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## Variation of glucosinolate accumulation among different organs and developmental stages of *Arabidopsis thaliana*

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766	Functional analysis of the tandem-duplicated P450 genes SPS/BUS/CYP79F1 and CYP79F2 in glucosinolate biosynthesis and plant development by Ds transposition-generated double mutants. <b>2004</b> , 135, 840-8		57
765	Successful herbivore attack due to metabolic diversion of a plant chemical defense. <b>2004</b> , 101, 4859-64		375
764	Desulfoglucosinolate sulfotransferases from <i>Arabidopsis thaliana</i> catalyze the final step in the biosynthesis of the glucosinolate core structure. <b>2004</b> , 279, 50717-25		153
763	Chapter two The biochemical and molecular origins of aliphatic glucosinolate diversity in <i>Arabidopsis thaliana</i> . <b>2004</b> , 38, 19-38		1
762	Secondary metabolites and plant/environment interactions: a view through <i>Arabidopsis thaliana</i> tinged glasses. <i>Plant, Cell and Environment</i> , <b>2004</b> , 27, 675-684	8.4	261
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760	Volatiles released from cotton plants in response to <i>Helicoverpa zea</i> feeding damage on cotton flower buds. <b>2004</b> , 218, 824-32		80
759	Metabolic profiling of the <i>Arabidopsis</i> pkl mutant reveals selective derepression of embryonic traits. <b>2004</b> , 219, 489-99		38
758	Correlation of glucosinolate content to myrosinase activity in horseradish ( <i>Armoracia rusticana</i> ). <b>2004</b> , 52, 6950-5		56
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7 <sup>11</sup>	Suppression of <i>Digitaria sanguinalis</i> and <i>Amaranthus palmeri</i> using autumn-sown glucosinolate-producing cover crops in organically grown bell pepper. <b>2007</b> , 47, 425-432		36
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607	Two-phase resolution of polyploidy in the <i>Arabidopsis</i> metabolic network gives rise to relative and absolute dosage constraints. <b>2011</b> , 23, 1719-28	111
606	Glucosinolates profile of "mugnolo", a variety of <i>Brassica oleracea</i> L. native to southern Italy (Salento). <b>2011</b> , 77, 287-92	17

605	Effect of sucrose and mannitol on the accumulation of health-promoting compounds and the activity of metabolic enzymes in broccoli sprouts. <b>2011</b> , 128, 159-165		104
604	Effect of glucose on glucosinolates, antioxidants and metabolic enzymes in Brassica sprouts. <b>2011</b> , 129, 535-540		51
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597	Is the effect of priming plants, and a functional JAR1, negligible on the foraging behaviour and development of a generalist lepidopteran, Helicoverpa armigera?. <b>2011</b> , 141, 78-87		2
596	Insect herbivore counteradaptations to the plant glucosinolate-myrosinase system. <i>Phytochemistry</i> , <b>2011</b> , 72, 1566-75	4	186
595	A thiocyanate-forming protein generates multiple products upon allylglucosinolate breakdown in Thlaspi arvense. <i>Phytochemistry</i> , <b>2011</b> , 72, 1699-709	4	28
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591	Metabolomics of Arabidopsis Thaliana. <b>2011</b> , 157-180		6
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589	Glucosinolate content and myrosinase activity evolution in three maca (Lepidium meyenii Walp.) ecotypes during preharvest, harvest and postharvest drying. <i>Food Chemistry</i> , <b>2011</b> , 127, 1576-1583	8.5	56
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587	Pseudomonas sax genes overcome aliphatic isothiocyanate-mediated non-host resistance in Arabidopsis. <b>2011</b> , 331, 1185-8		144
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585	Metabolic engineering in Nicotiana benthamiana reveals key enzyme functions in Arabidopsis indole glucosinolate modification. <b>2011</b> , 23, 716-29		139
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578	UV-B irradiation changes specifically the secondary metabolite profile in broccoli sprouts: induced signaling overlaps with defense response to biotic stressors. <b>2012</b> , 53, 1546-60		163
577	CML42-mediated calcium signaling coordinates responses to Spodoptera herbivory and abiotic stresses in Arabidopsis. <b>2012</b> , 159, 1159-75		167
576	Crosstalk between above- and belowground herbivores is mediated by minute metabolic responses of the host Arabidopsis thaliana. <b>2012</b> , 63, 6199-210		50
575	Mixtures of plant secondary metabolites. 56-77		28
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573	Defence on demand: mechanisms behind optimal defence patterns. <b>2012</b> , 110, 1503-14		117
572	Benzoylation and sinapoylation of glucosinolate R-groups in Arabidopsis. <b>2012</b> , 72, 411-22		66
571	Metabolic and evolutionary costs of herbivory defense: systems biology of glucosinolate synthesis. <i>New Phytologist</i> , <b>2012</b> , 196, 596-605	9.8	117
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559	UVR8 mediates UV-B-induced Arabidopsis defense responses against Botrytis cinerea by controlling sinapate accumulation. <b>2012</b> , 5, 642-52		158
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548	Sulfur-containing secondary metabolites from <i>Arabidopsis thaliana</i> and other Brassicaceae with function in plant immunity. <b>2012, 13, 1846-59</b>		54
547	Species-specific responses of herbivores to within-plant and environmentally mediated between-plant variability in plant chemistry. <b>2012, 22, 101-111</b>		57
546	Relationships between nitrogen, dry matter accumulation and glucosinolates in <i>Eruca sativa</i> Mills. The applicability of the critical NO <sub>3</sub> -N levels approach. <b>2012, 354, 347-358</b>		11
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544	Possible evolution of alliarinamide biosynthesis from the glucosinolate pathway in <i>Alliaria petiolata</i> . <b>2012, 279, 1545-62</b>		15
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539	Engineering of benzylglucosinolate in tobacco provides proof-of-concept for dead-end trap crops genetically modified to attract <i>Plutella xylostella</i> (diamondback moth). <b>2012, 10, 435-42</b>		43
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534	Variation in glucosinolates in pak choi cultivars and various organs at different stages of vegetative growth during the harvest period. <b>2013, 14, 309-17</b>		17

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527	Genotypic variation of the glucosinolate profile in pak choi ( <i>Brassica rapa</i> ssp. <i>chinensis</i> ). <b>2013</b> , 61, 1943-53		58
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525	Evolution of flux control in the glucosinolate pathway in <i>Arabidopsis thaliana</i> . <b>2013</b> , 30, 14-23		43
524	The consequences of alternating diet on performance and food preferences of a specialist leaf beetle. <b>2013</b> , 59, 840-7		22
523	Desulfo-glucosinolate sulfotransferases isolated from several <i>Arabidopsis thaliana</i> ecotypes differ in their sequence and enzyme kinetics. <b>2013</b> , 63, 15-23		8
522	Ozone fumigation results in accelerated growth and persistent changes in the antioxidant system of <i>Brassica oleracea</i> L. var. <i>capitata</i> f. <i>alba</i> . <b>2013</b> , 170, 1259-66		19
521	Could abiotic environment shape fleshy fruit traits? A field study of the desert shrub <i>Ochradenus baccatus</i> . <b>2013</b> , 92, 34-41		14
520	Effects of phytohormones and jasmonic acid on glucosinolate content in hairy root cultures of <i>Sinapis alba</i> and <i>Brassica rapa</i> . <b>2013</b> , 169, 624-35		39
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518	Plant chemical defense: at what cost?. <b>2013</b> , 18, 250-8		212
517	Evaluation of glucosinolate variation in a collection of turnip ( <i>Brassica rapa</i> ) germplasm by the analysis of intact and desulfo glucosinolates. <b>2013</b> , 61, 3984-93		44
516	Patterns of secondary metabolite allocation to fruits and seeds in <i>Piper reticulatum</i> . <b>2013</b> , 39, 1373-84		26

515	High-resolution metabolic mapping of cell types in plant roots. <b>2013</b> , 110, E1232-41		102
514	Glucose signalling positively regulates aliphatic glucosinolate biosynthesis. <b>2013</b> , 64, 1097-109		64
513	Diurnal and light regulation of sulphur assimilation and glucosinolate biosynthesis in Arabidopsis. <b>2013</b> , 64, 1039-48		103
512	Homoeologous GSL-ELONG gene replacement for manipulation of aliphatic glucosinolates in Brassica rapa L. by marker assisted selection. <i>Frontiers in Plant Science</i> , <b>2013</b> , 4, 55	6.2	6
511	The physiological importance of glucosinolates on plant response to abiotic stress in Brassica. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 11607-25	6.3	200
510	Induced production of 1-methoxy-indol-3-ylmethyl glucosinolate by jasmonic acid and methyl jasmonate in sprouts and leaves of pak choi ( <i>Brassica rapa</i> ssp. <i>chinensis</i> ). <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 14996-5016	6.3	58
509	PRIME Update: innovative content for plant metabolomics and integration of gene expression and metabolite accumulation. <b>2013</b> , 54, e5		72
508	Four genes encoding MYB28, a major transcriptional regulator of the aliphatic glucosinolate pathway, are differentially expressed in the allopolyploid Brassica juncea. <b>2013</b> , 64, 4907-21		50
507	A trio of viral proteins tunes aphid-plant interactions in Arabidopsis thaliana. <b>2013</b> , 8, e83066		49
506	Genetic regulation of glucoraphanin accumulation in Benefort <sup>®</sup> broccoli. <i>New Phytologist</i> , <b>2013</b> , 198, 1085-1095	9.8	87
505	Targeted silencing of BjMYB28 transcription factor gene directs development of low glucosinolate lines in oilseed Brassica juncea. <b>2013</b> , 11, 855-66		58
504	Integration of biosynthesis and long-distance transport establish organ-specific glucosinolate profiles in vegetative Arabidopsis. <b>2013</b> , 25, 3133-45		109
503	Drought-induced trans-generational tradeoff between stress tolerance and defence: consequences for range limits?. <b>2013</b> , 5, plt038		15
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500	Glucosinolates in Two Endemic Plants of the Aurinia Genus and their Chemotaxonomic Significance. <b>2013</b> , 8, 1934578X1300801		4
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498	Identification of metabolic QTLs and candidate genes for glucosinolate synthesis in Brassica oleracea leaves, seeds and flower buds. <b>2014</b> , 9, e91428		36



497	Insect attraction versus plant defense: young leaves high in glucosinolates stimulate oviposition by a specialist herbivore despite poor larval survival due to high saponin content. <b>2014</b> , 9, e95766		58
496	. <b>2014</b> ,		12
495	Upon bolting the GTR1 and GTR2 transporters mediate transport of glucosinolates to the inflorescence rather than roots. <b>2014</b> , 9, e27740		24
494	The multi-protein family of sulfotransferases in plants: composition, occurrence, substrate specificity, and functions. <i>Frontiers in Plant Science</i> , <b>2014</b> , 5, 556	6.2	64
493	ER bodies in plants of the Brassicales order: biogenesis and association with innate immunity. <i>Frontiers in Plant Science</i> , <b>2014</b> , 5, 73	6.2	72
492	Elucidating the role of transport processes in leaf glucosinolate distribution. <b>2014</b> , 166, 1450-62		48
491	Influence of cultivar and fertilizer approach on curly kale ( <i>Brassica oleracea</i> L. var. <i>sabellica</i> ). 1. Genetic diversity reflected in agronomic characteristics and phytochemical concentration. <b>2014</b> , 62, 11393-402 <sup>18</sup>		
490	Reaktivit� und Stabilit� von Glucosinolaten und ihren Abbauprodukten in Lebensmitteln. <b>2014</b> , 126, 11614-11635		17
489	Linking phytochrome to plant immunity: low red:far-red ratios increase <i>Arabidopsis</i> susceptibility to <i>Botrytis cinerea</i> by reducing the biosynthesis of indolic glucosinolates and camalexin. <i>New Phytologist</i> , <b>2014</b> , 204, 342-54	9.8	47
488	Exploring the <i>Arabidopsis</i> sulfur metabolome. <b>2014</b> , 77, 31-45		47
487	The metabolism of methylsulfinylalkyl- and methylthioalkyl-glucosinolates by a selection of human gut bacteria. <b>2014</b> , 58, 875-83		57
486	Involvement of the electrophilic isothiocyanate sulforaphane in <i>Arabidopsis</i> local defense responses. <b>2015</b> , 167, 251-61		33
485	Involvement of a glucosinolate (sinigrin) in the regulation of water transport in <i>Brassica oleracea</i> grown under salt stress. <b>2014</b> , 150, 145-60		25
484	Topsoil drying combined with increased sulfur supply leads to enhanced aliphatic glucosinolates in <i>Brassica juncea</i> leaves and roots. <i>Food Chemistry</i> , <b>2014</b> , 152, 190-6	8.5	24
483	Feeding damage by <i>Bagrada hilaris</i> (Hemiptera: Pentatomidae) and impact on growth and chlorophyll content of Brassicaceous plant species. <b>2014</b> , 8, 89-100		43
482	Costs of Resistance in Plants: From Theory to Evidence. <b>2014</b> , 263-307		79
481	Chemical defenses (glucosinolates) of native and invasive populations of the range expanding invasive plant <i>Rorippa austriaca</i> . <b>2014</b> , 40, 363-70		10
480	MYB34, MYB51, and MYB122 distinctly regulate indolic glucosinolate biosynthesis in <i>Arabidopsis thaliana</i> . <b>2014</b> , 7, 814-28		195

479	Dynamic proteomics emphasizes the importance of selective mRNA translation and protein turnover during Arabidopsis seed germination. <b>2014</b> , 13, 252-68		94
478	Profiling of secondary metabolites in root exudates of Arabidopsis thaliana. <i>Phytochemistry</i> , <b>2014</b> , 108, 35-46	4	121
477	Developmental changes in leaf phenolics composition from three artichoke cvs. ( <i>Cynara scolymus</i> ) as determined via UHPLC-MS and chemometrics. <i>Phytochemistry</i> , <b>2014</b> , 108, 67-76	4	29
476	Sinigrin and sinalbin quantification in mustard seed using high performance liquid chromatography–time-of-flight mass spectrometry. <b>2014</b> , 35, 120-126		14
475	Evaluating extraction conditions of glucosinolate hydrolytic products from seeds of <i>Eruca sativa</i> (Mill.) Thell. using GC-MS. <b>2014</b> , 79, C1964-9		17
474	Glucosinolate-related glucosides in <i>Alliaria petiolata</i> : sources of variation in the plant and different metabolism in an adapted specialist herbivore, <i>Pieris rapae</i> . <b>2014</b> , 40, 1063-79		19
473	Variation in nickel accumulation in leaves, reproductive organs and floral rewards in two hyperaccumulating Brassicaceae species. <b>2014</b> , 383, 349-356		19
472	Reactivity and stability of glucosinolates and their breakdown products in foods. <b>2014</b> , 53, 11430-50		188
471	bHLH05 is an interaction partner of MYB51 and a novel regulator of glucosinolate biosynthesis in Arabidopsis. <b>2014</b> , 166, 349-69		71
470	Pronounced effects of slug herbivory on seedling recruitment of Brassica cultivars and accessions, especially those with low levels of aliphatic glucosinolates. <b>2014</b> , 15, 607-615		11
469	DELLA proteins modulate Arabidopsis defences induced in response to caterpillar herbivory. <b>2014</b> , 65, 571-83		28
468	Glucosinolate profile and distribution among plant tissues and phenological stages of field-grown horseradish. <i>Phytochemistry</i> , <b>2014</b> , 106, 178-187	4	37
467	A Multi-Layered Screening Method to Identify Plant Regulatory Genes. <b>2014</b> , 11, 293-303		0
466	Biofumigation potential of Brassicaceae cultivars to <i>Verticillium dahliae</i> . <b>2014</b> , 140, 341-352		42
465	Evolution in an ancient detoxification pathway is coupled with a transition to herbivory in the Drosophilidae. <b>2014</b> , 31, 2441-56		67
464	Functional identification of genes responsible for the biosynthesis of 1-methoxy-indol-3-ylmethyl-glucosinolate in <i>Brassica rapa</i> ssp. <i>chinensis</i> . <b>2014</b> , 14, 124		14
463	Concentration- and time-dependent effects of isothiocyanates produced from Brassicaceae shoot tissues on the pea root rot pathogen <i>Aphanomyces euteiches</i> . <b>2014</b> , 62, 4584-91		10
462	Effect of 2, 4-epibrassinolide on main health-promoting compounds in broccoli sprouts. <b>2014</b> , 58, 287-292		15

461	Glucoraphanin, sulforaphane and myrosinase activity in germinating broccoli sprouts as affected by growth temperature and plant organs. <b>2014</b> , 9, 70-77		68
460	Split dose fertilization with urea increases glucosinolate contents in white cabbage ( <i>Brassica oleracea</i> L. var. <i>capitata</i> ) under experimental pot conditions. <b>2014</b> , 168, 64-72		7
459	Metabolomic profiling and antioxidant activity of some <i>Acacia</i> species. <b>2014</b> , 21, 400-8		37
458	The role of glucosinolates and the jasmonic acid pathway in resistance of <i>Arabidopsis thaliana</i> against molluscan herbivores. <b>2014</b> , 23, 1188-1203		58
457	Elicitation: a tool for enriching the bioactive composition of foods. <b>2014</b> , 19, 13541-63		187
456	Sequential light programs shape kale ( <i>Brassica napus</i> ) sprout appearance and alter metabolic and nutrient content. <b>2014</b> , 1, 8		40
455	Effects of abscisic acid on glucosinolate content, isothiocyanate formation and myrosinase activity in cabbage sprouts. <b>2015</b> , 50, 1839-1846		11
454	Collard landraces are novel sources of glucoraphanin and other aliphatic glucosinolates. <b>2015</b> , 134, 350-355		6
453	Metabolomics Based on UPLC-QTOF/MS Applied for the Discrimination of <i>Cynanchum wilfordii</i> and <i>Cynanchum auriculatum</i> . <b>2015</b> , 05,		2
452	Comparison of Glucosinolate Profiles in Different Tissues of Nine Brassica Crops. <b>2015</b> , 20, 15827-41		88
451	The conserved transcription factors, MYB115 and MYB118, control expression of the newly evolved benzoyloxy glucosinolate pathway in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 343	6.2	24
450	The impact of the absence of aliphatic glucosinolates on water transport under salt stress in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 524	6.2	38
449	Allelopathic effects of glucosinolate breakdown products in Hanza [ <i>Boscia senegalensis</i> (Pers.) Lam.] processing waste water. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 532	6.2	8
448	Investigation of the multifunctional gene AOP3 expands the regulatory network fine-tuning glucosinolate production in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 762	6.2	10
447	Atmospheric H <sub>2</sub> S and SO <sub>2</sub> as sulfur source for <i>Brassica juncea</i> and <i>Brassica rapa</i> : impact on the glucosinolate composition. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 924	6.2	13
446	Diversified glucosinolate metabolism: biosynthesis of hydrogen cyanide and of the hydroxynitrile glucoside alliarinoside in relation to sinigrin metabolism in <i>Alliaria petiolata</i> . <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 926	6.2	19
445	Phytochemical variation: How to resolve the quality controversies of herbal medicinal products?. <b>2015</b> , 5, 118-127		29
444	Metal hyperaccumulation in Brassicaceae mediates defense against herbivores in the field and improves growth. <b>2015</b> , 157, 3-10		24

443	Three genes encoding AOP2, a protein involved in aliphatic glucosinolate biosynthesis, are differentially expressed in <i>Brassica rapa</i> . <b>2015</b> , 66, 6205-18		21
442	The IDA/IDA-LIKE and PIP/PIP-LIKE gene families in <i>Arabidopsis</i> : phylogenetic relationship, expression patterns, and transcriptional effect of the PIPL3 peptide. <b>2015</b> , 66, 5351-65		45
441	Glucosinolates in seeds, sprouts and seedlings of cabbage and black radish as sources of bioactive compounds. <b>2015</b> , 95, 681-687		2
440	Isolation and identification of 4- $\beta$ -rhamnosyloxy benzyl glucosinolate in <i>Noccaea caerulescens</i> showing intraspecific variation. <i>Phytochemistry</i> , <b>2015</b> , 110, 166-71	4	33
439	Ecotype variability in growth and secondary metabolite profile in <i>Moringa oleifera</i> : impact of sulfur and water availability. <b>2015</b> , 63, 2852-61		43
438	Quantification of plant surface metabolites by matrix-assisted laser desorption-ionization mass spectrometry imaging: glucosinolates on <i>Arabidopsis thaliana</i> leaves. <b>2015</b> , 81, 961-72		55
437	Within-plant distribution of 1,4-benzoxazin-3-ones contributes to herbivore niche differentiation in maize. <i>Plant, Cell and Environment</i> , <b>2015</b> , 38, 1081-93	8.4	36
436	<i>Isatis canescens</i> is a rich source of glucobrassicin and other health-promoting compounds. <b>2015</b> , 95, 158-64		11
435	Evaluating the impact of sprouting conditions on the glucosinolate content of <i>Brassica oleracea</i> sprouts. <i>Phytochemistry</i> , <b>2015</b> , 115, 252-60	4	40
434	Transcriptional networks governing plant metabolism. <b>2015</b> , 3-4, 56-64		24
433	Plant defence mechanisms and enzymatic transformation products and their potential applications in food preservation: Advantages and limitations. <b>2015</b> , 46, 49-59		20
432	Auxin and Tryptophan Homeostasis Are Facilitated by the ISS1/VAS1 Aromatic Aminotransferase in <i>Arabidopsis</i> . <b>2015</b> , 201, 185-99		12
431	Plant defence responses in oilseed rape MINELESS plants after attack by the cabbage moth <i>Mamestra brassicae</i> . <b>2015</b> , 66, 579-92		16
430	Bioactive maca ( <i>Lepidium meyenii</i> ) alkalimides are a result of traditional Andean postharvest drying practices. <i>Phytochemistry</i> , <b>2015</b> , 116, 138-148	4	62
429	Genomic origin, expression differentiation and regulation of multiple genes encoding CYP83A1, a key enzyme for core glucosinolate biosynthesis, from the allotetraploid <i>Brassica juncea</i> . <b>2015</b> , 241, 651-65		17
428	Quantitative evaluation of IAA conjugate pools in <i>Arabidopsis thaliana</i> . <b>2015</b> , 241, 539-48		10
427	Suppression of <i>Verticillium dahliae</i> by glucosinolate-containing seed meal amendments. <b>2015</b> , 142, 239-249		10
426	The cytosolic branched-chain aminotransferases of <i>Arabidopsis thaliana</i> influence methionine supply, salvage and glucosinolate metabolism. <b>2015</b> , 88, 119-31		13

425	The Glucosinolate Biosynthetic Gene AOP2 Mediates Feed-back Regulation of Jasmonic Acid Signaling in Arabidopsis. <b>2015</b> , 8, 1201-12		51
424	Transport of defense compounds from source to sink: lessons learned from glucosinolates. <b>2015</b> , 20, 508-14		67
423	Coselected genes determine adaptive variation in herbivore resistance throughout the native range of Arabidopsis thaliana. <b>2015</b> , 112, 4032-7		77
422	Indole Glucosinolate Biosynthesis Limits Phenylpropanoid Accumulation in Arabidopsis thaliana. <b>2015</b> , 27, 1529-46		70
421	Identification, quantification, spatiotemporal distribution and genetic variation of major latex secondary metabolites in the common dandelion ( <i>Taraxacum officinale</i> agg.). <i>Phytochemistry</i> , <b>2015</b> , 115, 89-98	4	48
420	The Formation, Structure and Activity of Phytochemicals. <b>2015</b> ,		2
419	Substantial reprogramming of the <i>Eutrema salsugineum</i> ( <i>Thellungiella salsuginea</i> ) transcriptome in response to UV and silver nitrate challenge. <b>2015</b> , 15, 137		17
418	Metabolic Analysis of Sulfur Metabolism During Leaf Senescence. <b>2015</b> , 99-105		0
417	Metabolism of Glucosinolates and Their Hydrolysis Products in Insect Herbivores. <b>2015</b> , 163-194		9
416	Deciphering priming-induced improvement of rapeseed ( <i>Brassica napus</i> L.) germination through an integrated transcriptomic and proteomic approach. <b>2015</b> , 231, 94-113		93
415	The Effects of Conventional and Non-conventional Processing on Glucosinolates and Its Derived Forms, Isothiocyanates: Extraction, Degradation, and Applications. <b>2015</b> , 7, 357-381		170
414	Decreased sulforaphene concentration and reduced myrosinase activity of radish ( <i>Raphanus sativus</i> L.) root during cold storage. <b>2015</b> , 100, 219-225		26
413	Metabolic Engineering of Aliphatic Glucosinolates in Hairy Root Cultures of Arabidopsis thaliana. <b>2015</b> , 33, 598-608		11
412	Quantitative Trait Loci Mapping and Candidate Gene Identification for Seed Glucosinolates in <i>Brassica rapa</i> L.. <b>2016</b> , 56, 942-956		3
411	Arabidopsis Myrosinase Genes AtTGG4 and AtTGG5 Are Root-Tip Specific and Contribute to Auxin Biosynthesis and Root-Growth Regulation. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	25
410	Insect Detoxification of Glucosinolates and Their Hydrolysis Products. <b>2016</b> , 80, 199-245		33
409	Complex Environments Interact With Plant Development to Shape Glucosinolate Profiles. <b>2016</b> , 80, 15-30		12
408	Effect of Drought on Herbivore-Induced Plant Gene Expression: Population Comparison for Range Limit Inferences. <i>Plants</i> , <b>2016</b> , 5,	4.5	4

407	The Lipopolysaccharide-Induced Metabolome Signature in <i>Arabidopsis thaliana</i> Reveals Dynamic Reprogramming of Phytoalexin and Phytoanticipin Pathways. <b>2016</b> , 11, e0163572		21
406	Augmenting Sulfur Metabolism and Herbivore Defense in <i>Arabidopsis</i> by Bacterial Volatile Signaling. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 458	6.2	55
405	Modification of Leaf Glucosinolate Contents in <i>Brassica oleracea</i> by Divergent Selection and Effect on Expression of Genes Controlling Glucosinolate Pathway. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1012	6.2	15
404	Fire and Brimstone: Molecular Interactions between Sulfur and Glucosinolate Biosynthesis in Model and Crop Brassicaceae. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1735	6.2	17
403	NSP-Dependent Simple Nitrile Formation Dominates upon Breakdown of Major Aliphatic Glucosinolates in Roots, Seeds, and Seedlings of Columbia-0. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1821	6.2	34
402	Differential induction of plant chemical defenses by parasitized and unparasitized herbivores: consequences for reciprocal, multitrophic interactions. <b>2016</b> , 125, 1398-1407		29
401	Diamondback moth performance and preference for leaves of <i>Brassica oleracea</i> of different ages and strata. <b>2016</b> , 140, 627-635		17
400	Effect of growth temperature on glucosinolate profiles in <i>Arabidopsis thaliana</i> accessions. <i>Phytochemistry</i> , <b>2016</b> , 130, 106-18	4	16
399	Aversion and attraction to harmful plant secondary compounds jointly shape the foraging ecology of a specialist herbivore. <b>2016</b> , 6, 3256-68		16
398	Glucosinolate Breakdown. <b>2016</b> , 125-169		42
397	Automation of chemical assignment for identifying molecular formula of S-containing metabolites by combining metabolomics and chemoinformatics with 34S labeling. <b>2016</b> , 12, 1		8
396	Cell wall composition and penetration resistance against the fungal pathogen <i>Colletotrichum higginsianum</i> are affected by impaired starch turnover in <i>Arabidopsis</i> mutants. <b>2017</b> , 68, 701-713		24
395	Glucose enhances indolic glucosinolate biosynthesis without reducing primary sulfur assimilation. <b>2016</b> , 6, 31854		27
394	The N-end rule pathway regulates pathogen responses in plants. <b>2016</b> , 6, 26020		30
393	Intraspecific variation in defense against a generalist lepidopteran herbivore in populations of <i>Eruca sativa</i> (Mill.). <b>2016</b> , 6, 363-74		9
392	Sulforaphene identified from radish ( <i>Raphanus sativus</i> L.) seeds possesses antimicrobial properties against multidrug-resistant bacteria and methicillin-resistant <i>Staphylococcus aureus</i> . <b>2016</b> , 24, 131-141		16
391	Dynamics of glucosinolate-myrosinase system during <i>Plutella xylostella</i> interaction to a novel host <i>Lepidium latifolium</i> L. <b>2016</b> , 250, 1-9		5
390	Something in the air? The impact of volatiles on mollusc attack of oilseed rape seedlings. <b>2016</b> , 117, 1073-82		9

389	Comparative analysis of MYB28 homologs and development of a MYB28-specific marker in Brassica napus L.. <b>2016</b> , 36, 1		3
388	Different Narrow-Band Light Ranges Alter Plant Secondary Metabolism and Plant Defense Response to Aphids. <b>2016</b> , 42, 989-1003		20
387	Spatio-Temporal Variation of Terpenoids in Wild Plants of Pentalinon´andrieuxii. <b>2016</b> , 13, 1521-1526		3
386	Major effects of glucosinolates and minor effects of erucic acid on predation of Brassica seeds by mice. <b>2016</b> , 17, 706-713		0
385	Effects of light-emitting diode treatments on Brevicoryne brassicae performance mediated by secondary metabolites in Brussels sprouts. <b>2016</b> , 123, 321-330		14
384	Glucosinolates from Host Plants Influence Growth of the Parasitic Plant Cuscuta gronovii and Its Susceptibility to Aphid Feeding. <b>2016</b> , 172, 181-97		30
383	Rhizosecretion of stele-synthesized glucosinolates and their catabolites requires GTR-mediated import in Arabidopsis. <b>2017</b> , 68, 3205-3214		15
382	Analysis and Quantification of Glucosinolates. <b>2016</b> , 1, 385-409		28
381	Glucosinolate diversity within a phylogenetic framework of the tribe Cardamineae (Brassicaceae) unraveled with HPLC-MS/MS and NMR-based analytical distinction of 70 desulfoglucosinolates. <i>Phytochemistry</i> , <b>2016</b> , 132, 33-56	4	42
380	Transcriptome and Metabolite analysis reveal candidate genes of the cardiac glycoside biosynthetic pathway from Calotropis procera. <b>2016</b> , 6, 34464		32
379	Methyl Transfer in Glucosinolate Biosynthesis Mediated by Indole Glucosinolate O-Methyltransferase 5. <b>2016</b> , 172, 2190-2203		32
378	Is protection against florivory consistent with the optimal defense hypothesis?. <b>2016</b> , 16, 32		17
377	Effect of atmospheric carbon dioxide levels and nitrate fertilization on glucosinolate biosynthesis in mechanically damaged Arabidopsis plants. <b>2016</b> , 16, 68		11
376	Influence of nitrogen and sulfur fertilization on glucosinolate content and composition of horseradish plants harvested at different developmental stages. <b>2016</b> , 38, 1		6
375	Pathogen-Responsive MPK3 and MPK6 Reprogram the Biosynthesis of Indole Glucosinolates and Their Derivatives in Arabidopsis Immunity. <b>2016</b> , 28, 1144-62		82
374	Regulatory and Functional Aspects of Indolic Metabolism in Plant Systemic Acquired Resistance. <b>2016</b> , 9, 662-681		40
373	Glucosinolates in broccoli (Brassica oleracea L. var. italica) as affected by postharvest temperature and radiation treatments. <b>2016</b> , 116, 16-25		39
372	A mode of action of glucosinolate-derived isothiocyanates: Detoxification depletes glutathione and cysteine levels with ramifications on protein metabolism in Spodoptera littoralis. <b>2016</b> , 71, 37-48		46

371	The rolB gene activates secondary metabolism in Arabidopsis calli via selective activation of genes encoding MYB and bHLH transcription factors. <b>2016</b> , 102, 70-9		24
370	Glucosinolate Desulfation by the Phloem-Feeding Insect Bemisia tabaci. <b>2016</b> , 42, 230-5		27
369	Root Glucosinolate Profiles for Screening of Radish (Raphanus sativus L.) Genetic Resources. <b>2016</b> , 64, 61-70		27
368	Nitrogen split dose fertilization, plant age and frost effects on phytochemical content and sensory properties of curly kale (Brassica oleracea L. var. sabellica). <i>Food Chemistry</i> , <b>2016</b> , 197, 530-8	8.5	19
367	Frugal chemoprevention: targeting Nrf2 with foods rich in sulforaphane. <b>2016</b> , 43, 146-153		90
366	Effects of light quality on main health-promoting compounds and antioxidant capacity of Chinese kale sprouts. <i>Food Chemistry</i> , <b>2016</b> , 196, 1232-8	8.5	101
365	Jasmonate response decay and defense metabolite accumulation contributes to age-regulated dynamics of plant insect resistance. <b>2017</b> , 8, 13925		111
364	Mild osmotic stress promotes 4-methoxy indolyl-3-methyl glucosinolate biosynthesis mediated by the MKK9-MPK3/MPK6 cascade in Arabidopsis. <b>2017</b> , 36, 543-555		11
363	KEAP1 and Done? Targeting the NRF2 Pathway with Sulforaphane. <b>2017</b> , 69, 257-269		128
362	Evolutionary responses to climate change in a range expanding plant. <b>2017</b> , 184, 543-554		13
361	Root and shoot glucosinolate allocation patterns follow optimal defence allocation theory. <b>2017</b> , 105, 1256-1266		24
360	Biosynthesis and bioactivity of glucosinolates and their production in plant in vitro cultures. <b>2017</b> , 246, 19-32		37
359	Brassica aphid (Hemiptera: Aphididae) populations are conditioned by climatic variables and parasitism level: a study case of Triângulo Mineiro, Brazil. <b>2017</b> , 107, 410-418		15
358	Metabolic profiling of glucosinolates and their hydrolysis products in a germplasm collection of Brassica rapa turnips. <b>2017</b> , 100, 392-403		39
357	Developmental age and UV-B exposure co-determine antioxidant capacity and flavonol accumulation in Arabidopsis leaves. <b>2017</b> , 140, 19-25		29
356	Regulation of Glucosinolate Metabolism: From Model Plant Arabidopsis thaliana to Brassica Crops. <b>2017</b> , 163-199		8
355	How does a plant orchestrate defense in time and space? Using glucosinolates in Arabidopsis as case study. <i>Current Opinion in Plant Biology</i> , <b>2017</b> , 38, 142-147	9.9	72
354	A Generalist Herbivore Copes with Specialized Plant Defence: the Effects of Induction and Feeding by Helicoverpa armigera (Lepidoptera: Noctuidae) Larvae on Intact Arabidopsis thaliana (Brassicales) Plants. <b>2017</b> , 43, 608-616		12



353	Albugo-imposed changes to tryptophan-derived antimicrobial metabolite biosynthesis may contribute to suppression of non-host resistance to <i>Phytophthora infestans</i> in <i>Arabidopsis thaliana</i> . <b>2017</b> , 15, 20		20
352	Exploring growth-defence trade-offs in <i>Arabidopsis</i> : phytochrome B inactivation requires JAZ10 to suppress plant immunity but not to trigger shade-avoidance responses. <i>Plant, Cell and Environment</i> , <b>2017</b> , 40, 635-644	8.4	35
351	Changes in rocket salad phytochemicals within the commercial supply chain: Glucosinolates, isothiocyanates, amino acids and bacterial load increase significantly after processing. <i>Food Chemistry</i> , <b>2017</b> , 221, 521-534	8.5	32
350	Arsenic affects the production of glucosinolate, thiol and phytochemical compounds: A comparison of two Brassica cultivars. <b>2017</b> , 111, 144-154		23
349	Sulforaphene in <i>Raphanus sativus</i> L. var. <i>caudatus</i> Alef increased in late-bolting stage as well as anticancer activity. <b>2017</b> , 7, 998-1004		9
348	Gamma radiation treatment activates glucomoringin synthesis in <i>Moringa oleifera</i> . <b>2017</b> , 27, 569-575		5
347	Plants are Not Sitting Ducks: Teaching Module on Plant Biochemical Interactions with Insects. <b>2017</b> , 46, 170001		1
346	Molecular constraints on resistance-tolerance trade-offs. <b>2017</b> , 98, 2528-2537		15
345	Translocation of heavy metals from soils into floral organs and rewards of <i>Cucurbita pepo</i> : Implications for plant reproductive fitness. <b>2017</b> , 145, 235-243		15
344	Short-term drought and long-term climate legacy affect production of chemical defenses among plant ecotypes. <b>2017</b> , 141, 124-131		4
343	Improvement of Glucosinolate in Cruciferous Crops. <b>2017</b> , 407-450		
342	A Straightforward Method for Glucosinolate Extraction and Analysis with High-pressure Liquid Chromatography (HPLC). <b>2017</b> ,		32
341	Metabolic Changes during Storage of <i>Brassica napus</i> Seeds under Moist Conditions and the Consequences for the Sensory Quality of the Resulting Virgin Oil. <b>2017</b> , 65, 11073-11084		4
340	Genetic Components of Root Architecture Remodeling in Response to Salt Stress. <b>2017</b> , 29, 3198-3213		80
339	Initiation of ER Body Formation and Indole Glucosinolate Metabolism by the Plastidial Retrograde Signaling Metabolite, MECPP. <b>2017</b> , 10, 1400-1416		20
338	Valorization of Vegetable Wastes. <b>2017</b> , 53-88		2
337	Feeding behaviour of generalist pests on <i>Brassica juncea</i> : implication for manipulation of glucosinolate biosynthesis pathway for enhanced resistance. <i>Plant, Cell and Environment</i> , <b>2017</b> , 40, 2109-2120	8.4	12
336	Nutritional compound analysis and morphological characterization of spider plant ( <i>Cleome gynandra</i> ) - an African indigenous leafy vegetable. <b>2017</b> , 100, 284-295		29

335	Effects of salt stress imposed during two growth phases on cauliflower production and quality. <b>2017</b> , 97, 1552-1560		22
334	Changes in cytokinins are sufficient to alter developmental patterns of defense metabolites in <i>Nicotiana attenuata</i> . <b>2017</b> , 89, 15-30		17
333	PYK10 myrosinase reveals a functional coordination between endoplasmic reticulum bodies and glucosinolates in <i>Arabidopsis thaliana</i> . <b>2017</b> , 89, 204-220		72
332	Effects of seed priming, salinity and methyl jasmonate treatment on bioactive composition of <i>Brassica oleracea</i> var. capitata (white and red varieties) sprouts. <b>2017</b> , 97, 2291-2299		25
331	Costs of Resistance in Plants: From Theory to Evidence. <b>2017</b> , 263-307		10
330	. <b>2017</b> ,		4
329	Evaluation of the Nutritional Quality of Chinese Kale ( <i>Brassica alboglabra</i> Bailey) Using UHPLC-Quadrupole-Orbitrap MS/MS-Based Metabolomics. <b>2017</b> , 22,		22
328	Is a Potential Major Regulator of Glucosinolate Content across Developmental Stages of (Brassicaceae). <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 876	6.2	14
327	Molecular Characterization of MYB28 Involved in Aliphatic Glucosinolate Biosynthesis in Chinese Kale ( var. Bailey). <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1083	6.2	13
326	Isothiocyanates, Nitriles, and Epithionitriles from Glucosinolates Are Affected by Genotype and Developmental Stage in Varieties. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1095	6.2	63
325	Enriching Glucoraphanin in Through Replacement of with Non-functional Genes. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1329	6.2	9
324	How Glucosinolates Affect Generalist Lepidopteran Larvae: Growth, Development and Glucosinolate Metabolism. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1995	6.2	58
323	Glucosinolate-Derived Isothiocyanates Inhibit <i>Arabidopsis</i> Growth and the Potency Depends on Their Side Chain Structure. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	23
322	Rapid Separation of Indole Glucosinolates in Roots of Chinese Cabbage ( Subsp. <i>Pekinensis</i> ) by High-Performance Liquid Chromatography with Diode Array Detection. <b>2017</b> , 2017, 5125329		11
321	Testing the optimal defense hypothesis in nature: Variation for glucosinolate profiles within plants. <b>2017</b> , 12, e0180971		18
320	Can narrow-bandwidth light from UV-A to green alter secondary plant metabolism and increase <i>Brassica</i> plant defenses against aphids?. <b>2017</b> , 12, e0188522		15
319	The Environmental Fluctuations of some Bioactive Nutraceutical Compounds in <i>Zilla spinosa</i> Inhabiting Arid Habitats. <b>2017</b> , 9, 494-502		
318	Origin and evolution of transporter substrate specificity within the NPF family. <b>2017</b> , 6,		48

3 <sup>17</sup>	Genome-wide nucleotide diversity and associations with geography, ploidy level and glucosinolate profiles in <i>Aethionema arabicum</i> (Brassicaceae). <b>2018</b> , 304, 619-630		8
3 <sup>16</sup>	Plasticity of plant defense and its evolutionary implications in wild populations of <i>Boechera stricta</i> . <b>2018</b> , 72, 1034-1049		21
3 <sup>15</sup>	Different vegetative growth stages of Kimchi cabbage ( <i>Brassica rapa</i> L.) exhibit specific glucosinolate composition and content. <b>2018</b> , 59, 355-362		4
3 <sup>14</sup>	Mechanisms of glacial-to-future atmospheric CO effects on plant immunity. <i>New Phytologist</i> , <b>2018</b> , 218, 752-761	9.8	17
3 <sup>13</sup>	Midge (Diptera: Cecidomyiidae) injury to Brassicaceae in field trials in northeastern Saskatchewan, Canada. <b>2018</b> , 150, 637-651		3
3 <sup>12</sup>	Reduced Arogenate Dehydratase Expression: Ramifications for Photosynthesis and Metabolism. <b>2018</b> , 177, 115-131		7
3 <sup>11</sup>	Effects of application timing of saline irrigation water on broccoli production and quality. <b>2018</b> , 203, 97-104		23
3 <sup>10</sup>	Prevention of fungal spoilage in food products using natural compounds: A review. <b>2018</b> , 58, 2002-2016		32
3 <sup>09</sup>	Impact of chloride (NaCl, KCl) and sulphate (Na <sub>2</sub> SO <sub>4</sub> , K <sub>2</sub> SO <sub>4</sub> ) salinity on glucosinolate metabolism in <i>Brassica rapa</i> . <b>2018</b> , 204, 137-146		26
3 <sup>08</sup>	Knock-Down of the Phosphoserine Phosphatase Gene Effects Rather N- Than S-Metabolism in. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 1830	6.2	4
3 <sup>07</sup>	The Photorespiratory Gene Mutation Alters Sulfur Assimilation and Its Crosstalk With Carbon and Nitrogen Metabolism in. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 1709	6.2	10
3 <sup>06</sup>	Iron is a centrally bound cofactor of specifier proteins involved in glucosinolate breakdown. <b>2018</b> , 13, e0205755		16
3 <sup>05</sup>	Metabolomics of <i>Arabidopsis Thaliana</i> . <b>2018</b> , 157-180		0
3 <sup>04</sup>	A naturally occurring variation in the gene is associated with aliphatic glucosinolate accumulation in leaves. <b>2018</b> , 5, 69		8
3 <sup>03</sup>	Production of bioactive cyclotides in somatic embryos of <i>Viola odorata</i> . <i>Phytochemistry</i> , <b>2018</b> , 156, 135-141		9
3 <sup>02</sup>	Benzyl Cyanide Leads to Auxin-Like Effects Through the Action of Nitrilases in. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 1240	6.2	9
3 <sup>01</sup>	Locally and systemically induced glucosinolates follow optimal defence allocation theory upon root herbivory. <i>Functional Ecology</i> , <b>2018</b> , 32, 2127-2137	5.6	9
3 <sup>00</sup>	Chemistry of Himalayan Phytochemicals. <b>2018</b> , 121-166		8

299	The Effect of Single and Multiple SERAT Mutants on Serine and Sulfur Metabolism. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 702	6.2	6
298	Elevated CO and O alter the feeding efficiency of <i>Acyrtosiphon pisum</i> and <i>Aphis craccivora</i> via changes in foliar secondary metabolites. <b>2018</b> , 8, 9964		7
297	Insecticidal properties of <i>Solanum nigrum</i> and <i>Armoracia rusticana</i> extracts on reproduction and development of <i>Drosophila melanogaster</i> . <b>2018</b> , 162, 454-463		9
296	Challenges in Optimal Utilization of Bioactive Molecules Clinically. <b>2018</b> , 1-28		
295	Genotypic Variation of Glucosinolates and Their Breakdown Products in Leaves of <i>Brassica rapa</i> . <b>2018</b> , 66, 5481-5490		24
294	Extended darkness induces internal turnover of glucosinolates in <i>Arabidopsis thaliana</i> leaves. <b>2018</b> , 13, e0202153		11
293	Isothiocyanates from Brassica Vegetables-Effects of Processing, Cooking, Mastication, and Digestion. <b>2018</b> , 62, e1701069		45
292	Food Sources of Antidiabetic Phenolic Compounds. <b>2019</b> , 45-82		1
291	A highly resolved food web for insect seed predators in a species-rich tropical forest. <b>2019</b> , 22, 1638-1649		23
290	Sequence analysis of BocAOP2.1 gene in cabbage. <b>2019</b> ,		
289	Role of Phenolic Phytochemicals in Diabetes Management. <b>2019</b> ,		3
288	Compatibility Potential of Brassica Species and Mustard Seed Meal with <i>Pseudomonas fluorescens</i> for Biological Control of Soilborne Plant Diseases. <b>2019</b> , 217-231		1
287	Individual and interactive effects of herbivory on plant fitness: endopolyploidy as a driver of genetic variation in tolerance and resistance. <b>2019</b> , 190, 847-856		5
286	Exploring the basis of 2-propenyl and 3-butenyl glucosinolate synthesis by QTL mapping and RNA-sequencing in <i>Brassica juncea</i> . <b>2019</b> , 14, e0220597		4
285	The Biosynthesis of Glucosinolates: Insights, Inconsistencies, and Unknowns. <b>2019</b> , 969-1000		6
284	Nutritional Quality Improvement in Plants. <b>2019</b> ,		1
283	Induced production of indol-3-ylmethyl glucosinolates in hairy roots of Chinese cabbage ( <i>Brassica rapa</i> subsp. <i>pekinensis</i> ): perspectives to enhance the content of bioactive compounds. <b>2019</b> , 49-56		1
282	Glucosinolate Content in Dormant and Germinating Seeds Is Affected by Non-Functional Alleles of Classical Myrosinase and Nitrile-Specifier Protein Genes. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 1549	6.2	10

281	Evolutionary constraint on low elevation range expansion: Defense-abiotic stress-tolerance trade-off in crosses of the ecological model. <b>2019</b> , 9, 11532-11544		7
280	Natural Variation of Glucosinolates and Their Breakdown Products in Broccoli ( var) Seeds. <b>2019</b> , 67, 12528-12537		18
279	Negative Regulation of Age-Related Developmental Leaf Senescence by the IAOx Pathway, PEN1, and PEN3. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 1202	6.2	2
278	Metabolic Changes and Increased Levels of Bioactive Compounds in White Radish ( <i>Raphanus sativus</i> L. cv. 01) Sprouts Elicited by Oligochitosan. <b>2019</b> , 9, 467		6
277	Correction to: Aphid-induction of defence-related metabolites in <i>Arabidopsis thaliana</i> is dependent upon density, aphid species and duration of infestation. <b>2019</b> , 13, 805-806		
276	Leaf metabolic signatures induced by real and simulated herbivory in black mustard ( <i>Brassica nigra</i> ). <b>2019</b> , 15, 130		13
275	Atypical Myrosinase as a Mediator of Glucosinolate Functions in Plants. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 1008	6.2	26
274	Challenges in Optimal Utilization of Bioactive Molecules Clinically. <b>2019</b> , 109-136		3
273	Leaf Endoplasmic Reticulum Bodies Identified in <i>Arabidopsis</i> Rosette Leaves Are Involved in Defense against Herbivory. <b>2019</b> , 179, 1515-1524		34
272	Effects of 5-aminolevulinic Acid on the Bioactive Compounds and Seedling Growth of Oilseed Rape ( <i>Brassica napus</i> L.). <b>2019</b> , 62, 181-194		3
271	Genetic architecture of glucosinolate variation in <i>Brassica napus</i> . <b>2019</b> , 240, 152988		19
270	The Structure and Function of Major Plant Metabolite Modifications. <b>2019</b> , 12, 899-919		103
269	Glucosinolate variability between turnip organs during development. <b>2019</b> , 14, e0217862		6
268	Chemodiversity of the Glucosinolate-Myrosinase System at the Single Cell Type Resolution. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 618	6.2	25
267	Glucosinolate Distribution in the Aerial Parts of , a Disruption Mutant of the Sulfate Transporter SULTR1;2, in Mature Plants. <i>Plants</i> , <b>2019</b> , 8,	4.5	6
266	Remobilization and fate of sulphur in mustard. <b>2019</b> , 124, 471-480		4
265	The Ca Channel CNGC19 Regulates <i>Arabidopsis</i> Defense Against <i>Spodoptera</i> Herbivory. <b>2019</b> , 31, 1539-1562		52
264	[Biosynthesis of indole glucosinolates and ecological role of secondary modification pathways]. <b>2019</b> , 342, 58-80		1

263	Effects of light conditions on growth and defense compound contents of <i>Datura innoxia</i> and <i>D. stramonium</i> . <b>2019</b> , 132, 473-480		4
262	Postharvest variation of major glucosinolate and their hydrolytic products in <i>Brassicoraphanus</i> 'BB1'. <b>2019</b> , 154, 70-78		11
261	Interspecific Differences in the Larval Performance of <i>Pieris</i> Butterflies (Lepidoptera: Pieridae) Are Associated with Differences in the Glucosinolate Profiles of Host Plants. <b>2019</b> , 19,		5
260	Sodium chloride primes JA-independent defense against ( <i>Fabricius</i> ) larvae in. <b>2019</b> , 14, 1607466		3
259	Transcriptional Reprogramming of Defence Pathways by the Entomopathogen Correlates With Resistance Against a Fungal Pathogen but Not Against Insects. <b>2019</b> , 10, 615		20
258	Transcriptome reveals the gene expression patterns of sulforaphane metabolism in broccoli florets. <b>2019</b> , 14, e0213902		6
257	Postharvest storage and cooking techniques affect the stability of glucosinolates and myrosinase activity of Andean mashua tubers ( <i>Tropaeolum tuberosum</i> ). <b>2019</b> , 54, 2387-2395		5
256	Antagonistic selection and pleiotropy constrain the evolution of plant chemical defenses. <b>2019</b> , 73, 947-960		11
255	Methyl jasmonate, salicylic acid and abscisic acid enhance the accumulation of glucosinolates and sulforaphane in radish ( <i>Raphanus sativus</i> L.) taproot. <b>2019</b> , 250, 159-167		9
254	L.: Glucosinolate Profile and Biological Potential. <b>2019</b> , 24,		16
253	Tritrophic metabolism of plant chemical defenses and its effects on herbivore and predator performance. <b>2019</b> , 8,		20
252	CIRCADIAN CLOCK-ASSOCIATED1 Controls Resistance to Aphids by Altering Indole Glucosinolate Production. <b>2019</b> , 181, 1344-1359		20
251	Scribbling the Cat: A Case of the "Miracle" Plant,. <i>Plants</i> , <b>2019</b> , 8,	4.5	14
250	Nutrient Levels in Brassicaceae Microgreens Increase Under Tailored Light-Emitting Diode Spectra. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 1475	6.2	25
249	Quantification of Total Glucosinolates and Isothiocyanates for Common Brassicaceous Vegetables Consumed in the US Market Using Cyclocondensation and Thiocyanate Ion Measurement Methods. <b>2019</b> , 3, 313-321		4
248	Coordination of Glucosinolate Biosynthesis and Turnover Under Different Nutrient Conditions. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 1560	6.2	21
247	Health-promoting phytochemicals and antioxidant capacity in different organs from six varieties of Chinese kale. <b>2019</b> , 9, 20344		18
246	Simultaneous direct determination of 15 glucosinolates in eight Brassica species by UHPLC-Q-Orbitrap-MS. <i>Food Chemistry</i> , <b>2019</b> , 282, 127-133	8.5	26

245	Relationship between conversion rate of glucosinolates to isothiocyanates/indoles and genotoxicity of individual parts of Brassica vegetables. <b>2019</b> , 245, 383-400		13
244	Two-tier morpho-chemical defence tactic in <i>Aethionema</i> via fruit morph plasticity and glucosinolates allocation in diaspores. <i>Plant, Cell and Environment</i> , <b>2019</b> , 42, 1381-1392	8.4	4
243	Epigenetic mapping of the metabolome reveals mediators of the epigenotype-phenotype map. <b>2019</b> , 29, 96-106		13
242	Plant glucosinolate content increases susceptibility to diamondback moth (Lepidoptera: Plutellidae) regardless of its diet. <b>2020</b> , 93, 491-506		8
241	Expression profiles of glucosinolate biosynthetic genes in turnip ( <i>Brassica rapa</i> var. <i>rapa</i> ) at different developmental stages and effect of transformed flavin-containing monooxygenase genes on hairy root glucosinolate content. <b>2020</b> , 100, 1064-1071		5
240	Growth and glucosinolate profiles of a common Asian green leafy vegetable, <i>Brassica rapa</i> subsp. <i>chinensis</i> var. <i>parachinensis</i> (choy sum), under LED lighting. <b>2020</b> , 261, 108922		16
239	Overexpression of HMG-CoA synthase promotes <i>Arabidopsis</i> root growth and adversely affects glucosinolate biosynthesis. <b>2020</b> , 71, 272-289		6
238	Distribution of primary and secondary metabolites among the leaf layers of headed cabbage ( <i>Brassica oleracea</i> var. <i>capitata</i> ). <i>Food Chemistry</i> , <b>2020</b> , 312, 126028	8.5	13
237	Regulation of Sugar and Storage Oil Metabolism by Phytochrome during De-etiolation. <b>2020</b> , 182, 1114-1129		6
236	Differential partitioning of thiols and glucosinolates between shoot and root in Chinese cabbage upon excess zinc exposure. <b>2020</b> , 244, 153088		6
235	Differential expression of major genes involved in the biosynthesis of aliphatic glucosinolates in intergeneric <i>Baemoochae</i> (Brassicaceae) and its parents during development. <b>2020</b> , 102, 171-184		13
234	Molecular targets in cancer prevention by 4-(methylthio)butyl isothiocyanate - A comprehensive review. <b>2020</b> , 241, 117061		9
233	The dilemma of <i>glucosinolates</i> and the potential to regulate their content. <b>2020</b> , 1-45		2
232	Glucosinolate structural diversity, identification, chemical synthesis and metabolism in plants. <i>Phytochemistry</i> , <b>2020</b> , 169, 112100	4	150
231	Proteomic and metabolic profile analysis of low-temperature storage responses in <i>Ipomoea batata</i> Lam. tuberous roots. <b>2020</b> , 20, 435		4
230	The Garden Candytuft ( <i>Iberis umbellata</i> L.): At the Crossroad of Copper Accumulation and Glucosinolates. <b>2020</b> , 8, 1116		1
229	The Molecular Basis of Host Selection in a Crucifer-Specialized Moth. <b>2020</b> , 30, 4476-4482.e5		13
228	Glucosinolate catabolism during postharvest drying determines the ratio of bioactive macamides to deaminated benzenoids in <i>Lepidium meyenii</i> (maca) root flour. <i>Phytochemistry</i> , <b>2020</b> , 179, 112502	4	1

227	Sequence Analysis of BocAOP2.2 Gene in Cabbage. <b>2020</b> , 1549, 032034		
226	Effects of Light-Emitting Diodes on the Accumulation of Phenolic Compounds and Glucosinolates in Brassica juncea Sprouts. <b>2020</b> , 6, 77		9
225	Phytochemical and Biological Activity Studies on (Watercress) Microshoot Cultures Grown in RITA Temporary Immersion Systems. <b>2020</b> , 25,		7
224	Glucosinolate Biosynthesis and the Glucosinolate-Myrosinase System in Plant Defense. <b>2020</b> , 10, 1786		21
223	An Integrated Metabolomics Study of Glucosinolate Metabolism in Different Brassicaceae Genera. <b>2020</b> , 10,		6
222	Chemical Priming by Isothiocyanates Protects Against Intoxication by Products of the Mustard Oil Bomb. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 887	6.2	3
221	Glucosinolate Content in Brassica Genetic Resources and Their Distribution Pattern within and between Inner, Middle, and Outer Leaves. <i>Plants</i> , <b>2020</b> , 9,	4.5	4
220	Morphologically and physiologically diverse fruits of two <i>Lepidium</i> species differ in allocation of glucosinolates into immature and mature seed and pericarp. <b>2020</b> , 15, e0227528		1
219	Effect of experimental DNA demethylation on phytohormones production and palatability of a clonal plant after induction via jasmonic acid. <b>2020</b> , 129, 1867-1876		1
218	Detoxification of plant defensive glucosinolates by an herbivorous caterpillar is beneficial to its endoparasitic wasp. <b>2020</b> , 29, 4014-4031		11
217	Growth, Nutritional Quality and Health-Promoting Compounds in Chinese Kale Grown under Different Ratios of Red:Blue LED Lights. <b>2020</b> , 10, 1248		6
216	Identification of MAM1s in Regulation of 3C Glucosinolates Accumulation in Allopolyploid Brassica juncea. <b>2020</b> , 6, 409-418		0
215	Sequence Analysis of BocAOP2.3 Gene in Cabbage. <b>2020</b> , 1549, 032035		
214	A Comprehensive Gene Inventory for Glucosinolate Biosynthetic Pathway in. <b>2020</b> , 68, 7281-7297		25
213	Exploring Uncharted Territories of Plant Specialized Metabolism in the Postgenomic Era. <b>2020</b> , 71, 631-658		39
212	Characterization of Arabidopsis CYP79C1 and CYP79C2 by Glucosinolate Pathway Engineering in Shows Substrate Specificity Toward a Range of Aliphatic and Aromatic Amino Acids. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 57	6.2	10
211	In Substrate Recognition and Tissue- as Well as Plastid Type-Specific Expression Define the Roles of Distinct Small Subunits of Isopropylmalate Isomerase. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 808	6.2	1
210	Harvesting at different time-points of day affects glucosinolate metabolism during postharvest storage of broccoli. <b>2020</b> , 136, 109529		6



209	Biological Effects of Glucosinolate Degradation Products from Horseradish: A Horse that Wins the Race. <b>2020</b> , 10,		13
208	Sulfur Deficiency-Induced Glucosinolate Catabolism Attributed to Two $\beta$ -Glucosidases, BGLU28 and BGLU30, is Required for Plant Growth Maintenance under Sulfur Deficiency. <b>2020</b> , 61, 803-813		15
207	Glucosinolate Abundance and Composition in Brassicaceae Influence Sequestration in a Specialist Flea Beetle. <b>2020</b> , 46, 186-197		9
206	Exploring glucosinolates diversity in Brassicaceae: a genomic and chemical assessment for deciphering abiotic stress tolerance. <b>2020</b> , 150, 151-161		10
205	Endoplasmic reticulum-derived bodies enable a single-cell chemical defense in Brassicaceae plants. <b>2020</b> , 3, 21		13
204	The dynamic response of the Arabidopsis root metabolome to auxin and ethylene is not predicted by changes in the transcriptome. <b>2020</b> , 10, 679		10
203	Microwave-Assisted versus Conventional Isolation of Glucosinolate Degradation Products from L. and Their Cytotoxic Activity. <b>2020</b> , 10,		7
202	Performance of cabbage stem flea beetle larvae ( <i>Psylliodes chrysocephala</i> ) in brassicaceous plants and the effect of glucosinolate profiles. <b>2020</b> , 168, 200-208		4
201	Involvement of BGLU30 in Glucosinolate Catabolism in the Arabidopsis Leaf under Dark Conditions. <b>2020</b> , 61, 1095-1106		2
200	Molecular authentication and phytochemical assessment of <i>Ruscus hyrcanus</i> Woron. ( <i>Asparagaceae</i> ) based on trnH-psbA barcoding and HPLC-PDA analysis. <b>2020</b> , 25, 101585		2
199	FRS7 and FRS12 recruit NINJA to regulate expression of glucosinolate biosynthesis genes. <i>New Phytologist</i> , <b>2020</b> , 227, 1124-1137	9.8	7
198	Diverse Allyl Glucosinolate Catabolites Independently Influence Root Growth and Development. <b>2020</b> , 183, 1376-1390		10
197	Stability and bioaccessibility during ex vivo digestion of glucoraphenin and glucoraphasatin from <i>Matthiola incana</i> (L.) R. Br.. <b>2020</b> , 90, 103483		2
196	Effect of Thermal Processing on Key Phytochemical Compounds in Green Leafy Vegetables: A Review. <b>2020</b> , 1-29		9
195	-Derived Anticancer Agents: Towards a Green Approach to Beat Cancer. <b>2020</b> , 12,		19
194	Root-type ferredoxin-NADP oxidoreductase isoforms in <i>Arabidopsis thaliana</i> : Expression patterns, location and stress responses. <i>Plant, Cell and Environment</i> , <b>2021</b> , 44, 548-558	8.4	0
193	Characterization of glucosinolates in 80 broccoli genotypes and different organs using UHPLC-Triple-TOF-MS method. <i>Food Chemistry</i> , <b>2021</b> , 334, 127519	8.5	18
192	Genome-wide association mapping for key seed metabolites using a large panel of natural and derived forms of <i>Brassica rapa</i> L.. <b>2021</b> , 159, 113073		0

191	Effect of temperature and insect herbivory on the regulation of glucosinolate-myrosinase system in <i>Lepidium latifolium</i> . <b>2021</b> , 172, 53-63		3
190	Specialized metabolites in seeds. <b>2021</b> , 35-70		2
189	Resource allocation strategies among vegetative growth, sexual reproduction, asexual reproduction and defense during growing season of <i>Aconitum kusnezoffii</i> Reichb. <b>2021</b> , 105, 957-977		3
188	Evolutionary changes in the glucosinolate biosynthetic capacity in species representing <i>Capsella</i> , <i>Camelina</i> and <i>Neslia</i> genera. <i>Phytochemistry</i> , <b>2021</b> , 181, 112571	4	6
187	Blue and UV-A light wavelengths positively affected accumulation profiles of healthy compounds in pak-choi. <b>2021</b> , 101, 1676-1684		7
186	Full Issue PDF. <b>2021</b> , 1, 1-74		
185	Effect of Photoperiod on Chinese Kale () Sprouts Under White or Combined Red and Blue Light. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 589746	6.2	8
184	Quantitative Proteomics and Phosphoproteomics Support a Role for Mut9-Like Kinases in Multiple Metabolic and Signaling Pathways in <i>Arabidopsis</i> . <b>2021</b> , 20, 100063		3
183	Distinct <i>Arabidopsis</i> Responses to Two Generalist Caterpillar Species Differing in Host Breadth. <b>2021</b> , 1, 21-39		1
182	Effect of different growth stages of rapeseed ( <i>brassica rapa</i> L.) on nutrient intake and digestibility, nitrogen balance, and rumen fermentation kinetics in sheep diets. <b>2021</b> , 20, 698-706		2
181	Multiple indole glucosinolates and myrosinases defend <i>Arabidopsis</i> against <i>Tetranychus urticae</i> herbivory.		1
180	Environmental Conditions and Agronomical Factors Influencing the Levels of Phytochemicals in Brassica Vegetables Responsible for Nutritional and Sensorial Properties. <b>2021</b> , 11, 1927		6
179	ADAP is a possible negative regulator of glucosinolate biosynthesis in <i>Arabidopsis thaliana</i> based on clustering and gene expression analyses. <b>2021</b> , 134, 327-339		3
178	Cross-Species Metabolic Profiling of Floral Specialized Metabolism Facilitates Understanding of Evolutional Aspects of Metabolism Among Brassicaceae Species. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 640141	6.2	1
177	Differential glucosinolate profiles of radish leaves in response to postharvest drying treatment. <b>2021</b> , 62, 581-592		1
176	Black Rot Disease Decreases Young Brassica oleracea Plants' Biomass but Has No Effect in Adult Plants. <b>2021</b> , 11, 569		2
175	Engineering and optimization of the 2-phenylethylglucosinolate production in <i>Nicotiana benthamiana</i> by combining biosynthetic genes from <i>Barbarea vulgaris</i> and <i>Arabidopsis thaliana</i> . <b>2021</b> , 106, 978-992		1
174	Temperature mitigation strategies in <i>Lepidium latifolium</i> L., a sleeper weed from Ladakh himalayas. <b>2021</b> , 184, 104352		

173	Retrograde sulfur flow from glucosinolates to cysteine in. <b>2021</b> , 118,		13
172	Adaptations of <i>Plutella xylostella</i> adult females and larvae to waxy host plants. 1		0
171	Jasmonic acid regulating glucosinolates-myrosinase system of cabbage sprouts. <b>2021</b> , 86, 197-204		
170	Genetic variation, environment and demography intersect to shape <i>Arabidopsis</i> defense metabolite variation across Europe. <b>2021</b> , 10,		10
169	GTR1 and GTR2 transporters differentially regulate tissue-specific glucosinolate contents and defence responses in the oilseed crop <i>Brassica juncea</i> . <i>Plant, Cell and Environment</i> , <b>2021</b> , 44, 2729-2743	8.4	4
168	Glucosinolate profiles and phylogeny in <i>Barbarea</i> compared to other tribe <i>Cardamineae</i> ( <i>Brassicaceae</i> ) and <i>Reseda</i> ( <i>Resedaceae</i> ), based on a library of ion trap HPLC-MS/MS data of reference desulfoglucosinolates. <i>Phytochemistry</i> , <b>2021</b> , 185, 112658	4	5
167	Bioengineering potato plants to produce benzylglucosinolate for improved broad-spectrum pest and disease resistance. <b>2021</b> , 30, 649-660		0
166	Comparison of glucosinolate diversity in the crucifer tribe <i>Cardamineae</i> and the remaining order <i>Brassicales</i> highlights repetitive evolutionary loss and gain of biosynthetic steps. <i>Phytochemistry</i> , <b>2021</b> , 185, 112668	4	6
165	Herbivore feeding behavior validates optimal defense theory for specialized metabolites within plants.		
164	Metabolic profiling reveals an increase in stress-related metabolites in <i>Arabidopsis thaliana</i> exposed to honeybees. <b>2021</b> , 64, 141-151		
163	Water Deficiency and Induced Defense Against a Generalist Insect Herbivore in Desert and Mediterranean Populations of <i>Eruca sativa</i> . <b>2021</b> , 47, 768-776		0
162	Multiple indole glucosinolates and myrosinases defend <i>Arabidopsis</i> against <i>Tetranychus urticae</i> herbivory. <b>2021</b> , 187, 116-132		2
161	Identification of a Sulfatase that Detoxifies Glucosinolates in the Phloem-Feeding Insect and Prefers Indolic Glucosinolates. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 671286	6.2	3
160	Irrigation timing as a glucosinolate alteration factor in radish ( <i>Raphanus sativus</i> L.) (Gya Labuk and Tsentay Labuk) in the Indian Trans-Himalayan region of Ladakh. <b>2021</b> , 100, 103904		1
159	Precursor-Boosted Production of Metabolites in Microshoots Grown in Plantform Bioreactors, and Antioxidant and Antimicrobial Activities of Biomass Extracts. <b>2021</b> , 26,		1
158	Investigation of glucosinolates in the desert plant <i>Ochradenus baccatus</i> ( <i>Brassicales</i> : <i>Resedaceae</i> ). Unveiling glucoochradenin, a new arabinosylated glucosinolate. <i>Phytochemistry</i> , <b>2021</b> , 187, 112760	4	2
157	Modulatory Effect of 4-(methylthio)butyl Isothiocyanate Isolated From <i>Thell.</i> on DMBA Induced Overexpression of Hypoxia and Glycolytic Pathway in Sprague-Dawley Female Rats. <b>2021</b> , 12, 728296		0
156	Comparative transcriptomic analyses of glucosinolate metabolic genes during the formation of Chinese kale seeds. <b>2021</b> , 21, 394		2

155	Extra-large G-proteins influence plant response to <i>Sclerotinia sclerotiorum</i> by regulating glucosinolate metabolism in <i>Brassica juncea</i> . <b>2021</b> , 22, 1180-1194	3
154	Jasmonate signaling restricts root soluble sugar accumulation and drives root-fungus symbiosis loss at flowering by antagonizing gibberellin biosynthesis. <b>2021</b> , 309, 110940	3
153	Rapid specialization of counter defenses enables two-spotted spider mite to adapt to novel plant hosts. <b>2021</b> , 187, 2608-2622	1
152	Genome- and transcriptome-wide association studies reveal the genetic basis and the breeding history of seed glucosinolate content in <i>Brassica napus</i> . <b>2021</b> ,	9
151	Structural Studies of Aliphatic Glucosinolate Chain-Elongation Enzymes. <b>2021</b> , 10,	0
150	Application and mechanism of benzyl-isothiocyanate, a natural antimicrobial agent from cruciferous vegetables, in controlling postharvest decay of strawberry. <b>2021</b> , 180, 111604	2
149	The physiological role of mitochondrial ADNT1 carrier during senescence in <i>Arabidopsis</i> . <b>2021</b> , 2, 100019	
148	Glucosinolate variation among organs, growth stages and seasons suggests its dominant accumulation in sexual over asexual-reproductive organs in white radish. <b>2022</b> , 291, 110617	3
147	Brassica Vegetables: Rich Sources of Neuroprotective Compounds. <b>2021</b> , 327-341	
146	Analytical Methods for Quantification and Identification of Intact Glucosinolates in <i>Arabidopsis</i> Roots Using LC-QqQ(LIT)-MS/MS. <b>2021</b> , 11,	4
145	Glucosinolates. 1-8	4
144	Participation of Phytochemicals in Plant Development and Growth. <b>2009</b> , 269-279	6
143	Sulfur in biotic interactions of plants. <b>2007</b> , 197-224	9
142	Resources for Metabolomics. <b>2011</b> , 469-503	2
141	Regulation of Glucosinolate Metabolism: From Model Plant <i>Arabidopsis thaliana</i> to Brassica Crops. <b>2016</b> , 1-37	2
140	Sulfotransferases and Their Role in Glucosinolate Biosynthesis. <b>2008</b> , 149-166	5
139	At the Crossroads of Metal Hyperaccumulation and Glucosinolates: Is There Anything Out There?. <b>2010</b> , 139-161	4
138	Plasticity of plant defense and its evolutionary implications in wild populations of <i>Boechera stricta</i> .	2

137	Rapid specialization of counter defenses enables two-spotted spider mite to adapt to novel plant hosts.	1
136	Growth under high light and elevated temperature affects metabolic responses and accumulation of health-promoting metabolites in kale varieties.	1
135	A systems biology approach identifies a R2R3 MYB gene subfamily with distinct and overlapping functions in regulation of aliphatic glucosinolates. <b>2007</b> , 2, e1322	255
134	A topological map of the compartmentalized <i>Arabidopsis thaliana</i> leaf metabolome. <b>2011</b> , 6, e17806	84
133	Verticillium suppression is associated with the glucosinolate composition of <i>Arabidopsis thaliana</i> leaves. <b>2013</b> , 8, e71877	29
132	Overexpression of Three Glucosinolate Biosynthesis Genes in <i>Brassica napus</i> Identifies Enhanced Resistance to <i>Sclerotinia sclerotiorum</i> and <i>Botrytis cinerea</i> . <b>2015</b> , 10, e0140491	32
131	Gene Expression Analysis of Pak Choi in Response to Vernalization. <b>2015</b> , 10, e0141446	17
130	Functional metabolomics as a tool to analyze Mediator function and structure in plants. <b>2017</b> , 12, e0179640	7
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