curcumin in Diabetes: A Review and Perspective. <i>BioMed Research International</i> , 2022, 2022, 1-14.	0.9	38
4	Anatomical and Phytochemical Characteristics of Different Parts of <i>Hypericum scabrum</i> L. Extracts, Essential Oils, and Their Antimicrobial Potential. <i>Molecules</i> , 2022, 27, 1228.	1.7	10
5	Special Issue "Bioactive Compounds from Natural Sources (2020, 2021)". <i>Molecules</i> , 2022, 27, 1929.	1.7	4
6	Physiological and molecular mechanisms of metal accumulation in hyperaccumulator plants. <i>Physiologia Plantarum</i> , 2021, 173, 148-166.	2.6	60
7	Determination of natural phenolic compounds of <i>Ferula longipedunculata</i> PeÅŸmen and assessment their antioxidant and anticholinesterase potentials. <i>Natural Product Research</i> , 2021, 35, 1654-1656.	1.0	6
8	COVID-19 Prophylaxis Efforts Based on Natural Antiviral Plant Extracts and Their Compounds. <i>Molecules</i> , 2021, 26, 727.	1.7	42
9	Implications of Fagopyrin Formation In Vitro by UV Spectroscopic Analysis. <i>Molecules</i> , 2021, 26, 2013.	1.7	7
10	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
11	A Brief Overview of Potential Treatments for Viral Diseases Using Natural Plant Compounds: The Case of SARS-Cov. <i>Molecules</i> , 2021, 26, 3868.	1.7	19
12	Salinity Stress in Wheat (<i>Triticum aestivum</i> L.) in the Changing Climate: Adaptation and Management Strategies. <i>Frontiers in Agronomy</i> , 2021, 3, .	1.5	117
13	Genistein: An Integrative Overview of Its Mode of Action, Pharmacological Properties, and Health Benefits. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-36.	1.9	104
14	The Effects of Photosensitizing Dyes Fagopyrin and Hypericin on Planktonic Growth and Multicellular Life in Budding Yeast. <i>Molecules</i> , 2021, 26, 4708.	1.7	7
15	Natural Coumarins: Exploring the Pharmacological Complexity and Underlying Molecular Mechanisms. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-19.	1.9	59
16	Safety Profile, In Vitro Anti-Inflammatory Activity, and In Vivo Antiulcerogenic Potential of Root Barks from <i>Annona senegalensis</i> Pers. (Annonaceae). <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-12.	0.5	9
17	Resveratrol-Based Nanoformulations as an Emerging Therapeutic Strategy for Cancer. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 649395.	1.6	34
18	Nano-Derived Therapeutic Formulations with Curcumin in Inflammation-Related Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-15.	1.9	37

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19	Paclitaxel: Application in Modern Oncology and Nanomedicine-Based Cancer Therapy. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-24.	1.9	93
20	The natural phenolic compounds and their antioxidant and anticholinesterase potential of herb <i>Leiotulus dasyanthus</i> (K. Koch) Pimenov & Ostr.. <i>Natural Product Research</i> , 2020, 34, 1303-1305.	1.0	15
21	Potential of Karrikins as Novel Plant Growth Regulators in Agriculture. <i>Plants</i> , 2020, 9, 43.	1.6	24
22	Identification of non-alkaloid natural compounds of <i>Angelica purpurascens</i> (Avicenna-Lall.) Gilli. (Apiaceae) with cholinesterase and carbonic anhydrase inhibition potential. <i>Saudi Pharmaceutical Journal</i> , 2020, 28, 1-14.	1.2	38
23	Plasticity of photosynthetic processes and the accumulation of secondary metabolites in plants in response to monochromatic light environments: A review. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148131.	0.5	124
24	Consequences of Salinity Stress on the Quality of Crops and Its Mitigation Strategies for Sustainable Crop Production: An Outlook of Arid and Semi-arid Regions. , 2020, , 503-533.		31
25	In vivo bioactivity assessment on <i>Epilobium</i> species: A particular focus on <i>Epilobium angustifolium</i> and its components on enzymes connected with the healing process. <i>Journal of Ethnopharmacology</i> , 2020, 262, 113207.	2.0	34
26	Myricetin bioactive effects: moving from preclinical evidence to potential clinical applications. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 241.	1.2	118
27	Chlorophyll Fluorescence Kinetics May Be Useful to Identify Early Drought and Irrigation Effects on Photosynthetic Apparatus in Field-Grown Wheat. <i>Agronomy</i> , 2020, 10, 1275.	1.3	19
28	A caryophyllene oxide and other potential anticholinesterase and anticancer agent in <i>Salvia verticillata</i> subsp. <i>amasiaca</i> (Frey & Bornm.) Bornm. (Lamiaceae). <i>Journal of Essential Oil Research</i> , 2020, 32, 512-525.	1.3	30
29	Therapeutic Potential of Quercetin: New Insights and Perspectives for Human Health. <i>ACS Omega</i> , 2020, 5, 11849-11872.	1.6	335
30	Effect of photosensitisers on growth and morphology of <i>Phytophthora citrophthora</i> coupled with leaf bioassays in pear seedlings. <i>Plant Protection Science</i> , 2020, 56, 74-82.	0.7	15
31	Chlorophyll-depleted wheat mutants are disturbed in photosynthetic electron flow regulation but can retain an acclimation ability to a fluctuating light regime. <i>Environmental and Experimental Botany</i> , 2020, 178, 104156.	2.0	30
32	Assessment of hyperspectral indicators related to the content of phenolic compounds and multispectral fluorescence records in chicory leaves exposed to various light environments. <i>Plant Physiology and Biochemistry</i> , 2020, 154, 429-438.	2.8	18
33	The Therapeutic Potential of the Labdane Diterpenoid Forskolin. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4089.	1.3	15
34	Precultivation of young seedlings under different color shades modifies the accumulation of phenolic compounds in <i>Cichorium</i> leaves in later growth phases. <i>Environmental and Experimental Botany</i> , 2019, 165, 30-38.	2.0	24
35	Evaluation of Hyperspectral Reflectance Parameters to Assess the Leaf Water Content in Soybean. <i>Water (Switzerland)</i> , 2019, 11, 443.	1.2	55
36	Accumulation of amino acids and flavonoids in hairy root cultures of common buckwheat (<i>Fagopyrum esculentum</i>). <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 787-797.	1.4	17

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37	Antioxidant and anticholinesterase potential of <i>Ferulago cassia</i> with further bio-guided isolation of active coumarin constituents. <i>South African Journal of Botany</i> , 2019, 121, 536-542.	1.2	33
38	Molecular Docking Studies of Coumarins Isolated from Extracts and Essential Oils of <i>Zosima absinthifolia</i> Link as Potential Inhibitors for Alzheimer's Disease. <i>Molecules</i> , 2019, 24, 722.	1.7	42
39	Phytohormone Priming: Regulator for Heavy Metal Stress in Plants. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 739-752.	2.8	282
40	Comparative analysis of bioactive phenolic compounds composition from 26 medicinal plants. <i>Saudi Journal of Biological Sciences</i> , 2018, 25, 631-641.	1.8	129
41	Strategies to Mitigate the Salt Stress Effects on Photosynthetic Apparatus and Productivity of Crop Plants. , 2018, , 85-136.		52
42	Influence of plant origin natural \pm -pinene with different enantiomeric composition on bacteria, yeasts and fungi. <i>FÄ-toterapÄ-Äç</i> , 2018, 127, 20-24.	1.1	41
43	Perspectives in High-Throughput Phenotyping of Qualitative Traits at the Whole-Plant Level. , 2018, , 213-243.		1
44	Bioactive Phytochemicals and Antioxidant Properties of the Grains and Sprouts of Colored Wheat Genotypes. <i>Molecules</i> , 2018, 23, 2282.	1.7	48
45	Shift in accumulation of flavonoids and phenolic acids in lettuce attributable to changes in ultraviolet radiation and temperature. <i>Scientia Horticulturae</i> , 2018, 239, 193-204.	1.7	73
46	Bioactive Compounds and Their Biofunctional Properties of Different Buckwheat Germplasm for Food Processing. , 2018, , 191-204.		10
47	The Involvement of Different Secondary Metabolites in Salinity Tolerance of Crops. , 2018, , 21-48.		33
48	Anthocyanins of Coloured Wheat Genotypes in Specific Response to SalStress. <i>Molecules</i> , 2018, 23, 1518.	1.7	55
49	Lettuce flavonoids screening and phenotyping by chlorophyll fluorescence excitation ratio. <i>Planta</i> , 2017, 245, 1215-1229.	1.6	43
50	Applying hyperspectral imaging to explore natural plant diversity towards improving salt stress tolerance. <i>Science of the Total Environment</i> , 2017, 578, 90-99.	3.9	86
51	Impact of Metal and Metal Oxide Nanoparticles on Plant: A Critical Review. <i>Frontiers in Chemistry</i> , 2017, 5, 78.	1.8	512
52	Nondestructive detection and biochemical quantification of buckwheat leaves using visible (VIS) and near-infrared (NIR) hyperspectral reflectance imaging. <i>Journal of Central European Agriculture</i> , 2017, 18, 864-878.	0.3	12
53	Remodeling of the composition of the membrane lipids of buckwheat plants (<i>Fagopyrum esculentum</i>) Tj ETQq1 1 0.784314 rgBT(C) solubilizing microorganisms. <i>Journal of Central European Agriculture</i> , 2017, 18, 879-888.	0.3	1
54	Antifungal properties of hypericin, hypericin tetrasulphonic acid and fagopyrin on pathogenic fungi and spoilage yeasts. <i>Pharmaceutical Biology</i> , 2016, 54, 3121-3125.	1.3	33

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55	Noninvasive Methods to Support Metabolomic Studies Targeted at Plant Phenolics for Food and Medicinal Use. , 2016, , 407-443.		3
56	Osmotic Adjustment and Plant Adaptation to Drought Stress. , 2016, , 105-143.		38
57	Plants Used for Biomonitoring and Phytoremediation of Trace Elements in Soil and Water. , 2016, , 361-384.		22
58	Production of Biodiesel Feedstock from the Trace Element Contaminated Lands in Ukraine. , 2016, , 3-28.		5
59	Risk Assessment of Urban Lake Water Quality Based on in-situ Cyanobacterial and Total Chlorophyll-a Monitoring. Polish Journal of Environmental Studies, 2016, 25, 655-661.	0.6	14
60	The Contribution of Buckwheat Genetic Resources to Health and Dietary Diversity. Current Genomics, 2016, 17, 193-206.	0.7	44
61	The effect of growth conditions on flavonols and anthocyanins accumulation in green and red lettuce. Journal of Central European Agriculture, 2016, 17, 986-997.	0.3	11
62	Antidiarrheal and antimicrobial profiles extracts of the leaves from <i>Trichilia emetica</i> Vahl. (Meliaceae). Asian Pacific Journal of Tropical Biomedicine, 2015, 5, 242-248.	0.5	26
63	The application of multiplex fluorimetric sensor for the analysis of flavonoids content in the medicinal herbs family Asteraceae, Lamiaceae, Rosaceae. Biological Research, 2015, 48, 5.	1.5	24
64	Low PSI content limits the photoprotection of PSI and PSII in early growth stages of chlorophyll b-deficient wheat mutant lines. Photosynthesis Research, 2015, 125, 151-166.	1.6	186
65	Phenolic acids in the inflorescences of different varieties of buckwheat and their antioxidant activity. Journal of King Saud University - Science, 2015, 27, 136-142.	1.6	43
66	Repetitive light pulse-induced photoinhibition of photosystem I severely affects CO ₂ assimilation and photoprotection in wheat leaves. Photosynthesis Research, 2015, 126, 449-463.	1.6	186
67	Novel resistance mechanism of barley chlorina f104 antenna mutant against photoinhibition: possible role of new identified chloroplastic cpNrp protein. Theoretical and Experimental Plant Physiology, 2015, 27, 75-85.	1.1	3
68	ANTOXIDANT ACTIVITY AND PHENOLICS COMPOSITION IN STEVIA REBAUDIANA PLANTS OF DIFFERENT ORGIN. Journal of Microbiology, Biotechnology and Food Sciences, 2015, 5, 221-224.	0.4	6
69	Free Radicals Scavenging Capacity, Antidiabetic and Antihypertensive Activities of Flavonoid-Rich Fractions from Leaves of <i>Trichilia emetica</i> and <i>Opilia amentacea</i> in an Animal Model of Type 2 Diabetes Mellitus. Evidence-based Complementary and Alternative Medicine, 2014, 2014, 1-13.	0.5	27
70	Anthocyaninâ€™s as marker for selection of buckwheat plants with high rutin content. Gesunde Pflanzen, 2014, 66, 165-169.	1.7	25
71	Effect of chlorocholine chlorid on phenolic acids accumulation and polyphenols formation of buckwheat plants. Biological Research, 2014, 47, 19.	1.5	19
72	Anti-nociceptive properties in rodents and the possibility of using polyphenol-rich fractions from <i>sida urens</i> L. (Malvaceae) against of dental caries bacteria. Annals of Clinical Microbiology and Antimicrobials, 2013, 12, 14.	1.7	10

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73	Possible ways of fagopyrin biosynthesis and production in buckwheat plants. <i>Fagopyrum esculentum</i> , 2013, 84, 72-79.	1.1	14
74	Heavy metal-induced oxidative damage, defense reactions, and detoxification mechanisms in plants. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 985-999.	1.0	448
75	Foliar Applied Nickel on Buckwheat (<i>Fagopyrum esculentum</i>) Induced Phenolic Compounds as Potential Antioxidants. <i>Clean - Soil, Air, Water</i> , 2013, 41, 1129-1137.	0.7	30
76	Effects of brassinosteroid on the induction of physiological changes in <i>Helianthus annuus</i> L. under copper stress. <i>Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis</i> , 2013, 61, 623-629.	0.2	16
77	Lead toxicity, defense strategies and associated indicative biomarkers in <i>Talinum triangulare</i> grown hydroponically. <i>Chemosphere</i> , 2012, 89, 1056-1065.	4.2	149
78	Consequences and Mitigation Strategies of Heat Stress for Sustainability of Soybean (<i>Glycine max</i> L.)	1.4	10
79	Maize Adaptability to Heat Stress under Changing Climate.		7