# Alexander Graf

List of Publications by Year
in descending order



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|---|---|---|---|
| 34 papers | 2,862 citations | 236833 25 h-index | 377752 34 g-index |
| 35 all docs | 35 docs citations | 35 times ranked | 3772 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Circadian control of carbohydrate availability for growth inArabidopsisplants at night. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9458-9463. | 3.3 | 576 |
| 2 | Starch and the clock: the dark side of plant productivity. Trends in Plant Science, 2011, 16, 169-175. | 4.3 | 235 |
| 3 | Towards Functional Proteomics of Membrane Protein Complexes in Synechocystis sp. PCC 6803. Plant Physiology, 2004, 134, 470-481. | 2.3 | 166 |
| 4 | Callose Synthase GSL7 Is Necessary for Normal Phloem Transport and Inflorescence Growth in Arabidopsis Â Â. Plant Physiology, 2011, 155, 328-341. | 2.3 | 158 |
| 5 | Arabidopsis FORGETTER1 mediates stress-induced chromatin memory through nucleosome remodeling. ELife, 2016, 5, . | 2.8 | 152 |
| 6 | Circadian control of root elongation and C partitioning in Arabidopsis thaliana. Plant, Cell and Environment, 2011, 34, 877-894. | 2.8 | 145 |
| 7 | Arabidopsis plants perform arithmetic division to prevent starvation at night. ELife, 2013, 2, e00669. | 2.8 | 134 |
| 8 | Arabidopsis <scp>GERANYLGERANYL DIPHOSPHATE SYNTHASE</scp> 11 is a hub isozyme required for the production of most photosynthesisâ€related isoprenoids. New Phytologist, 2016, 209, 252-264. | 3.5 | 131 |
| 9 | Protein-protein interactions and metabolite channelling in the plant tricarboxylic acid cycle. Nature Communications, 2017, 8, 15212. | 5.8 | 103 |
| 10 | A Putative Phosphatase, LSF1, Is Required for Normal Starch Turnover in Arabidopsis Leaves. Plant Physiology, 2010, 152, 685-697. | 2.3 | 102 |
| 11 | The Extra-Pathway Interactome of the TCA Cycle: Expected and Unexpected Metabolic Interactions. Plant Physiology, 2018, 177, 966-979. | 2.3 | 81 |
| 12 | Photoperiodic control of the Arabidopsis proteome reveals a translational coincidence mechanism. Molecular Systems Biology, 2018, 14, e7962. | 3.2 | 74 |
| 13 | Glucan, Water Dikinase Exerts Little Control over Starch Degradation in Arabidopsis Leaves at Night Â Â. Plant Physiology, 2014, 165, 866-879. | 2.3 | 65 |
| 14 | The Starch Granule-Associated Protein EARLY STARVATION1 Is Required for the Control of Starch Degradation in Arabidopsis thaliana Leaves. Plant Cell, 2016, 28, 1472-1489. | 3.1 | 64 |
| 15 | Dynamic and spatial restriction of Polycomb activity by plant histone demethylases. Nature Plants, 2018, 4, 681-689. | 4.7 | 64 |
| 16 | Sfp-Type 4â€²-Phosphopantetheinyl Transferase Is Indispensable for Fungal Pathogenicity. Plant Cell, 2009, 21, 3379-3396. | 3.1 | 59 |
| 17 | PROMIS, global analysis of PROteinâ€“metabolite interactions using size separation in Arabidopsis thaliana. Journal of Biological Chemistry, 2018, 293, 12440-12453. | 1.6 | 55 |
| 18 | The control of flowering in time and space. Journal of Experimental Botany, 2006, 57, 3415-3418. | 2.4 | 53 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Parallel analysis ofArabidopsiscircadian clock mutants reveals different scales of transcriptome and proteome regulation. Open Biology, 2017, 7, 160333. | 1.5 | 52 |
| 20 | Both cold and sub-zero acclimation induce cell wall modification and changes in the extracellular proteome in Arabidopsis thaliana. Scientific Reports, 2019, 9, 2289. | 1.6 | 51 |
| 21 | A moonlighting role for enzymes of glycolysis in the co-localization of mitochondria and chloroplasts. Nature Communications, 2020, 11, 4509. | 5.8 | 47 |
| 22 | Temporal Proteomics of Inducible RNAi Lines of Clp Protease Subunits Identifies Putative Protease Substrates. Plant Physiology, 2018, 176, 1485-1508. | 2.3 | 37 |
| 23 | Interaction of 2',3'-cAMP with Rbp47b plays a role in stress granule formation. Plant Physiology, 2018, 177, pp.00285.2018. | 2.3 | 36 |
| 24 | Genetic buffering of cyclic <scp>AMP</scp> in Arabidopsis thaliana compromises the plant immune response triggered by an avirulent strain of Pseudomonas syringae pv. tomato. Plant Journal, 2019, 98, 590-606. | 2.8 | 32 |
| 25 | FORGETTER2 protein phosphatase and phospholipase D modulate heat stress memory in Arabidopsis. Plant Journal, 2020, 104, 7-17. | 2.8 | 29 |
| 26 | Constitutive cyclic GMP accumulation in Arabidopsis thaliana compromises systemic acquired resistance induced by an avirulent pathogen by modulating local signals. Scientific Reports, 2016, 6, 36423. | 1.6 | 27 |
| 27 | Topology of the redox network during induction of photosynthesis as revealed by time-resolved proteomics in tobacco. Science Advances, 2021, 7, eabi8307. | 4.7 | 27 |
| 28 | LIKE SEX4 1 Acts as a Î²-Amylase-Binding Scaffold on Starch Granules during Starch Degradation. Plant Cell, 2019, 31, 2169-2186. | 3.1 | 26 |
| 29 | Protein Complex Identification and quantitative complexome by CN-PAGE. Scientific Reports, 2019, 9, 11523. | 1.6 | 24 |
| 30 | Sulfur deficiency-induced genes affect seed protein accumulation and composition under sulfate deprivation. Plant Physiology, 2021, 187, 2419-2434. | 2.3 | 20 |
| 31 | Hit-Gel: Streamlining in-gel protein digestion for high-throughput proteomics experiments. Scientific Reports, 2018, 8, 8582. | 1.6 | 13 |
| 32 | Separation and Paired Proteome Profiling of Plant Chloroplast and Cytoplasmic Ribosomes. Plants, 2020, 9, 892. | 1.6 | 12 |
| 33 | AtRsgA from Arabidopsis thaliana is important for maturation of the small subunit of the chloroplast ribosome. Plant Journal, 2018, 96, 404-420. | 2.8 | 9 |
| 34 | A dominant mutation in Î²-AMYLASE1 disrupts nighttime control of starch degradation in Arabidopsis leaves. Plant Physiology, 2022, 188, 1979-1992. | 2.3 | 3 |