Wolfgang StÃ¶ggl

List of Publications by Year
in descending order

31	984	394421	434195
papers	citations	19 h-index	31 g-index

32	32	32	1265
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Does oxygen affect ageing mechanisms of Pinus densiflora seeds? A matter of cytoplasmic physical state. Journal of Experimental Botany, 2022, 73, 2631-2649.	4.8	18
2	Advances in understanding Norway spruce natural resistance to needle bladder rust infection: transcriptional and secondary metabolites profiling. BMC Genomics, 2022, 23, .	2.8	2
3	Redox feedback regulation of ANAC089 signaling alters seed germination and stress response. Cell Reports, 2021, 35, 109263.	6.4	20
4	Plant Parasites under Pressure: Effects of Abiotic Stress on the Interactions between Parasitic Plants and Their Hosts. International Journal of Molecular Sciences, 2021, 22, 7418.	4.1	21
5	Hydrogen Peroxide Metabolism in Interkingdom Interaction Between Bacteria and Wheat Seeds and Seedlings. Molecular Plant-Microbe Interactions, 2020, 33, 336-348.	2.6	15
6	Phytohormone release by three isolated lichen mycobionts and the effects of indole-3-acetic acid on their compatible photobionts. Symbiosis, 2020, 82, 95-108.	2.3	7
7	RNA-Seq and secondary metabolite analyses reveal a putative defence-transcriptome in Norway spruce (Picea abies) against needle bladder rust (Chrysomyxa rhododendri) infection. BMC Genomics, 2020, 21, 336.	2.8	13
8	Abundance and Extracellular Release of Phytohormones in Aeroâ€terrestrial Microalgae (Trebouxiophyceae, Chlorophyta) As a Potential Chemical Signaling Source 1. Journal of Phycology, 2020, 56, 1295-1307.	2.3	19
9	The non-photochemical quenching protein LHCSR3 prevents oxygen-dependent photoinhibition in Chlamydomonas reinhardtii. Journal of Experimental Botany, 2020, 71, 2650-2660.	4.8	41
10	Abscisic acid-determined seed vigour differences do not influence redox regulation during ageing. Biochemical Journal, 2019, 476, 965-974.	3.7	18
11	Distress and eustress of reactive electrophiles and relevance to light stress acclimation via stimulation of thiol/disulphide-based redox defences. Free Radical Biology and Medicine, 2018, 122, 65-73.	2.9	36
12	Redox poise and metabolite changes in bread wheat seeds are advanced by priming with hot steam. Biochemical Journal, 2018, 475, 3725-3743.	3.7	25
13	Association genetics of phenolic needle compounds in Norway spruce with variable susceptibility to needle bladder rust. Plant Molecular Biology, 2017, 94, 229-251.	3.9	30
14	Changes in low-molecular-weight thiol-disulphide redox couples are part of bread wheat seed germination and early seedling growth. Free Radical Research, 2017, 51, 568-581.	3.3	22
15	Chlamydomonas reinhardtii responding to high light: a role for 2â€propenal (acrolein). Physiologia Plantarum, 2017, 161, 75-87.	5.2	38
16	Drought affects the heat-hardening capacity of alpine plants as indicated by changes in xanthophyll cycle pigments, singlet oxygen scavenging, Î±-tocopherol and plant hormones. Environmental and Experimental Botany, 2017, 133, 159-175.	4.2	41
17	Foliar Phenolic Compounds in Norway Spruce with Varying Susceptibility to Chrysomyxa rhododendri: Analyses of Seasonal and Infection-Induced Accumulation Patterns. Frontiers in Plant Science, 2017, 8, 1173.	3.6	36
18	Formation of lipid bodies and changes in fatty acid composition upon pre-akinete formation in Arctic and AntarcticZygnema(Zygnematophyceae, Streptophyta) strains. FEMS Microbiology Ecology, 2016, 92, fiw096.	2.7	57

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19	Quantitative Analysis of Salicylic Acid and its Derivatives in Primulae radix by High Performance Liquid Chromatography-Diode Array Detection- Electrospray Ionization Mass Spectrometry (HPLC-DAD-ESI-MS) and Simultaneous Determination of Total Polyphenol Content (TPC). Current Analytical Chemistry, 2014, 10, 271-279.	1.2	5
20	A rapid HPLC-MS/MS method for the simultaneous quantification of cyclosporine A, tacrolimus, sirolimus and everolimus in human blood samples. Nature Protocols, 2009, 4, 526-534.	12.0	105
21	Silica particles encapsulated poly(styrene-divinylbenzene) monolithic stationary phases for Î¼-high performance liquid chromatography. Journal of Chromatography A, 2006, 1132, 183-189.	3.7	26
22	Capillary electrochromatography of biologically relevant flavonoids. Electrophoresis, 2006, 27, 787-792.	2.4	25
23	Influence of the pore structure on the properties of silica based reversed phase packings for LC. Journal of Separation Science, 2005, 28, 313-324.	2.5	24
24	Simultaneous determination of carotenoids, tocopherols, and Î³-oryzanol in crude rice bran oil by liquid chromatography coupled to diode array and mass spectrometric detection employing silica C30 stationary phases. Journal of Separation Science, 2005, 28, 1712-1718.	2.5	71
25	Sample Pretreatment and Determination of Non Steroidal Anti-Inflammatory Drugs (NSAIDs) in Pharmaceutical Formulations and Biological Samples (Blood, Plasma, Erythrocytes) by HPLC-UV-MS and Î¼-HPLC. Current Medicinal Chemistry, 2005, 12, 573-588.	2.4	40
26	Structural elucidation of catechin and epicatechin in sorrel leaf extracts using liquid-chromatography coupled to diode array-, fluorescence-, and mass spectrometric detection. Journal of Separation Science, 2004, 27, 524-528.	2.5	66
27	Capillary electrochromatography of boswellic acids inBoswellia serrata Roxb.. Journal of Separation Science, 2003, 26, 1383-1388.	2.5	28
28	Phytoanalysis: a challenge in phytomics. TrAC - Trends in Analytical Chemistry, 2003, 22, 1-14.	11.4	59
29	Analysis of isolectins on non-porous particles and monolithic polystyrene-divinylbenzene based stationary phases and electrospray ionization mass spectrometry. International Journal of Mass Spectrometry, 2003, 223-224, 519-526.	1.5	10
30	High performance separation technologies and spectroscopic tools for plant extract characterization in phytomics. Phytochemistry Reviews, 2002, 1, 413-426.	6.5	13
31	Analysis of vitamin E in food and phytopharmaceutical preparations by HPLC and HPLC-APCI-MS-MS. Chromatographia, 2001, 54, 179-185.	1.3	52