Georg Jander

List of Publications by Year
in descending order

148 papers	16,727 citations	22153 59 h-index	17592 121 g-index
175 all docs	175 docs citations	175 times ranked	16347 citing authors

#	Article	IF	Citations
1	Plant Immunity to Insect Herbivores. Annual Review of Plant Biology, 2008, 59, 41-66.	18.7	1,975
2	Glucosinolate Metabolites Required for an <i>Arabidopsis</i> Innate Immune Response. Science, 2009, 323, 95-101.	12.6	1,037
3	Rapid transcriptional plasticity of duplicated gene clusters enables a clonally reproducing aphid to colonise diverse plant species. Genome Biology, 2017, 18, 27.	8.8	624
4	Arabidopsis Map-Based Cloning in the Post-Genome Era. Plant Physiology, 2002, 129, 440-450.	4.8	603
5	Positive Correlation between Virulence of <i>Pseudomonas aeruginosa</i> Mutants in Mice and Insects. Journal of Bacteriology, 2000, 182, 3843-3845.	2.2	475
6	Regulatory cascade controls virulence in Vibrio cholerae.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 5403-5407.	7.1	455
7	A pathway for disulfide bond formation in vivo.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 1038-1042.	7.1	415
8	Herbivory in the Previous Generation Primes Plants for Enhanced Insect Resistance Â Â. Plant Physiology, 2012, 158, 854-863.	4.8	394
9	Arabidopsis myrosinases TGG1 and TGG2 have redundant function in glucosinolate breakdown and insect defense. Plant Journal, 2006, 46, 549-562.	5.7	380
10	Transgenerational defense induction and epigenetic inheritance in plants. Trends in Ecology and Evolution, 2012, 27, 618-626.	8.7	329
11	Myzus persicae (green peach aphid) feeding on Arabidopsis induces the formation of a deterrent indole glucosinolate. Plant Journal, 2007, 49, 1008-1019.	5.7	327
12	Rewiring of jasmonate and phytochrome B signalling uncouples plant growth-defense tradeoffs. Nature Communications, 2016, 7, 12570.	12.8	323
13	Interdependence of threonine, methionine and isoleucine metabolism in plants: accumulation and transcriptional regulation under abiotic stress. Amino Acids, 2010, 39, 933-947.	2.7	305
14	The draft genome of whitefly Bemisia tabaci MEAM1, a global crop pest, provides novel insights into virus transmission, host adaptation, and insecticide resistance. BMC Biology, 2016, 14, 110.	3.8	265
15	Natural Variation in Maize Aphid Resistance Is Associated with 2,4-Dihydroxy-7-Methoxy-1,4-Benzoxazin-3-One Glucoside Methyltransferase Activity Â. Plant Cell, 2013, 25, 2341-2355.	6.6	251
16	<i>Myzus persicae</i> (green peach aphid) salivary components induce defence responses in <i>Arabidopsis thaliana</i>. Plant, Cell and Environment, 2009, 32, 1548-1560.	5.7	247
17	Suppression of Plant Defenses by a <i>Myzus persicae</i> (Green Peach Aphid) Salivary Effector Protein. Molecular Plant-Microbe Interactions, 2014, 27, 747-756.	2.6	236
18	A Global Coexpression Network Approach for Connecting Genes to Specialized Metabolic Pathways in Plants. Plant Cell, 2017, 29, 944-959.	6.6	225

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19	Identification of indole glucosinolate breakdown products with antifeedant effects on <i>Myzus persicae</i> (green peach aphid). Plant Journal, 2008, 54, 1015-1026.	5.7	219
20	Genomic insight into the amino acid relations of the pea aphid, <i>Acyrthosiphon pisum</i>, with its symbiotic bacterium <i>Buchnera aphidicola</i>. Insect Molecular Biology, 2010, 19, 249-258.	2.0	219
21	Comparative analysis of detoxification enzymes in <i>Acyrthosiphon pisum</i> and <i>Myzus persicae</i>. Insect Molecular Biology, 2010, 19, 155-164.	2.0	203
22	Indole glucosinolate breakdown and its biological effects. Phytochemistry Reviews, 2009, 8, 101-120.	6.5	202
23	Differential Effects of Indole and Aliphatic Glucosinolates on Lepidopteran Herbivores. Journal of Chemical Ecology, 2010, 36, 905-913.	1.8	196
24	Alteration of plant primary metabolism in response to insect herbivory. Plant Physiology, 2015, 169, pp.01405.2015.	4.8	195
25	Grass roots chemistry: <i>meta</i> -Tyrosine, an herbicidal nonprotein amino acid. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16964-16969.	7.1	183
26	The maize W22 genome provides a foundation for functional genomics and transposon biology. Nature Genetics, 2018, 50, 1282-1288.	21.4	183
27	Disruption of Ethylene Responses by <i>Turnip mosaic virus</i> Mediates Suppression of Plant Defense against the Green Peach Aphid Vector. Plant Physiology, 2015, 169, 209-218.	4.8	150
28	Ethylmethanesulfonate Saturation Mutagenesis in Arabidopsis to Determine Frequency of Herbicide Resistance. Plant Physiology, 2003, 131, 139-146.	4.8	145
29	Dynamic maize responses to aphid feeding are revealed by a time series of transcriptomic and metabolomic assays. Plant Physiology, 2015, 169, pp.01039.2015.	4.8	142
30	Evidence that the pathway of disulfide bond formation in Escherichia coli involves interactions between the cysteines of DsbB and DsbA.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 9895-9899.	7.1	141
31	Beyond Defense: Multiple Functions of Benzoxazinoids in Maize Metabolism. Plant and Cell Physiology, 2018, 59, 1528-1537.	3.1	140
32	The NIaâ€Pro protein of <i>Turnip mosaic virus</i> improves growth and reproduction of the aphid vector, <i>Myzus persicae</i> (green peach aphid). Plant Journal, 2014, 77, 653-663.	5.7	137
33	Abscisic acid-regulated protein degradation causes osmotic stress-induced accumulation of branched-chain amino acids in Arabidopsis thaliana. Planta, 2017, 246, 737-747.	3.2	134
34	Insecticide Resistance Mechanisms in the Green Peach Aphid Myzus persicae (Hemiptera: Aphididae) I: A Transcriptomic Survey. PLoS ONE, 2012, 7, e36366.	2.5	133
35	The role of protein effectors in plantâ€œaphid interactions. Current Opinion in Plant Biology, 2013, 16, 451-456.	7.1	130
36	Non-protein amino acids in plant defense against insect herbivores: Representative cases and opportunities for further functional analysis. Phytochemistry, 2011, 72, 1531-1537.	2.9	128

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37	Maize death acids, 9-lipoxygenaseâ€"derived cyclopente(a)nones, display activity as cytotoxic phytoalexins and transcriptional mediators. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11407-11412.	7.1	128
38	Indole-3-Acetonitrile Production from Indole Glucosinolates Deters Oviposition by<i>Pieris rapae</i>Â Â Â. Plant Physiology, 2008, 146, 916-926.	4.8	127
39	Biochemistry and molecular biology of Arabidopsisâ€"aphid interactions. BioEssays, 2007, 29, 871-883.	2.5	124
40	Application of a high-throughput HPLC-MS/MS assay toArabidopsismutant screening; evidence that threonine aldolase plays a role in seed nutritional quality. Plant Journal, 2004, 39, 465-475.	5.7	118
41	Genomic resources for Myzus persicae: EST sequencing, SNP identification, and microarray design. BMC Genomics, 2007, 8, 423.	2.8	116
42	Characterization of Biosynthetic Pathways for the Production of the Volatile Homoterpenes DMNT and TMTT in <i>Zea mays</i>. Plant Cell, 2016, 28, 2651-2665.	6.6	105
43	Signals Involved in Arabidopsis Resistance toTrichoplusia ni Caterpillars Induced by Virulent and Avirulent Strains of the Phytopathogen Pseudomonas syringae. Plant Physiology, 2002, 129, 551-564.	4.8	98
44	Recent Progress in Deciphering the Biosynthesis of Aspartate-Derived Amino Acids in Plants. Molecular Plant, 2010, 3, 54-65.	8.3	98
45	The glucosinolate breakdown product indoleâ€3â€carbinol acts as an auxin antagonist in roots of <i><scp>A</scp>rabidopsis thaliana</i>. Plant Journal, 2015, 82, 547-555.	5.7	98
46	Rapid defense responses in maize leaves induced by Spodoptera exigua caterpillar feeding. Journal of Experimental Botany, 2017, 68, 4709-4723.	4.8	98
47	The TASTY Locus on Chromosome 1 of Arabidopsis Affects Feeding of the Insect Herbivore Trichoplusia ni. Plant Physiology, 2001, 126, 890-898.	4.8	96
48	Characterization of seedâ€specific benzoyloxyglucosinolate mutations in <i>Arabidopsis thaliana</i>. Plant Journal, 2007, 51, 1062-1076.	5.7	90
49	Non-Volatile Intact Indole Glucosinolates are Host Recognition Cues for Ovipositing Plutella xylostella. Journal of Chemical Ecology, 2009, 35, 1427-1436.	1.8	89
50	Biosynthesis of 8-O-methylated benzoxazinoid defense compounds in maize. Plant Cell, 2016, 28, tpc.00065.2016.	6.6	87
51	The raison d'Ãªtre of chemical ecology. Ecology, 2015, 96, 617-630.	3.2	83
52	Aspartate-Derived Amino Acid Biosynthesis in<i>Arabidopsis thaliana</i>. The Arabidopsis Book, 2009, 7, e0121.	0.5	82
53	Natural Variation in Maize Defense against Insect Herbivores. Cold Spring Harbor Symposia on Quantitative Biology, 2012, 77, 269-283.	1.1	81
54	Two Arabidopsis Threonine Aldolases Are Nonredundant and Compete with Threonine Deaminase for a Common Substrate Pool. Plant Cell, 2007, 18, 3564-3575.	6.6	80

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55	Arabidopsis Methionine<i>Î³</i>-Lyase Is Regulated According to Isoleucine Biosynthesis Needs But Plays a Subordinate Role to Threonine Deaminase. Plant Physiology, 2009, 151, 367-378.	4.8	80
56	Biosynthesis and Defensive Function of <i>N</i> ÂÎ”-Acetylornithine, a Jasmonate-Induced <i>Arabidopsis</i> Metabolite Â. Plant Cell, 2011, 23, 3303-3318.	6.6	80
57	Metabolome-Scale Genome-Wide Association Studies Reveal Chemical Diversity and Genetic Control of Maize Specialized Metabolites. Plant Cell, 2019, 31, 937-955.	6.6	75
58	Additive effects of two quantitative trait loci that confer Rhopalosiphum maidis (corn leaf aphid) resistance in maize inbred line Mo17. Journal of Experimental Botany, 2015, 66, 571-578.	4.8	70
59	Pleiotropic physiological consequences of feedback-insensitive phenylalanine biosynthesis in Arabidopsis thaliana. Plant Journal, 2010, 63, 823-835.	5.7	69
60	Identification of the Serratia marcescens hemolysin determinant by cloning into Escherichia coli. Journal of Bacteriology, 1987, 169, 2113-2120.	2.2	66
61	RNA interference against gut osmoregulatory genes in phloem-feeding insects. Journal of Insect Physiology, 2015, 79, 105-112.	2.0	63
62	Abscisic acid deficiency increases defence responses against <i><scp>M</scp>yzus persicae</i> in <scp>A</scp>rabidopsis. Molecular Plant Pathology, 2016, 17, 225-235.	4.2	63
63	Transcriptomics reveals multiple resistance mechanisms against cotton leaf curl disease in a naturally immune cotton species, Gossypium arboreum. Scientific Reports, 2017, 7, 15880.	3.3	61
64	12-Oxo-Phytodienoic Acid Acts as a Regulator of Maize Defense against Corn Leaf Aphid. Plant Physiology, 2019, 179, 1402-1415.	4.8	61
65	Genome sequence of the corn leaf aphid (<i>Rhopalosiphum maidis</i>Fitch). GigaScience, 2019, 8, .	6.4	60
66	TECHNICAL ADVANCE: Indel arrays: an affordable alternative for genotyping. Plant Journal, 2007, 51, 727-737.	5.7	58
67	Convergent evolution of a metabolic switch between aphid and caterpillar resistance in cereals. Science Advances, 2018, 4, eaat6797.	10.3	58
68	Volatile communication in plantâ€“aphid interactions. Current Opinion in Plant Biology, 2010, 13, 366-371.	7.1	57
69	Specific and conserved patterns of microbiota-structuring by maize benzoxazinoids in the field. Microbiome, 2021, 9, 103.	11.1	57
70	Global patterns in genomic diversity underpinning the evolution of insecticide resistance in the aphid crop pest Myzus persicae. Communications Biology, 2021, 4, 847.	4.4	55
71	Changes in the free amino acid composition of Capsicum annuum (pepper) leaves in response to Myzus persicae (green peach aphid) infestation. A comparison with water stress. PLoS ONE, 2018, 13, e0198093.	2.5	54
72	Reduced activity of <i>Arabidopsis thaliana</i> HMT2, a methionine biosynthetic enzyme, increases seed methionine content. Plant Journal, 2008, 54, 310-320.	5.7	53

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73	Independent evolution of ancestral and novel defenses in a genus of toxic plants (Erysimum,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	6.0	52
74	Characterization of the Arabidopsis TU8 Glucosinolate Mutation,an Allele of TERMINAL FLOWER2. Plant Molecular Biology, 2004, 54, 671-682.	3.9	51
75	Engineering of benzylglucosinolate in tobacco provides proofâ€ofâ€concept for deadâ€end trap crops genetically modified to attract <i>Plutella xylostella</i> (diamondback moth). Plant Biotechnology Journal, 2012, 10, 435-442.	8.3	51
76	Matching the supply of bacterial nutrients to the nutritional demand of the animal host. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141163.	2.6	49
77	RNAi-Mediated Simultaneous Resistance Against Three RNA Viruses in Potato. Molecular Biotechnology, 2017, 59, 73-83.	2.4	49
78	Antibiosis against the green peach aphid requires the Arabidopsis thaliana MYZUS PERSICAE-INDUCED LIPASE1 gene. Plant Journal, 2010, 64, 800-811.	5.7	47
79	Genomic evidence for complementary purine metabolism in the pea aphid, <i>Acyrthosiphon pisum</i>, and its symbiotic bacterium <i>Buchnera aphidicola</i>. Insect Molecular Biology, 2010, 19, 241-248.	2.0	46
80	Alarm pheromone habituation in <i>Myzus persicae</i> has fitness consequences and causes extensive gene expression changes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14673-14678.	7.1	46
81	Two cysteines in each periplasmic domain of the membrane protein DsbB are required for its function in protein disulfide bond formation. EMBO Journal, 1994, 13, 5121-7.	7.8	46
82	Genetic mapping shows intraspecific variation and transgressive segregation for caterpillarâ€induced aphid resistance in maize. Molecular Ecology, 2015, 24, 5739-5750.	3.9	45
83	Arabidopsis NATA1 acetylates putrescine and decreases defense-related hydrogen peroxide accumulation. Plant Physiology, 2016, 171, pp.00446.2016.	4.8	45
84	A role for 9-lipoxygenases in maize defense against insect herbivory. Plant Signaling and Behavior, 2018, 13, e1422462.	2.4	44
85	Biotinylation in vivo as a sensitive indicator of protein secretion and membrane protein insertion. Journal of Bacteriology, 1996, 178, 3049-3058.	2.2	42
86	Adaptation to Nicotine Feeding in Myzus persicae. Journal of Chemical Ecology, 2014, 40, 869-877.	1.8	42
87	Ethylene signaling regulates natural variation in the abundance of antifungal acetylated diferuloylsucroses and <i>Fusarium graminearum</i> resistance in maize seedling roots. New Phytologist, 2019, 221, 2096-2111.	7.3	42
88	Molecular ecology of plant volatiles in interactions with insect herbivores. Journal of Experimental Botany, 2022, 73, 449-462.	4.8	42
89	A transgenic approach to control hemipteran insects by expressing insecticidal genes under phloem-specific promoters. Scientific Reports, 2016, 6, 34706.	3.3	41
90	The Tyrosine Aminomutase TAM1 Is Required for Î²-Tyrosine Biosynthesis in Rice. Plant Cell, 2015, 27, 1265-1278.	6.6	38

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91	Glucosinolates from Host Plants Influence Growth of the Parasitic Plant <i>Cuscuta gronovii</i> and Its Susceptibility to Aphid Feeding. Plant Physiology, 2016, 172, 181-197.	4.8	38
92	Maize Carbohydrate partitioning defective1 impacts carbohydrate distribution, callose accumulation, and phloem function. Journal of Experimental Botany, 2018, 69, 3917-3931.	4.8	38
93	Natural variation in the expression and catalytic activity of a naringenin 7â€<i>O</i>â€methyltransferase influences antifungal defenses in diverse rice cultivars. Plant Journal, 2020, 101, 1103-1117.	5.7	37
94	Accumulation of 5-hydroxynorvaline in maize (Zea mays) leaves is induced by insect feeding and abiotic stress. Journal of Experimental Botany, 2015, 66, 593-602.	4.8	36
95	Plant Interactions with Arthropod Herbivores: State of the Field. Plant Physiology, 2008, 146, 801-803.	4.8	31
96	meta-Tyrosine in Festuca rubra ssp. commutata (Chewings fescue) is synthesized by hydroxylation of phenylalanine. Phytochemistry, 2012, 75, 60-66.	2.9	31
97	Comparative analysis of genome sequences from four strains of the Buchnera aphidicola Mp endosymbion of the green peach aphid, Myzus persicae. BMC Genomics, 2013, 14, 917.	2.8	31
98	Adaptation to nicotine in the facultative tobaccoâ€feeding hemipteran <i>Bemisia tabaci</i>. Pest Management Science, 2014, 70, 1595-1603.	3.4	30
99	The catabolic enzyme methionine gammaâ€lyase limits methionine accumulation in potato tubers. Plant Biotechnology Journal, 2014, 12, 883-893.	8.3	30
100	Contribution of Glucosinolate Transport to<i>Arabidopsis</i>Defense Responses. Plant Signaling and Behavior, 2007, 2, 282-283.	2.4	29
101	Tandem gene arrays: a challenge for functional genomics. Trends in Plant Science, 2007, 12, 203-210.	8.8	29
102	Indoleâ€3â€glycerolphosphate synthase, a branchpoint for the biosynthesis of tryptophan, indole, and benzoxazinoids in maize. Plant Journal, 2021, 106, 245-257.	5.7	29
103	Disrupting Buchnera aphidicola, the endosymbiotic bacteria of Myzus persicae, delays host plant acceptance. Arthropod-Plant Interactions, 2015, 9, 529-541.	1.1	28
104	Aversion and attraction to harmful plant secondary compounds jointly shape the foraging ecology of a specialist herbivore. Ecology and Evolution, 2016, 6, 3256-3268.	1.9	28
105	Potato tuber herbivory increases resistance to aboveground lepidopteran herbivores. Oecologia, 2016, 182, 177-187.	2.0	27
106	Stable isotope studies reveal pathways for the incorporation of non-essential amino acids in <i>Acyrthosiphon pisum</i> (pea aphids). Journal of Experimental Biology, 2015, 218, 3797-3806.	1.7	23
107	Engineering pest tolerance through plant-mediated RNA interference. Current Opinion in Plant Biology, 2021, 60, 102029.	7.1	23
108	Metabolic engineering of Rhodopseudomonas palustris for the obligate reduction of n-butyrate to n-butanol. Biotechnology for Biofuels, 2017, 10, 178.	6.2	22

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109	Acylsugars protect Nicotiana benthamiana against insect herbivory and desiccation. Plant Molecular Biology, 2022, 109, 505-522.	3.9	20
110	Gene Identification and Cloning by Molecular Marker Mapping. , 2006, 323, 115-126.		19
111	Plants Under Attack. Plant Signaling and Behavior, 2007, 2, 527-529.	2.4	19
112	Timely plant defenses protect against caterpillar herbivory. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4343-4344.	7.1	19
113	Genome-Enabled Research on the Ecology of Plant-Insect Interactions. Plant Physiology, 2010, 154, 475-478.	4.8	18
114	New Synthesis: Investigating Mutualisms in Virus-Vector Interactions. Journal of Chemical Ecology, 2013, 39, 809-809.	1.8	18
115	Erysimum cheiranthoides, an ecological research system with potential as a genetic and genomic model for studying cardiac glycoside biosynthesis. Phytochemistry Reviews, 2018, 17, 1239-1251.	6.5	18
116	Ecological role of transgenerational resistance against biotic threats. Plant Signaling and Behavior, 2012, 7, 447-449.	2.4	17
117	Concurrent Overexpression of Arabidopsis thaliana Cystathionine Î³-Synthase and Silencing of Endogenous Methionine Î³-Lyase Enhance Tuber Methionine Content in Solanum tuberosum. Journal of Agricultural and Food Chemistry, 2017, 65, 2737-2742.	5.2	17
118	Near-isogenic lines for measuring phenotypic effects of DIMBOA-Glc methyltransferase activity in maize. Plant Signaling and Behavior, 2013, 8, e26779.	2.4	16
119	<i>Arabidopsis</i> ADC1 functions as an <i>N</i>^{Î´}â€acetylornithine decarboxylase. Journal of Integrative Plant Biology, 2020, 62, 601-613.	8.5	16
120	Engineering insect resistance using plant specialized metabolites. Current Opinion in Biotechnology, 2021, 70, 115-121.	6.6	16
121	In-planta expression of insecticidal proteins provides protection against lepidopteran insects. Scientific Reports, 2019, 9, 6745.	3.3	15
122	Silencing cathepsin L expression reduces <i>Myzus persicae</i> protein content and the nutritional value as prey for <i>Coccinella septempunctata</i>. Insect Molecular Biology, 2019, 28, 785-797.	2.0	15
123	Genetic mapping identifies a rice naringenin <i>O</i>â€glucosyltransferase that influences insect resistance. Plant Journal, 2021, 106, 1401-1413.	5.7	15
124	A sugarcane mosaic virus vector for rapid <i>in planta</i> screening of proteins that inhibit the growth of insect herbivores. Plant Biotechnology Journal, 2021, 19, 1713-1724.	8.3	12
125	Editorial: Physiological Aspects of Non-proteinogenic Amino Acids in Plants. Frontiers in Plant Science, 2020, 11, 519464.	3.6	11
126	Prevention and Control of Pests and Diseases. , 2006, 323, 13-26.		10

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127	Computational and biological characterization of fusion proteins of two insecticidal proteins for control of insect pests. Scientific Reports, 2018, 8, 4837.	3.3	10
128	<i>Fusarium graminearumâ€‹</i>induced shoot elongation and root reduction in maize seedlings correlate with later seedling blight severity. Plant Direct, 2018, 2, e00075.	1.9	10
129	Characterizing serotonin biosynthesis in Setaria viridis leaves and its effect on aphids. Plant Molecular Biology, 2022, 109, 533-549.	3.9	9
130	Genetic mapping identifies loci that influence tomato resistance against Colorado potato beetles. Scientific Reports, 2018, 8, 7429.	3.3	8
131	Less Is More: a Mutation in the Chemical Defense Pathway of Erysimum cheiranthoides (Brassicaceae) Reduces Total Cardenolide Abundance but Increases Resistance to Insect Herbivores. Journal of Chemical Ecology, 2020, 46, 1131-1143.	1.8	8
132	RNAi-mediated silencing of endogenous Vlnv gene confers stable reduction of cold-induced sweetening in potato (Solanum tuberosum L. cv. DÃ©sirÃ©e). Plant Biotechnology Reports, 2018, 12, 175-185.	1.5	7
133	Costs and Tradeoffs of Resistance and Tolerance to Belowground Herbivory in Potato. PLoS ONE, 2017, 12, e0169083.	2.5	6
134	Systemic disruption of the homeostasis of transfer RNA isopentenyltransferase causes growth and development abnormalities in <i>Bombyx mori</i>. Insect Molecular Biology, 2019, 28, 380-391.	2.0	6
135	New Synthesis -- Plant Defense Signaling: New Opportunities for Studying Chemical Diversity. Journal of Chemical Ecology, 2011, 37, 429-429.	1.8	5
136	<i>Tecia solanivora</i> infestation increases tuber starch accumulation in Pastusa Suprema potatoes. Journal of Integrative Plant Biology, 2018, 60, 1083-1096.	8.5	5
137	Phenolic sucrose esters: evolution, regulation, biosynthesis, and biological functions. Plant Molecular Biology, 2022, 109, 369-383.	3.9	5
138	Testing the Physiological Barriers to Viral Transmission in Aphids Using Microinjection. Journal of Visualized Experiments, 2008, , .	0.3	4
139	Choice and No-Choice Assays for Testing the Resistance of A. thaliana to Chewing Insects. Journal of Visualized Experiments, 2008, , .	0.3	3
140	Testing Nicotine Tolerance in Aphids Using an Artificial Diet Experiment. Journal of Visualized Experiments, 2008, , .	0.3	3
141	Introducing the USA Plant, Algae and Microbial Metabolomics Research Coordination Network (PAMM-NET). Metabolomics, 2015, 11, 3-5.	3.0	3
142	Comparison of in Vitro and in Planta Toxicity of Vip3A for Lepidopteran Herbivores. Journal of Economic Entomology, 2020, 113, 2959-2971.	1.8	3
143	Acropetal and basipetal cardenolide transport in Erysimum cheiranthoides (wormseed wallflower). Phytochemistry, 2021, 192, 112965.	2.9	3
144	Maize resistance to insect herbivory is enhanced by silencing expression of genes for jasmonateâ€isoleucine degradation using sugarcane mosaic virus. Plant Direct, 2022, 6, .	1.9	3

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145	Inhibition of Rhopalosiphum maidis (Corn Leaf Aphid) Growth on Maize by Virus-Induced Gene Silencing with Sugarcane Mosaic Virus. Methods in Molecular Biology, 2022, 2360, 139-153.	0.9	2
146	Identification of Î²-phenylalanine as a non-protein amino acid in cultivated rice, <i>Oryza sativa</i>. Communicative and Integrative Biology, 2015, 8, e1086045.	1.4	1
147	Rapid Screening of Myzus persicae (Green Peach Aphid) RNAi Targets Using Tobacco Rattle Virus. Methods in Molecular Biology, 2022, 2360, 105-117.	0.9	0
148	Insects Co-opt Host Genes to Overcome Plant Defences.. Faculty Reviews, 2022, 11, 10.	3.9	0