

Klaus Gase

List of Publications by Year in descending order

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17
papers

1,482
citations

623734

14
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888059

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18
all docs

18
docs citations

18
times ranked

1834
citing authors

#	ARTICLE	IF	CITATIONS
1	Nectar secretion requires sucrose phosphate synthases and the sugar transporter SWEET9. <i>Nature</i> , 2014, 508, 546-549.	27.8	352
2	Agrobacterium-mediated transformation of <i>Nicotiana attenuata</i> , a model ecological expression system. <i>Chemoecology</i> , 2002, 12, 177-183.	1.1	324
3	Wild tobacco genomes reveal the evolution of nicotine biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6133-6138.	7.1	160
4	Two-fold differences are the detection limit for determining transgene copy numbers in plants by real-time PCR. <i>BMC Biotechnology</i> , 2004, 4, 14.	3.3	145
5	Silencing Geranylgeranyl Diphosphate Synthase in <i>Nicotiana attenuata</i> Dramatically Impairs Resistance to Tobacco Hornworm. <i>Plant Physiology</i> , 2008, 146, 974-986.	4.8	85
6	Acyl Sugars Protect a Wild Tobacco from Both Native Fungal Pathogens and a Specialist Herbivore. <i>Plant Physiology</i> , 2017, 174, 370-386.	4.8	84
7	Occurrence of tetraploidy in <i>Nicotiana attenuata</i> plants after Agrobacterium-mediated transformation is genotype specific but independent of polysomaty of explant tissue. <i>Plant Cell Reports</i> , 2006, 25, 668-675.	5.6	68
8	Molecular evolution and diversification of the Argonaute family of proteins in plants. <i>BMC Plant Biology</i> , 2015, 15, 23.	3.6	49
9	Efficient screening of transgenic plant lines for ecological research. <i>Molecular Ecology Resources</i> , 2011, 11, 890-902.	4.8	47
10	An unbiased approach elucidates variation in (+)-linalool, a context-specific mediator of a tri-trophic interaction in wild tobacco. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14651-14660.	7.1	41
11	Argonaute 8 (AGO8) Mediates the Elicitation of Direct Defenses against Herbivory. <i>Plant Physiology</i> , 2017, 175, 927-946.	4.8	30
12	Changes in cytokinins are sufficient to alter developmental patterns of defense metabolites in <i>Nicotiana attenuata</i> . <i>Plant Journal</i> , 2017, 89, 15-30.	5.7	28
13	Transformational tools for next-generation plant ecology: manipulation of gene expression for the functional analysis of genes. <i>Plant Ecology and Diversity</i> , 2012, 5, 485-490.	2.4	22
14	Specific decorations of 17-hydroxygeranylinalool diterpene glycosides solve the autotoxicity problem of chemical defense in <i>Nicotiana attenuata</i> . <i>Plant Cell</i> , 2021, 33, 1748-1770.	6.6	18
15	Mate Selection in Self-Compatible Wild Tobacco Results from Coordinated Variation in Homologous Self-Incompatibility Genes. <i>Current Biology</i> , 2019, 29, 2020-2030.e5.	3.9	15
16	Functional specialization of <i>Nicotiana attenuata</i> phytochromes in leaf development and flowering time. <i>Journal of Integrative Plant Biology</i> , 2017, 59, 205-224.	8.5	10
17	California TRV-based VIGS vectors mediate gene silencing at elevated temperatures but with greater growth stunting. <i>BMC Plant Biology</i> , 2021, 21, 553.	3.6	3