

# Wolfgang StÄggel

## List of Publications by Year in descending order

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31  
papers

984  
citations

394421

19  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1265  
citing authors

#	ARTICLE	IF	CITATIONS
1	A rapid HPLC-MS/MS method for the simultaneous quantification of cyclosporine A, tacrolimus, sirolimus and everolimus in human blood samples. <i>Nature Protocols</i> , 2009, 4, 526-534.	12.0	105
2	Simultaneous determination of carotenoids, tocopherols, and $\hat{1}^3$ -oryzanol in crude rice bran oil by liquid chromatography coupled to diode array and mass spectrometric detection employing silica C30 stationary phases. <i>Journal of Separation Science</i> , 2005, 28, 1712-1718.	2.5	71
3	Structural elucidation of catechin and epicatechin in sorrel leaf extracts using liquid-chromatography coupled to diode array-, fluorescence-, and mass spectrometric detection. <i>Journal of Separation Science</i> , 2004, 27, 524-528.	2.5	66
4	Phytoanalysis: a challenge in phytomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 1-14.	11.4	59
5	Formation of lipid bodies and changes in fatty acid composition upon pre-akinete formation in Arctic and Antarctic <i>Zygnema</i> ( <i>Zygnematophyceae</i> , <i>Streptophyta</i> ) strains. <i>FEMS Microbiology Ecology</i> , 2016, 92, f1w096.	2.7	57
6	Analysis of vitamin E in food and phytopharmaceutical preparations by HPLC and HPLC-APCI-MS-MS. <i>Chromatographia</i> , 2001, 54, 179-185.	1.3	52
7	Drought affects the heat-hardening capacity of alpine plants as indicated by changes in xanthophyll cycle pigments, singlet oxygen scavenging, $\hat{1}^{\pm}$ -tocopherol and plant hormones. <i>Environmental and Experimental Botany</i> , 2017, 133, 159-175.	4.2	41
8	The non-photochemical quenching protein LHCSR3 prevents oxygen-dependent photoinhibition in <i>Chlamydomonas reinhardtii</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 2650-2660.	4.8	41
9	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 $\hat{1}^{\frac{1}{4}}$ -HPLC. <i>Current Medicinal Chemistry</i> , 2005, 12, 573-588.	2.4	40
10	<i>Chlamydomonas reinhardtii</i> responding to high light: a role for 2- $\hat{1}^{\epsilon}$ propenal (acrolein). <i>Physiologia Plantarum</i> , 2017, 161, 75-87.	5.2	38
11	Foliar Phenolic Compounds in Norway Spruce with Varying Susceptibility to <i>Chrysomyxa rhododendri</i> : Analyses of Seasonal and Infection-Induced Accumulation Patterns. <i>Frontiers in Plant Science</i> , 2017, 8, 1173.	3.6	36
12	Distress and eustress of reactive electrophiles and relevance to light stress acclimation via stimulation of thiol/disulphide-based redox defences. <i>Free Radical Biology and Medicine</i> , 2018, 122, 65-73.	2.9	36
13	Association genetics of phenolic needle compounds in Norway spruce with variable susceptibility to needle bladder rust. <i>Plant Molecular Biology</i> , 2017, 94, 229-251.	3.9	30
14	Capillary electrochromatography of boswellic acids in <i>Boswellia serrata</i> Roxb.. <i>Journal of Separation Science</i> , 2003, 26, 1383-1388.	2.5	28
15	Silica particles encapsulated poly(styrene-divinylbenzene) monolithic stationary phases for $\hat{1}^{\frac{1}{4}}$ -high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2006, 1132, 183-189.	3.7	26
16	Capillary electrochromatography of biologically relevant flavonoids. <i>Electrophoresis</i> , 2006, 27, 787-792.	2.4	25
17	Redox poise and metabolite changes in bread wheat seeds are advanced by priming with hot steam. <i>Biochemical Journal</i> , 2018, 475, 3725-3743.	3.7	25
18	Influence of the pore structure on the properties of silica based reversed phase packings for LC. <i>Journal of Separation Science</i> , 2005, 28, 313-324.	2.5	24

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19	Changes in low-molecular-weight thiol-disulphide redox couples are part of bread wheat seed germination and early seedling growth. <i>Free Radical Research</i> , 2017, 51, 568-581.	3.3	22
20	Plant Parasites under Pressure: Effects of Abiotic Stress on the Interactions between Parasitic Plants and Their Hosts. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7418.	4.1	21
21	Redox feedback regulation of ANAC089 signaling alters seed germination and stress response. <i>Cell Reports</i> , 2021, 35, 109263.	6.4	20
22	Abundance and Extracellular Release of Phytohormones in Aero-terrestrial Microalgae (Trebouxiophyceae, Chlorophyta) As a Potential Chemical Signaling Source 1. <i>Journal of Phycology</i> , 2020, 56, 1295-1307.	2.3	19
23	Abscisic acid-determined seed vigour differences do not influence redox regulation during ageing. <i>Biochemical Journal</i> , 2019, 476, 965-974.	3.7	18
24	Does oxygen affect ageing mechanisms of <i>Pinus densiflora</i> seeds? A matter of cytoplasmic physical state. <i>Journal of Experimental Botany</i> , 2022, 73, 2631-2649.	4.8	18
25	Hydrogen Peroxide Metabolism in Interkingdom Interaction Between Bacteria and Wheat Seeds and Seedlings. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 336-348.	2.6	15
26	High performance separation technologies and spectroscopic tools for plant extract characterization in phytomics. <i>Phytochemistry Reviews</i> , 2002, 1, 413-426.	6.5	13
27	RNA-Seq and secondary metabolite analyses reveal a putative defence-transcriptome in Norway spruce ( <i>Picea abies</i> ) against needle bladder rust ( <i>Chrysomyxa rhododendri</i> ) infection. <i>BMC Genomics</i> , 2020, 21, 336.	2.8	13
28	Analysis of isolectins on non-porous particles and monolithic polystyrene-divinylbenzene based stationary phases and electrospray ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2003, 223-224, 519-526.	1.5	10
29	Phytohormone release by three isolated lichen mycobionts and the effects of indole-3-acetic acid on their compatible photobionts. <i>Symbiosis</i> , 2020, 82, 95-108.	2.3	7
30	Quantitative Analysis of Salicylic Acid and its Derivatives in <i>Primulae radix</i> by High Performance Liquid Chromatography-Diode Array Detection- Electrospray Ionization Mass Spectrometry (HPLC-DAD-ESI-MS) and Simultaneous Determination of Total Polyphenol Content (TPC). <i>Current Analytical Chemistry</i> , 2014, 10, 271-279.	1.2	5
31	Advances in understanding Norway spruce natural resistance to needle bladder rust infection: transcriptional and secondary metabolites profiling. <i>BMC Genomics</i> , 2022, 23, .	2.8	2