

# Gerd U Balcke

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2621893/publications.pdf>

Version: 2024-02-01

11  
papers

654  
citations

1040056

9  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

1130  
citing authors

#	ARTICLE	IF	CITATIONS
1	An UPLC-MS/MS method for highly sensitive high-throughput analysis of phytohormones in plant tissues. <i>Plant Methods</i> , 2012, 8, 47.	4.3	150
2	Multi-Omics of Tomato Glandular Trichomes Reveals Distinct Features of Central Carbon Metabolism Supporting High Productivity of Specialized Metabolites. <i>Plant Cell</i> , 2017, 29, 960-983.	6.6	143
3	Elucidation of the biosynthesis of carnosic acid and its reconstitution in yeast. <i>Nature Communications</i> , 2016, 7, 12942.	12.8	122
4	Discovering Regulated Metabolite Families in Untargeted Metabolomics Studies. <i>Analytical Chemistry</i> , 2016, 88, 8082-8090.	6.5	72
5	Osmotic stress is accompanied by protein glycation in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 6283-6295.	4.8	47
6	Early responses of mature <i>Arabidopsis thaliana</i> plants to reduced water potential in the agar-based polyethylene glycol infusion drought model. <i>Journal of Plant Physiology</i> , 2017, 208, 70-83.	3.5	42
7	Pi starvation-dependent regulation of ethanolamine metabolism by phosphoethanolamine phosphatase PECP1 in <i>Arabidopsis</i> roots. <i>Journal of Experimental Botany</i> , 2018, 69, 467-481.	4.8	24
8	Does Protein Glycation Impact on the Drought-Related Changes in Metabolism and Nutritional Properties of Mature Pea ( <i>Pisum sativum</i> L.) Seeds?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 567.	4.1	20
9	Isoprenoid and Metabolite Profiling of Plant Trichomes. <i>Methods in Molecular Biology</i> , 2014, 1153, 189-202.	0.9	18
10	Dynamics of Reactive Carbonyl Species in Pea Root Nodules in Response to Polyethylene Glycol (PEG)-Induced Osmotic Stress. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2726.	4.1	7
11	At4g29530 is a phosphoethanolamine phosphatase homologous to PECP1 with a role in flowering time regulation. <i>Plant Journal</i> , 2021, 107, 1072-1083.	5.7	5