

# Stephan Krueger

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3189402/publications.pdf>

Version: 2024-02-01

17  
papers

2,148  
citations

623188

14  
h-index

887659

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

3219  
citing authors

#	ARTICLE	IF	CITATIONS
1	GMD@CSB.DB: the Golm Metabolome Database. <i>Bioinformatics</i> , 2005, 21, 1635-1638.	1.8	1,247
2	Serine in plants: biosynthesis, metabolism, and functions. <i>Trends in Plant Science</i> , 2014, 19, 564-569.	4.3	216
3	Analysis of cytosolic and plastidic serine acetyltransferase mutants and subcellular metabolite distributions suggests interplay of the cellular compartments for cysteine biosynthesis in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2009, 32, 349-367.	2.8	139
4	<i>Arabidopsis</i> Phosphoglycerate Dehydrogenase1 of the Phosphoserine Pathway Is Essential for Development and Required for Ammonium Assimilation and Tryptophan Biosynthesis. <i>Plant Cell</i> , 2014, 25, 5011-5029.	3.1	135
5	A Topological Map of the Compartmentalized <i>Arabidopsis thaliana</i> Leaf Metabolome. <i>PLoS ONE</i> , 2011, 6, e17806.	1.1	101
6	Analysis of Cytosolic and Plastidic Serine Acetyltransferase Mutants and Subcellular Metabolite Distributions Suggests Interplay of the Cellular Compartments for Cysteine Biosynthesis in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2008, 32, 349-67.	2.8	69
7	Analysis of the compartmentalized metabolome – a validation of the non-aqueous fractionation technique. <i>Frontiers in Plant Science</i> , 2011, 2, 55.	1.7	49
8	Analysis of Subcellular Metabolite Distributions Within <i>Arabidopsis thaliana</i> Leaf Tissue: A Primer for Subcellular Metabolomics. <i>Methods in Molecular Biology</i> , 2014, 1062, 575-596.	0.4	28
9	The Combined Loss of Triose Phosphate and Xylulose 5-Phosphate/Phosphate Translocators Leads to Severe Growth Retardation and Impaired Photosynthesis in <i>Arabidopsis thaliana</i> tpt/xpt Double Mutants. <i>Frontiers in Plant Science</i> , 2018, 9, 1331.	1.7	27
10	Transcriptional and Biochemical Characterization of Cytosolic Pyruvate Kinases in <i>Arabidopsis thaliana</i> . <i>Plants</i> , 2020, 9, 353.	1.6	27
11	Phosphoserine Aminotransferase1 Is Part of the Phosphorylated Pathways for Serine Biosynthesis and Essential for Light and Sugar-Dependent Growth Promotion. <i>Frontiers in Plant Science</i> , 2018, 9, 1712.	1.7	23
12	The phosphorylated pathway of serine biosynthesis links plant growth with nitrogen metabolism. <i>Plant Physiology</i> , 2021, 186, 1487-1506.	2.3	20
13	Deficiency in the Phosphorylated Pathway of Serine Biosynthesis Perturbs Sulfur Assimilation. <i>Plant Physiology</i> , 2019, 180, 153-170.	2.3	19
14	Subcellular distribution of raffinose oligosaccharides and other metabolites in summer and winter leaves of <i>Ajuga reptans</i> (Lamiaceae). <i>Planta</i> , 2015, 241, 229-241.	1.6	18
15	Sulfate Metabolism in <i>C<sub>4</sub> Flaveria</i> Species Is Controlled by the Root and Connected to Serine Biosynthesis. <i>Plant Physiology</i> , 2018, 178, 565-582.	2.3	17
16	Studying the Function of the Phosphorylated Pathway of Serine Biosynthesis in <i>Arabidopsis thaliana</i> . <i>Methods in Molecular Biology</i> , 2017, 1653, 227-242.	0.4	10
17	The phosphorylated pathway of serine biosynthesis is crucial for indolic glucosinolate biosynthesis and plant growth promotion conferred by the root endophyte <i>Colletotrichum tofieldiae</i> . <i>Plant Molecular Biology</i> , 2021, 107, 85-100.	2.0	3