Stefan BÃ¶hmdorfer

List of Publications by Year
in descending order

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	GC-MS Based Identification of the Volatile Components of Six Astragalus Species from Uzbekistan and Their Biological Activity. Plants, 2021, 10, 124.	1.6	13
2	Investigation of cardiorespiratory effects of the selective 5â€HT4 agonist BIMUâ€8 in etorphineâ€immobilised goats (Capra aegagrus hircus) in a randomized, blinded and controlled trial. Veterinary Record, 2021, 189, e76.	0.2	2
3	Oxidation with a â€œStopoverâ€•â€“ Stable Zwitterions as Intermediates in the Oxidation of Î±â€Tocopherol (Vitamin E) Model Compounds to their Corresponding ortho â€Quinone Methides. ChemistryOpen, 2021, 10, 421-429.	0.9	2
4	Sulfuric Acid-Catalyzed Dehydratization of Carbohydrates for the Production of Adhesive Precursors. ACS Omega, 2021, 6, 16641-16648.	1.6	10
5	Antioxidant properties and qualitative analysis of phenolic constituents in Ephedra spp. by HPTLC together with injection port derivatization GCâ€“MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1180, 122877.	1.2	11
6	Self-organising maps for the exploration and classification of thin-layer chromatograms. Talanta, 2021, 233, 122460.	2.9	3
7	Extractives and biological activities of Lamiaceae species growing in Uzbekistan. Holzforschung, 2020, 74, 96-115.	0.9	2
8	Robust and fast absolute quantification of a colored wood surface coating by scanning densitometry. Applied Surface Science, 2020, 505, 144568.	3.1	2
9	Direct Quantification of Lignin in Liquors by High Performance Thin Layer Chromatography-Densitometry and Multivariate Calibration. ACS Sustainable Chemistry and Engineering, 2020, 8, 16766-16774.	3.2	6
10	The Lipoxygenase Lox1 Is Involved in Lightâ€•and Injury-Response, Conidiation, and Volatile Organic Compound Biosynthesis in the Mycoparasitic Fungus Trichoderma atroviride. Frontiers in Microbiology, 2020, 11, 2004.	1.5	26
11	Phytochemical analysis and biological evaluation of Lagochilus species from Uzbekistan. Industrial Crops and Products, 2020, 154, 112715.	2.5	3
12	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 chromophoreâ€”a combined experimental and theoretical study. Cellulose, 2020, 27, 3623-3649.	2.4	6
13	Unbreakable and customizable dipping chambers for TLC and HPTLC manufactured by fused deposition modelling. Talanta, 2020, 217, 121072.	2.9	4
14	Structural elucidation of fucoidan from Cladosiphon okamuranus (Okinawa mozuku). Food Chemistry, 2019, 272, 222-226.	4.2	46
15	Changing the Molecular Structure of Kraft Ligninsâ€”Ozone Treatment at Alkaline Conditions. ACS Sustainable Chemistry and Engineering, 2019, 7, 15163-15172.	3.2	11
16	The role of PKAc1 in gene regulation and trichodimerol production in Trichoderma reesei. Fungal Biology and Biotechnology, 2019, 6, 12.	2.5	28
17	Quantification of Volatiles from Technical Lignins by Multiple Headspace Sampling-Solid-Phase Microextraction-Gas Chromatography-Mass Spectrometry. ACS Sustainable Chemistry and Engineering, 2019, 7, 9896-9903.	3.2	7
18	Phytochemical and biological activities of Silene viridiflora extractives. Development and validation of a HPTLC method for quantification of 20-hydroxyecdysone. Industrial Crops and Products, 2019, 129, 542-548.	2.5	18

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19	Flavone glucosides from Artemisia juncea. Natural Product Research, 2019, 33, 2169-2175.	1.0	7
20	Ã€ cÃ´tÃ© calibration â€“ Making optimal use of time and space in quantitative high performance thin layer chromatography. Journal of Chromatography A, 2018, 1533, 193-198.	1.8	10
21	Profiling and quantification of grain anthocyanins in purple pericarpâ€‰Ã—â€‰blue aleurone wheat crosses by high-performance thin-layer chromatography and densitometry. Plant Methods, 2018, 14, 29.	1.9	22
22	A matrix-resistant HPTLC method to quantify monosaccharides in wood-based lignocellulose biorefinery streams. Holzforschung, 2018, 72, 645-652.	0.9	9
23	Phenolic compounds and antioxidant properties of arabinoxylan hydrolysates from defatted rice bran. Journal of the Science of Food and Agriculture, 2018, 98, 140-146.	1.7	27
24	Composition of essential oils from four Apiaceae and Asteraceae species growing in Uzbekistan. Natural Product Research, 2018, 32, 1118-1122.	1.0	8
25	Recycling of Analytical Grade Solvents on a Lab Scale with a Purpose-Built Temperature-Controlled Distillation Unit. Organic Process Research and Development, 2017, 21, 578-584.	1.3	6
26	A cautionary note on thermal runaway reactions in mixtures of 1-alkyl-3-methylimidazolium ionic liquids and N-methylmorpholine-N-oxide. Cellulose, 2017, 24, 1927-1932.	2.4	7
27	Omics Analyses of Trichoderma reesei CBS999.97 and QM6a Indicate the Relevance of Female Fertility to Carbohydrate-Active Enzyme and Transporter Levels. Applied and Environmental Microbiology, 2017, 83, .	1.4	22
28	SUB1 has photoreceptor dependent and independent functions in sexual development and secondary metabolism in Trichoderma reesei. Molecular Microbiology, 2017, 106, 742-759.	1.2	39
29	Safe and Ecological Refluxing with a Closedâ€Loop Air Cooling System. ChemSusChem, 2017, 10, 461-465.	3.6	1
30	Preparation and analytical characterisation of pure fractions of cellooligosaccharides. Journal of Chromatography A, 2016, 1431, 47-54.	1.8	18
31	A comparison between near-infrared (NIR) and mid-infrared (ATR-FTIR) spectroscopy for the multivariate determination of compositional properties in wheat bran samples. Food Control, 2016, 60, 365-369.	2.8	60
32	Thin Layer Chromatography and the Analysis of Wood Derived Biomass - A Review. Current Chromatography, 2016, 3, 75-85.	0.1	5
33	Effect of pretreatment on arabinoxylan distribution in wheat bran. Carbohydrate Polymers, 2015, 121, 18-26.	5.1	21
34	Mating typeâ€dependent partner sensing as mediated by <scp>VEL</scp>1 in <scp>T</scp>richoderma reesei. Molecular Microbiology, 2015, 96, 1103-1118.	1.2	59
35	Chemical composition and anti-termitic activity of essential oil from Canarium schweinfurthii Engl. Industrial Crops and Products, 2015, 71, 75-79.	2.5	16
36	Analysis of degradation products in rayon spinning baths. Holzforschung, 2015, 69, 695-702.	0.9	10

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37	Chemical composition of volatiles extracted from indigenous tree species of Uganda: composition of bark extracts from Psorospermum febrifugum and Milicia excelsa. Holzforschung, 2015, 69, 815-821.	0.9	11
38	Accurate Analysis of Formose Reaction Products by LCâ€“UV: An Analytical Challenge. Journal of Chromatographic Science, 2014, 52, 169-175.	0.7	18
39	Tocopheramine succinate and tocopheryl succinate: Mechanism of mitochondrial inhibition and superoxide radical production. Bioorganic and Medicinal Chemistry, 2014, 22, 684-691.	1.4	19
40	Analytical techniques for the elucidation of wheat bran constituents and their structural features with emphasis on dietary fiber â€“ AÂreview. Trends in Food Science and Technology, 2014, 35, 102-113.	7.8	32
41	Wheat bran-based biorefinery 2: Valorization of products. LWT - Food Science and Technology, 2014, 56, 222-231.	2.5	198
42	Essential oil and composition of Tagetes minuta from Uganda. Larvicidal activity on Anopheles gambiae. Industrial Crops and Products, 2014, 62, 400-404.	2.5	27
43	Arabinoxylan Oligosaccharide Hydrolysis by Family 43 and 51 Glycosidases from Lactobacillus brevis DSM 20054. Applied and Environmental Microbiology, 2013, 79, 6747-6754.	1.4	51
44	Tocopheramines and tocotrienamines as antioxidants: ESR spectroscopy, rapid kinetics and DFT calculations. Bioorganic and Medicinal Chemistry, 2013, 21, 5039-5046.	1.4	16
45	Increased anthocyanin content in purple pericarpÂÃ—Âblue aleurone wheat crosses. Plant Breeding, 2013, 132, 546-552.	1.0	54
46	Formation and Structure of a Novel Nitration Product of Î´-Tocopherol. Current Organic Synthesis, 2013, 10, 165-168.	0.7	1
47	Ascorbigen â€“ Occurrence, Synthesis, and Analytics. Mini-Reviews in Organic Chemistry, 2012, 9, 411-417.	0.6	6
48	Understanding the Impact of Supercritical Carbon Dioxide on the Delignification Mechanism During Organosolv Pulping: A Model Compound Study. Journal of Wood Chemistry and Technology, 2012, 32, 225-237.	0.9	17
49	Tocotrienamines and tocopheramines: Reactions with radicals and metal ions. Bioorganic and Medicinal Chemistry, 2011, 19, 6483-6491.	1.4	11
50	Novel tocopherol derivatives. Part 32: On the bromination of pyrano[3,2-f]chromenes related to Î³-tocopherol. Tetrahedron, 2011, 67, 6181-6185.	1.0	2
51	Bromination of Tocopherols: Oxidative Halogenations and Rearrangements. European Journal of Organic Chemistry, 2011, 2011, 3036-3049.	1.2	6
52	Synthesis of 5â€(Fluorophenyl)tocopherols as Novel Dioxin Receptor Antagonists. European Journal of Organic Chemistry, 2011, 2011, 2450-2457.	1.2	12
53	On the dimers of Î²-tocopherol. Tetrahedron, 2011, 67, 4858-4861.	1.0	8
54	Empty Palm Fruit Bunchesâ€”A CO₂-Based Biorefinery Concept. Journal of Biobased Materials and Bioenergy, 2011, 5, 225-233.	0.1	4

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55	Side reactions of 4-acetamido-TEMPO as the catalyst in cellulose oxidation systems. Holzforschung, 2010, 64, .	0.9	5
56	Synthesis of the α-Tocopheramine-15N Model Compound 2,2,5,7,8-Pentamethyl-6-chromanylamine-15N. Letters in Organic Chemistry, 2010, 7, 335-337.	0.2	4
57	Bromination of Nonâ€Î±â€Tocopherols: A Comparative Synthetic, Kinetic and Computational Study. European Journal of Organic Chemistry, 2009, 2009, 4873-4881.	1.2	10
58	Neues von einem altbekannten Antioxidans. Nachrichten Aus Der Chemie, 2008, 56, 411-417.	0.0	0