

Duangjai Tungmunnithum

List of Publications by Year in descending order

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papers

2,211
citations

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all docs

59
docs citations

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times ranked

2483
citing authors

#	ARTICLE	IF	CITATIONS
1	Flavonoids and Other Phenolic Compounds from Medicinal Plants for Pharmaceutical and Medical Aspects: An Overview. <i>Medicines</i> (Basel, Switzerland), 2018, 5, 93.	0.7	972
2	The current trends in the green syntheses of titanium oxide nanoparticles and their applications. <i>Green Chemistry Letters and Reviews</i> , 2018, 11, 492-502.	2.1	129
3	Plant Polyphenols, More than Just Simple Natural Antioxidants: Oxidative Stress, Aging and Age-Related Diseases. <i>Medicines</i> (Basel, Switzerland), 2020, 7, 26.	0.7	123
4	Differential Production of Phenylpropanoid Metabolites in Callus Cultures of <i>Ocimum basilicum</i> L. with Distinct <i>In Vitro</i> Antioxidant Activities and <i>In Vivo</i> Protective Effects against UV stress. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1847-1859.	2.4	78
5	An Overview of Bioactive Flavonoids from Citrus Fruits. <i>Applied Sciences</i> (Switzerland), 2022, 12, 29.	1.3	56
6	Effect of Ultraviolet-C Radiation and Melatonin Stress on Biosynthesis of Antioxidant and Antidiabetic Metabolites Produced in <i>In Vitro</i> Callus Cultures of <i>Lepidium sativum</i> L.. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1787.	1.8	43
7	Flavonoids from <i>Nelumbo nucifera</i> Gaertn., a Medicinal Plant: Uses in Traditional Medicine, Phytochemistry and Pharmacological Activities. <i>Medicines</i> (Basel, Switzerland), 2018, 5, 127.	0.7	41
8	Insight into the Influence of Cultivar Type, Cultivation Year, and Site on the Lignans and Related Phenolic Profiles, and the Health-Promoting Antioxidant Potential of Flax (<i>Linum usitatissimum</i> L.) Seeds. <i>Molecules</i> , 2018, 23, 2636.	1.7	40
9	Lights triggered differential accumulation of antioxidant and antidiabetic secondary metabolites in callus culture of <i>Eclipta alba</i> L.. <i>PLoS ONE</i> , 2020, 15, e0233963.	1.1	39
10	Enrichment in Antioxidant Flavonoids of Stamen Extracts from <i>Nymphaea lotus</i> L. Using Ultrasonic-Assisted Extraction and Macroporous Resin Adsorption. <i>Antioxidants</i> , 2020, 9, 576.	2.2	38
11	Effects of Biogenic Zinc Oxide Nanoparticles on Growth and Oxidative Stress Response in Flax Seedlings vs. <i>In Vitro</i> Cultures: A Comparative Analysis. <i>Biomolecules</i> , 2020, 10, 918.	1.8	35
12	Puerarin exhibits weak estrogenic activity in female rats. <i>FÄ-toterapÄ-Äç</i> , 2010, 81, 569-576.	1.1	34
13	Interactive Effects of Light and Melatonin on Biosynthesis of Silymarin and Anti-Inflammatory Potential in Callus Cultures of <i>Silybum marianum</i> (L.) Gaertn.. <i>Molecules</i> , 2019, 24, 1207.	1.7	33
14	A Green Ultrasound-Assisted Extraction Optimization of the Natural Antioxidant and Anti-Aging Flavonolignans from Milk Thistle <i>Silybum marianum</i> (L.) Gaertn. <i>Fruits for Cosmetic Applications</i> . <i>Antioxidants</i> , 2019, 8, 304.	2.2	32
15	Callus Culture of Thai Basil Is an Effective Biological System for the Production of Antioxidants. <i>Molecules</i> , 2020, 25, 4859.	1.7	30
16	Monochromatic lights-induced trends in antioxidant and antidiabetic polyphenol accumulation in <i>in vitro</i> callus cultures of <i>Lepidium sativum</i> L.. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 196, 111505.	1.7	28
17	<i>Isodon rugosus</i> (Wall. ex Benth.) Codd <i>In Vitro</i> Cultures: Establishment, Phytochemical Characterization and <i>In Vitro</i> Antioxidant and Anti-Aging Activities. <i>International Journal of Molecular Sciences</i> , 2019, 20, 452.	1.8	28
18	Nano-Elicitation as an Effective and Emerging Strategy for <i>In Vitro</i> Production of Industrially Important Flavonoids. <i>Applied Sciences</i> (Switzerland), 2021, 11, 1694.	1.3	28

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19	Grape Cane Extracts as Multifunctional Rejuvenating Cosmetic Ingredient: Evaluation of Sirtuin Activity, Tyrosinase Inhibition and Bioavailability Potential. <i>Molecules</i> , 2020, 25, 2203.	1.7	27
20	A Quick, Green and Simple Ultrasound-Assisted Extraction for the Valorization of Antioxidant Phenolic Acids from Moroccan Almond Cold-Pressed Oil Residues. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3313.	1.3	27
21	Chitosan Elicitation Impacts Flavonolignan Biosynthesis in <i>Silybum marianum</i> (L.) Gaertn Cell Suspension and Enhances Antioxidant and Anti-Inflammatory Activities of Cell Extracts. <i>Molecules</i> , 2021, 26, 791.	1.7	25
22	A Critical View of Different Botanical, Molecular, and Chemical Techniques Used in Authentication of Plant Materials for Cosmetic Applications. <i>Cosmetics</i> , 2018, 5, 30.	1.5	24
23	A Critical Cross-Species Comparison of Pollen from <i>Nelumbo nucifera</i> Gaertn. vs. <i>Nymphaea lotus</i> L. for Authentication of Thai Medicinal Herbal Tea. <i>Plants</i> , 2020, 9, 921.	1.6	24
24	Green Ultrasound Assisted Extraction of trans Rosmarinic Acid from <i>Plectranthus scutellarioides</i> (L.) R.Br. Leaves. <i>Plants</i> , 2019, 8, 50.	1.6	22
25	Exogenous application of salicylic acid and gibberellic acid on biomass accumulation, antioxidant and anti-inflammatory secondary metabolites production in multiple shoot culture of <i>Ajuga integrifolia</i> Buch. Ham. ex D.Don. <i>Industrial Crops and Products</i> , 2020, 145, 112098.	2.5	21
26	Almond Skin Extracts and Chlorogenic Acid Delay Chronological Aging and Enhanced Oxidative Stress Response in Yeast. <i>Life</i> , 2020, 10, 80.	1.1	18
27	Cosmetic Potential of <i>Cajanus cajan</i> (L.) Millsp: Botanical Data, Traditional Uses, Phytochemistry and Biological Activities. <i>Cosmetics</i> , 2020, 7, 84.	1.5	17
28	A Promising View of Kudzu Plant, <i>Pueraria montana</i> var. <i>lobata</i> (Willd.) Sanjappa & Pradeep: Flavonoid Phytochemical Compounds, Taxonomic Data, Traditional Uses and Potential Biological Activities for Future Cosmetic Application. <i>Cosmetics</i> , 2020, 7, 12.	1.5	17
29	Flavonoids Profile, Taxonomic Data, History of Cosmetic Uses, Anti-Oxidant and Anti-Aging Potential of <i>Alpinia galanga</i> (L.) Willd. <i>Cosmetics</i> , 2020, 7, 89.	1.5	16
30	Gene Expression Analysis and Metabolite Profiling of Silymarin Biosynthesis during Milk Thistle (<i>Silybum marianum</i> (L.) Gaertn.) Fruit Ripening. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4730.	1.8	14
31	A Cosmetic Perspective on the Antioxidant Flavonoids from <i>Nymphaea lotus</i> L.. <i>Cosmetics</i> , 2021, 8, 12.	1.5	14
32	Antihyperlipidemic and Antioxidant Activities of Flavonoid-Rich Extract of <i>Ziziphus lotus</i> (L.) Lam. Fruits. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7788.	1.3	14
33	Andrographolide Exhibits Anticancer Activity against Breast Cancer Cells (MCF-7 and MDA-MB-231) Through ERK1/2 Inactivation, PI3K/AKT/mTOR Signaling, and Downregulation of Cyclin D1. <i>Molecules</i> , 2022, 27, 3544.	1.7	14
34	Characterization of Bioactive Phenolics and Antioxidant Capacity of Edible Bean Extracts of 50 Fabaceae Populations Grown in Thailand. <i>Foods</i> , 2021, 10, 3118.	1.9	12
35	UPLC-HRMS Analysis Revealed the Differential Accumulation of Antioxidant and Anti-Aging Lignans and Neolignans in In Vitro Cultures of <i>Linum usitatissimum</i> L. <i>Frontiers in Plant Science</i> , 2020, 11, 508658.	1.7	10
36	Validation of a High-Performance Liquid Chromatography with Photodiode Array Detection Method for the Separation and Quantification of Antioxidant and Skin Anti-Aging Flavonoids from <i>Nelumbo nucifera</i> Gaertn. Stamen Extract. <i>Molecules</i> , 2022, 27, 1102.	1.7	10

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37	Green Extraction of Antioxidant Flavonoids from Pigeon Pea (<i>Cajanus cajan</i> (L.) Millsp.) Seeds and Its Antioxidant Potentials Using Ultrasound-Assisted Methodology. <i>Molecules</i> , 2021, 26, 7557.	1.7	10
38	Flavonoids from Sacred Lotus Stamen Extract Slows Chronological Aging in Yeast Model by Reducing Oxidative Stress and Maintaining Cellular Metabolism. <i>Cells</i> , 2022, 11, 599.	1.8	9
39	Physiological and molecular responses of flax (<i>Linum usitatissimum</i> L.) cultivars under a multicontaminated technosol amended with biochar. <i>Environmental Science and Pollution Research</i> , 2021, 28, 53728-53745.	2.7	7
40	Scarlet Flax <i>Linum grandiflorum</i> (L.) In Vitro Cultures as a New Source of Antioxidant and Anti-Inflammatory Lignans. <i>Molecules</i> , 2021, 26, 4511.	1.7	6
41	Differential induction of antioxidant and anti-inflammatory phytochemicals in agitated micro-shoot cultures of <i>Ajuga integrifolia</i> Buch. Ham. ex D.Don with biotic elicitors. <i>AMB Express</i> , 2021, 11, 137.	1.4	6
42	Phytochemical Diversity and Antioxidant Potential of Natural Populations of <i>Nelumbo nucifera</i> Gaertn. throughout the Floristic Regions in Thailand. <i>Molecules</i> , 2022, 27, 681.	1.7	6
43	Identifying Major Drivers of Antioxidant Activities in Complex Polyphenol Mixtures from Grape Canes. <i>Molecules</i> , 2022, 27, 4029.	1.7	6
44	Effect of Traditional Cooking and In Vitro Gastrointestinal Digestion of the Ten Most Consumed Beans from the Fabaceae Family in Thailand on Their Phytochemicals, Antioxidant and Anti-Diabetic Potentials. <i>Plants</i> , 2022, 11, 67.	1.6	5
45	Morphological variations among populations of <i>Monochoria vaginalis</i> s.l. (Pontederiaceae) in Thailand. <i>Phytotaxa</i> , 2016, 268, 57.	0.1	4
46	Differential Flavonoid and Other Phenolic Accumulations and Antioxidant Activities of <i>Nymphaea lotus</i> L. Populations throughout Thailand. <i>Molecules</i> , 2022, 27, 3590.	1.7	3
47	<i>Rivea hypocrateriformis</i> (Desr.) Choisy: An Overview of Its Ethnomedicinal Uses, Phytochemistry, and Biological Activities and Prospective Research Directions. <i>Journal of Chemistry</i> , 2022, 2022, 1-11.	0.9	3
48	Comparative Analysis of Various Plant-Growth-Regulator Treatments on Biomass Accumulation, Bioactive Phytochemical Production, and Biological Activity of <i>Solanum virginianum</i> L. Callus Culture Extracts. <i>Cosmetics</i> , 2022, 9, 71.	1.5	2
49	Production of Antidiabetic Lignans in Flax Cell Cultures. , 2021, , 383-407.		1
50	Flavonoid Profiles and Antioxidant Potential of <i>Monochoria angustifolia</i> (G. X. Wang) Boonkerd & Tungmunnithum, a New Species from the Genus <i>Monochoria</i> C. Presl. <i>Antioxidants</i> , 2022, 11, 952.	2.2	1
51	On “The Most Useful” Oleaginous Seeds: <i>Linum usitatissimum</i> L., A Genomic View with Emphasis on Important Flax Seed Storage Compounds. , 2021, , 135-157.		0