

# Christian Schulze Gronover

## List of Publications by Year in descending order

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34  
papers

1,154  
citations

394421

19  
h-index

414414

32  
g-index

34  
all docs

34  
docs citations

34  
times ranked

901  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laticifer-Specific cis-Prenyltransferase Silencing Affects the Rubber, Triterpene, and Inulin Content of <i>Taraxacum brevicorniculatum</i> . <i>Plant Physiology</i> , 2012, 158, 1406-1417.	4.8	100
2	Characterization of rubber particles and rubber chain elongation in <i>Taraxacum koksaghyz</i> . <i>BMC Biochemistry</i> , 2010, 11, 11.	4.4	93
3	Polyphenoloxidase Silencing Affects Latex Coagulation in <i>Taraxacum</i> Species. <i>Plant Physiology</i> , 2009, 151, 334-346.	4.8	87
4	A rubber transferase activator is necessary for natural rubber biosynthesis in dandelion. <i>Nature Plants</i> , 2015, 1, .	9.3	81
5	Down-Regulation of Small Rubber Particle Protein Expression Affects Integrity of Rubber Particles and Rubber Content in <i>Taraxacum brevicorniculatum</i> . <i>PLoS ONE</i> , 2012, 7, e41874.	2.5	72
6	A Latex Metabolite Benefits Plant Fitness under Root Herbivore Attack. <i>PLoS Biology</i> , 2016, 14, e1002332.	5.6	71
7	Molecular Cloning and Characterization of Rubber Biosynthetic Genes from <i>Taraxacum koksaghyz</i> . <i>Plant Molecular Biology Reporter</i> , 2010, 28, 277-284.	1.8	67
8	Upregulating the mevalonate pathway and repressing sterol synthesis in <i>Saccharomyces cerevisiae</i> enhances the production of triterpenes. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 6923-6934.	3.6	65
9	Development of rubber-enriched dandelion varieties by metabolic engineering of the inulin pathway. <i>Plant Biotechnology Journal</i> , 2017, 15, 740-753.	8.3	58
10	Silencing and Heterologous Expression of <i>ppo-2</i> Indicate a Specific Function of a Single Polyphenol Oxidase Isoform in Resistance of Dandelion ( <i>Taraxacum officinale</i> ) Against <i>Pseudomonas syringae</i> pv. <i>tomato</i> . <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 200-210.	2.6	45
11	Identification of a <i>Taraxacum brevicorniculatum</i> rubber elongation factor protein that is localized on rubber particles and promotes rubber biosynthesis. <i>Plant Journal</i> , 2015, 82, 609-620.	5.7	44
12	Isoprenoid biosynthesis in dandelion latex is enhanced by the overexpression of three key enzymes involved in the mevalonate pathway. <i>BMC Plant Biology</i> , 2017, 17, 88.	3.6	41
13	The characteristics and potential applications of structural lipid droplet proteins in plants. <i>Journal of Biotechnology</i> , 2015, 201, 15-27.	3.8	39
14	Proteomic analysis of latex from the rubber-producing plant <i>Taraxacum brevicorniculatum</i> . <i>Proteomics</i> , 2012, 12, 901-905.	2.2	36
15	Molecular cloning of mevalonate pathway genes from <i>Taraxacum brevicorniculatum</i> and functional characterisation of the key enzyme 3-hydroxy-3-methylglutaryl-coenzyme A reductase. <i>Molecular Biology Reports</i> , 2012, 39, 4337-4349.	2.3	30
16	Abscisic Acid-Dependent Regulation of Small Rubber Particle Protein Gene Expression in <i>Taraxacum brevicorniculatum</i> is Mediated by TbbZIP1. <i>Plant and Cell Physiology</i> , 2013, 54, 448-464.	3.1	29
17	Uncovering mechanisms of rubber biosynthesis in <i>Taraxacum koksaghyz</i> cis-prenyltransferase-like 1 protein. <i>Plant Journal</i> , 2019, 100, 591-609.	5.7	26
18	Small rubber particle proteins from <i>Taraxacum brevicorniculatum</i> promote stress tolerance and influence the size and distribution of lipid droplets and artificial poly(cis-1,4-isoprene) bodies. <i>Plant Journal</i> , 2018, 93, 1045-1061.	5.7	25

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19	The enzymes OSC1 and CYP716A263 produce a high variety of triterpenoids in the latex of <i>Taraxacum koksaghyz</i> . <i>Scientific Reports</i> , 2019, 9, 5942.	3.3	24
20	Functional characterization of squalene synthase and squalene epoxidase in <i>Taraxacum koksaghyz</i> . <i>Plant Direct</i> , 2018, 2, e00063.	1.9	23
21	Loss of function mutation of the Rapid Alkalinization Factor (RALF1)-like peptide in the dandelion <i>Taraxacum koksaghyz</i> entails a high-biomass taproot phenotype. <i>PLoS ONE</i> , 2019, 14, e0217454.	2.5	16
22	Fertilizer and planting strategies to increase biomass and improve root morphology in the natural rubber producer <i>Taraxacum brevicorniculatum</i> . <i>Industrial Crops and Products</i> , 2012, 36, 289-293.	5.2	13
23	Comparative proteome and metabolome analyses of latex-exuding and non-exuding <i>Taraxacum koksaghyz</i> roots provide insights into laticifer biology. <i>Journal of Experimental Botany</i> , 2020, 71, 1278-1293.	4.8	13
24	Oxidosqualene Cyclase Knock-Down in Latex of <i>Taraxacum koksaghyz</i> Reduces Triterpenes in Roots and Separated Natural Rubber. <i>Molecules</i> , 2019, 24, 2703.	3.8	12
25	Combinatorial Metabolic Engineering in <i>Saccharomyces cerevisiae</i> for the Enhanced Production of the FPP-Derived Sesquiterpene Germacrene. <i>Bioengineering</i> , 2020, 7, 135.	3.5	9
26	Establishment of an ex vivo laticifer cell suspension culture from <i>Taraxacum brevicorniculatum</i> as a production system for cis-isoprene. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 103, 85-93.	1.8	8
27	Microscopic and Transcriptomic Analysis of Pollination Processes in Self-Incompatible <i>Taraxacum koksaghyz</i> . <i>Plants</i> , 2021, 10, 555.	3.5	8
28	Kinetics and modeling of cell growth for potential anthocyanin induction in cultures of <i>Taraxacum officinale</i> G.H. Weber ex Wiggers (Dandelion) in vitro. <i>Electronic Journal of Biotechnology</i> , 2018, 36, 15-23.	2.2	5
29	Signalling in <i>Botrytis cinerea</i> . , 2007, , 85-97.		5
30	<i>Taraxacum brevicorniculatum</i> rubber elongation factor TbREF associates with lipid droplets and affects lipid turn-over in yeast. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2018, 20, e00290.	4.4	4
31	A novel C <sup>4</sup> S lyase from the latex-producing plant <i>Taraxacum brevicorniculatum</i> displays alanine aminotransferase and L-cystine lyase activity. <i>Journal of Plant Physiology</i> , 2013, 170, 33-40.	3.5	2
32	Flavonol glycosides from aerial parts of <i>Astragalus thracicus</i> Griseb. <i>Phytochemistry Letters</i> , 2021, 41, 119-122.	1.2	2
33	Comparative Transcriptome Analysis in <i>Taraxacum koksaghyz</i> to Identify Genes that Determine Root Volume and Root Length. <i>Frontiers in Genetics</i> , 2021, 12, 784883.	2.3	1
34	Naturkautschuk aus Russischem L <sup>1</sup> wenzahn. , 2017, , 323-331.		0