

Stefan BÄŕhmdorfer

List of Publications by Year in descending order

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58
papers

1,062
citations

471061

17
h-index

454577

30
g-index

59
all docs

59
docs citations

59
times ranked

1542
citing authors

#	ARTICLE	IF	CITATIONS
1	Wheat bran-based biorefinery 2: Valorization of products. <i>LWT - Food Science and Technology</i> , 2014, 56, 222-231.	2.5	198
2	A comparison between near-infrared (NIR) and mid-infrared (ATR-FTIR) spectroscopy for the multivariate determination of compositional properties in wheat bran samples. <i>Food Control</i> , 2016, 60, 365-369.	2.8	60
3	Mating type-dependent partner sensing as mediated by <i>VEL1</i> in <i>Trichoderma reesei</i> . <i>Molecular Microbiology</i> , 2015, 96, 1103-1118.	1.2	59
4	Increased anthocyanin content in purple pericarp-blue aleurone wheat crosses. <i>Plant Breeding</i> , 2013, 132, 546-552.	1.0	54
5	Arabinoxylan Oligosaccharide Hydrolysis by Family 43 and 51 Glycosidases from <i>Lactobacillus brevis</i> DSM 20054. <i>Applied and Environmental Microbiology</i> , 2013, 79, 6747-6754.	1.4	51
6	Structural elucidation of fucoidan from <i>Cladosiphon okamuranus</i> (Okinawa mozuku). <i>Food Chemistry</i> , 2019, 272, 222-226.	4.2	46
7	SUB1 has photoreceptor dependent and independent functions in sexual development and secondary metabolism in <i>Trichoderma reesei</i> . <i>Molecular Microbiology</i> , 2017, 106, 742-759.	1.2	39
8	Analytical techniques for the elucidation of wheat bran constituents and their structural features with emphasis on dietary fiber – review. <i>Trends in Food Science and Technology</i> , 2014, 35, 102-113.	7.8	32
9	The role of PKAc1 in gene regulation and trichodimerol production in <i>Trichoderma reesei</i> . <i>Fungal Biology and Biotechnology</i> , 2019, 6, 12.	2.5	28
10	Essential oil and composition of <i>Tagetes minuta</i> from Uganda. Larvicidal activity on <i>Anopheles gambiae</i> . <i>Industrial Crops and Products</i> , 2014, 62, 400-404.	2.5	27
11	Phenolic compounds and antioxidant properties of arabinoxylan hydrolysates from defatted rice bran. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 140-146.	1.7	27
12	The Lipoxygenase <i>Lox1</i> Is Involved in Light and Injury-Response, Conidiation, and Volatile Organic Compound Biosynthesis in the Mycoparasitic Fungus <i>Trichoderma atroviride</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 2004.	1.5	26
13	Omics Analyses of <i>Trichoderma reesei</i> CBS999.97 and QM6a Indicate the Relevance of Female Fertility to Carbohydrate-Active Enzyme and Transporter Levels. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	22
14	Profiling and quantification of grain anthocyanins in purple pericarp-blue aleurone wheat crosses by high-performance thin-layer chromatography and densitometry. <i>Plant Methods</i> , 2018, 14, 29.	1.9	22
15	Effect of pretreatment on arabinoxylan distribution in wheat bran. <i>Carbohydrate Polymers</i> , 2015, 121, 18-26.	5.1	21
16	Tocopheramine succinate and tocopheryl succinate: Mechanism of mitochondrial inhibition and superoxide radical production. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 684-691.	1.4	19
17	Accurate Analysis of Formose Reaction Products by LC-UV: An Analytical Challenge. <i>Journal of Chromatographic Science</i> , 2014, 52, 169-175.	0.7	18
18	Preparation and analytical characterisation of pure fractions of cellooligosaccharides. <i>Journal of Chromatography A</i> , 2016, 1431, 47-54.	1.8	18

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19	Phytochemical and biological activities of <i>Silene viridiflora</i> extractives. Development and validation of a HPTLC method for quantification of 20-hydroxyecdysone. <i>Industrial Crops and Products</i> , 2019, 129, 542-548.	2.5	18
20	Understanding the Impact of Supercritical Carbon Dioxide on the Delignification Mechanism During Organosolv Pulping: A Model Compound Study. <i>Journal of Wood Chemistry and Technology</i> , 2012, 32, 225-237.	0.9	17
21	Tocopheramines and tocotrienamines as antioxidants: ESR spectroscopy, rapid kinetics and DFT calculations. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 5039-5046.	1.4	16
22	Chemical composition and anti-termite activity of essential oil from <i>Canarium schweinfurthii</i> Engl. <i>Industrial Crops and Products</i> , 2015, 71, 75-79.	2.5	16
23	GC-MS Based Identification of the Volatile Components of Six <i>Astragalus</i> Species from Uzbekistan and Their Biological Activity. <i>Plants</i> , 2021, 10, 124.	1.6	13
24	Synthesis of 5-(Fluorophenyl)tocopherols as Novel Dioxin Receptor Antagonists. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2450-2457.	1.2	12
25	Tocotrienamines and tocopheramines: Reactions with radicals and metal ions. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 6483-6491.	1.4	11
26	Chemical composition of volatiles extracted from indigenous tree species of Uganda: composition of bark extracts from <i>Psorospermum febrifugum</i> and <i>Milicia excelsa</i> . <i>Holzforschung</i> , 2015, 69, 815-821.	0.9	11
27	Changing the Molecular Structure of Kraft Lignins' Ozone Treatment at Alkaline Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15163-15172.	3.2	11
28	Antioxidant properties and qualitative analysis of phenolic constituents in <i>Ephedra</i> spp. by HPTLC together with injection port derivatization GC-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1180, 122877.	1.2	11
29	Bromination of Non-Tocopherols: A Comparative Synthetic, Kinetic and Computational Study. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 4873-4881.	1.2	10
30	Analysis of degradation products in rayon spinning baths. <i>Holzforschung</i> , 2015, 69, 695-702.	0.9	10
31	Å© calibration – Making optimal use of time and space in quantitative high performance thin layer chromatography. <i>Journal of Chromatography A</i> , 2018, 1533, 193-198.	1.8	10
32	Sulfuric Acid-Catalyzed Dehydratization of Carbohydrates for the Production of Adhesive Precursors. <i>ACS Omega</i> , 2021, 6, 16641-16648.	1.6	10
33	A matrix-resistant HPTLC method to quantify monosaccharides in wood-based lignocellulose biorefinery streams. <i>Holzforschung</i> , 2018, 72, 645-652.	0.9	9
34	On the dimers of Î²-tocopherol. <i>Tetrahedron</i> , 2011, 67, 4858-4861.	1.0	8
35	Composition of essential oils from four Apiaceae and Asteraceae species growing in Uzbekistan. <i>Natural Product Research</i> , 2018, 32, 1118-1122.	1.0	8
36	A cautionary note on thermal runaway reactions in mixtures of 1-alkyl-3-methylimidazolium ionic liquids and N-methylmorpholine-N-oxide. <i>Cellulose</i> , 2017, 24, 1927-1932.	2.4	7

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37	Quantification of Volatiles from Technical Lignins by Multiple Headspace Sampling-Solid-Phase Microextraction-Gas Chromatography-Mass Spectrometry. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9896-9903.	3.2	7
38	Flavone glucosides from <i>Artemisia juncea</i> . <i>Natural Product Research</i> , 2019, 33, 2169-2175.	1.0	7
39	Bromination of Tocopherols: Oxidative Halogenations and Rearrangements. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3036-3049.	1.2	6
40	Ascorbigen – Occurrence, Synthesis, and Analytics. <i>Mini-Reviews in Organic Chemistry</i> , 2012, 9, 411-417.	0.6	6
41	Recycling of Analytical Grade Solvents on a Lab Scale with a Purpose-Built Temperature-Controlled Distillation Unit. <i>Organic Process Research and Development</i> , 2017, 21, 578-584.	1.3	6
42	Direct Quantification of Lignin in Liquors by High Performance Thin Layer Chromatography-Densitometry and Multivariate Calibration. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16766-16774.	3.2	6
43	Degradation of the cellulosic key chromophore 2,5-dihydroxy-[1,4]-benzoquinone (DHBQ) under conditions of chlorine dioxide pulp bleaching: formation of rhodizonate as secondary chromophore – a combined experimental and theoretical study. <i>Cellulose</i> , 2020, 27, 3623-3649.	2.4	6
44	Side reactions of 4-acetamido-TEMPO as the catalyst in cellulose oxidation systems. <i>Holzforschung</i> , 2010, 64, .	0.9	5
45	Thin Layer Chromatography and the Analysis of Wood Derived Biomass - A Review. <i>Current Chromatography</i> , 2016, 3, 75-85.	0.1	5
46	Synthesis of the α -Tocopheramine-15N Model Compound 2,2,5,7,8-Pentamethyl-6-chromanylamine-15N. <i>Letters in Organic Chemistry</i> , 2010, 7, 335-337.	0.2	4
47	Unbreakable and customizable dipping chambers for TLC and HPTLC manufactured by fused deposition modelling. <i>Talanta</i> , 2020, 217, 121072.	2.9	4
48	Empty Palm Fruit Bunches – A CO ₂ -Based Biorefinery Concept. <i>Journal of Biobased Materials and Bioenergy</i> , 2011, 5, 225-233.	0.1	4
49	Phytochemical analysis and biological evaluation of <i>Lagochilus</i> species from Uzbekistan. <i>Industrial Crops and Products</i> , 2020, 154, 112715.	2.5	3
50	Self-organising maps for the exploration and classification of thin-layer chromatograms. <i>Talanta</i> , 2021, 233, 122460.	2.9	3
51	Novel tocopherol derivatives. Part 32: On the bromination of pyrano[3,2-f]chromenes related to β -tocopherol. <i>Tetrahedron</i> , 2011, 67, 6181-6185.	1.0	2
52	Extractives and biological activities of Lamiaceae species growing in Uzbekistan. <i>Holzforschung</i> , 2020, 74, 96-115.	0.9	2
53	Robust and fast absolute quantification of a colored wood surface coating by scanning densitometry. <i>Applied Surface Science</i> , 2020, 505, 144568.	3.1	2
54	Investigation of cardiorespiratory effects of the selective 5-HT ₄ agonist BIMU8 in etorphine-immobilised goats (<i>Capra aegagrus hircus</i>) in a randomized, blinded and controlled trial. <i>Veterinary Record</i> , 2021, 189, e76.	0.2	2

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55	Oxidation with a "Stopover" Stable Zwitterions as Intermediates in the Oxidation of γ -Tocopherol (Vitamin E) Model Compounds to their Corresponding ortho-Quinone Methides. ChemistryOpen, 2021, 10, 421-429.	0.9	2
56	Formation and Structure of a Novel Nitration Product of γ -Tocopherol. Current Organic Synthesis, 2013, 10, 165-168.	0.7	1
57	Safe and Ecological Refluxing with a Closed-Loop Air Cooling System. ChemSusChem, 2017, 10, 461-465.	3.6	1
58	Neues von einem altbekannten Antioxidans. Nachrichten Aus Der Chemie, 2008, 56, 411-417.	0.0	0