Andreas A Gisel

List of Publications by Year
in descending order

36 papers	1,664 citations	430874 18 h-index	414414 32 g-index
38 all docs	38 docs citations	38 times ranked	1790 citing authors

#	Article	IF	Citations
1	PDB_REDO: automated re-refinement of X-ray structure models in the PDB. Journal of Applied Crystallography, 2009, 42, 376-384.	4.5	204
2	Small RNAs containing the pathogenic determinant of a chloroplastâ€replicating viroid guide the degradation of a host mRNA as predicted by RNA silencing. Plant Journal, 2012, 70, 991-1003.	5.7	192
3	RNA-Dependent RNA Polymerase 6 Delays Accumulation and Precludes Meristem Invasion of a Viroid That Replicates in the Nucleus. Journal of Virology, 2010, 84, 2477-2489.	3.4	147
4	Deep Sequencing of Viroid-Derived Small RNAs from Grapevine Provides New Insights on the Role of RNA Silencing in Plant-Viroid Interaction. PLoS ONE, 2009, 4, e7686.	2.5	130
5	Deep sequencing analysis of viral short RNAs from an infected Pinot Noir grapevine. Virology, 2010, 408, 49-56.	2.4	109
6	Specific Argonautes Selectively Bind Small RNAs Derived from Potato Spindle Tuber Viroid and Attenuate Viroid Accumulation <i>In Vivo</i>. Journal of Virology, 2014, 88, 11933-11945.	3.4	97
7	Viroids, the simplest RNA replicons: How they manipulate their hosts for being propagated and how their hosts react for containing the infection. Virus Research, 2015, 209, 136-145.	2.2	96
8	Deep Sequencing of the Small RNAs Derived from Two Symptomatic Variants of a Chloroplastic Viroid: Implications for Their Genesis and for Pathogenesis. PLoS ONE, 2009, 4, e7539.	2.5	82
9	Viroids: How to infect a host and cause disease without encoding proteins. Biochimie, 2012, 94, 1474-1480.	2.6	81
10	Leaf-to-shoot apex movement of symplastic tracer is restricted coincident with flowering in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1713-1717.	7.1	76
11	Citrus tristeza virus infection induces the accumulation of viral small RNAs (21â€“24-nt) mapping preferentially at the 3â€²-terminal region of the genomic RNA and affects the host small RNA profile. Plant Molecular Biology, 2011, 75, 607-619.	3.9	73
12	Cell-to-Cell and Systemic Movement of Recombinant Green Fluorescent Protein-Tagged Turnip Crinkle Viruses. Virology, 2000, 273, 258-266.	2.4	63
13	p53FamTaG: a database resource of human p53, p63 and p73 direct target genes combining in silico prediction and microarray data. BMC Bioinformatics, 2007, 8, S20.	2.6	57
14	Transient gene expression in vegetative shoot apical meristems of wheat after ballistic microtargeting. Plant Journal, 1993, 4, 735-744.	5.7	49
15	Metabolic profiles of six African cultivars of cassava (<i>Manihot esculenta</i> Crantz) highlight bottlenecks of root yield. Plant Journal, 2020, 102, 1202-1219.	5.7	27
16	miRNAs for the Detection of MultiDrug Resistance: Overview and Perspectives. Molecules, 2014, 19, 5611-5623.	3.8	24
17	Nuclear Localization of Turnip Crinkle Virus Movement Protein p8. Virology, 2000, 273, 276-285.	2.4	21
18	Auxin signaling and vascular cambium formation enable storage metabolism in cassava tuberous roots. Journal of Experimental Botany, 2021, 72, 3688-3703.	4.8	21

#	Article	IF	Citations
19	Gene transfer to inflorescence and flower meristems using ballistic micro-targeting. Sexual Plant Reproduction, 1994, 7, 135.	2.2	19
20	In vitro germination of wheat proembryos to fertile plants. Plant Cell Reports, 1994, 13, 377-80.	5.6	16
21	Transient expression of visible marker genes in meristem cells of wheat embryos after ballistic micro-targeting. Planta, 1993, 192, 84.	3.2	13
22	Degradome Analysis of Tomato and Nicotiana benthamiana Plants Infected with Potato Spindle Tuber Viroid. International Journal of Molecular Sciences, 2021, 22, 3725.	4.1	13
23	Set up from the beginning: The origin and early development of cassava storage roots. Plant, Cell and Environment, 2022, 45, 1779-1795.	5.7	11
24	Report of the EMBnet AGM 2011 Workshop. EMBnet Journal, 2011, 17, 3.	0.6	7
25	DNAfan: a software tool for automated extraction and analysis of user-defined sequence regions. Bioinformatics, 2004, 20, 3676-3679.	4.1	6
26	Gene analogue finder: a GRID solution for finding functionally analogous gene products. BMC Bioinformatics, 2007, 8, 329.	2.6	6
27	In situmonitoring of DNA: the plant nuclear envelope allows passage of short DNA fragments. Plant Journal, 1998, 16, 621-626.	5.7	5
28	The 20th anniversary of EMBnet: 20 years of bioinformatics for the Life Sciences community. BMC Bioinformatics, 2009, 10, S1.	2.6	5
29	Environmental responsiveness of flowering time in cassava genotypes and associated transcriptome changes. PLoS ONE, 2021, 16, e0253555.	2.5	4
30	The Multiverse of Plant Small RNAs: How Can We Explore It?. International Journal of Molecular Sciences, 2022, 23, 3979.	4.1	4
31	High-Throughput GRID Computing for Life Sciences. , 2012, , 821-840.		2
32	ICT needs and challenges for Big Data in the Life Sciences. A workshop report - SeqAhead/ISBE Workshop in Pula, Sardinia, Italy, 6 June 2013. EMBnet Journal, 2013, 19, 31.	0.6	1
33	Ten Simples Rules on How to Organise a Bioinformatics Hackathon. EMBnet Journal, 0, 26, e983.	0.6	0
34	EMBnet at ISCB - South America. EMBnet Journal, 2012, 18, 10.	0.6	0
35	InterOmics Tutorial - Tools and methods for the analysis of omics data and biodiversity. EMBnet Journal, 2014, 20, 759.	0.6	0
36	2014 Annual General Meeting â€“ Executive Board Report. EMBnet Journal, 2014, 20, 798.	0.6	0