

Markus Wirtz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1336400/publications.pdf>

Version: 2024-02-01

120
papers

9,193
citations

26630

56
h-index

43889

91
g-index

131
all docs

131
docs citations

131
times ranked

8500
citing authors

#	ARTICLE	IF	CITATIONS
1	Cotranslational N-degron masking by acetylation promotes proteome stability in plants. <i>Nature Communications</i> , 2022, 13, 810.	12.8	29
2	The cytosolic <i>Arabidopsis thaliana</i> cysteine desulfurase ABA3 delivers sulfur to the sulfurtransferase STR18. <i>Journal of Biological Chemistry</i> , 2022, 298, 101749.	3.4	3
3	OsHYPK-mediated protein N-terminal acetylation coordinates plant development and abiotic stress responses in rice. <i>Molecular Plant</i> , 2022, 15, 740-754.	8.3	9
4	HYPK promotes the activity of the N ^ε -acetyltransferase A complex to determine proteostasis of nonAc-X ² /N-degron-containing proteins. <i>Science Advances</i> , 2022, 8, .	10.3	11
5	The plant TOR kinase tunes autophagy and meristem activity for nutrient stress-induced developmental plasticity. <i>Plant Cell</i> , 2022, 34, 3814-3829.	6.6	14
6	Translational fidelity and growth of <i>Arabidopsis</i> require stress-sensitive diphthamide biosynthesis. <i>Nature Communications</i> , 2022, 13, .	12.8	6
7	A molecular switch in sulfur metabolism to reduce arsenic and enrich selenium in rice grain. <i>Nature Communications</i> , 2021, 12, 1392.	12.8	48
8	The function of glutaredoxin GRXS15 is required for lipoyl-dependent dehydrogenases in mitochondria. <i>Plant Physiology</i> , 2021, 186, 1507-1525.	4.8	12
9	Structural and functional characterization of the N-terminal acetyltransferase Naa50. <i>Structure</i> , 2021, 29, 413-425.e5.	3.3	6
10	Metabolite Profiling in <i>Arabidopsis thaliana</i> with Moderately Impaired Photorespiration Reveals Novel Metabolic Links and Compensatory Mechanisms of Photorespiration. <i>Metabolites</i> , 2021, 11, 391.	2.9	17
11	GSNOR Contributes to Demethylation and Expression of Transposable Elements and Stress-Responsive Genes. <i>Antioxidants</i> , 2021, 10, 1128.	5.1	10
12	Micrografting Provides Evidence for Systemic Regulation of Sulfur Metabolism between Shoot and Root. <i>Plants</i> , 2021, 10, 1729.	3.5	1
13	The versatile interactome of chloroplast ribosomes revealed by affinity purification mass spectrometry. <i>Nucleic Acids Research</i> , 2021, 49, 400-415.	14.5	23
14	Disruption of the N ^ε -Acetyltransferase NatB Causes Sensitivity to Reductive Stress in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 799954.	3.6	6
15	Redox-mediated kick-start of mitochondrial energy metabolism drives resource-efficient seed germination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 741-751.	7.1	96
16	NatB-Mediated N-Terminal Acetylation Affects Growth and Biotic Stress Responses. <i>Plant Physiology</i> , 2020, 182, 792-806.	4.8	44
17	NAA50 Is an Enzymatically Active N ^ε -Acetyltransferase That Is Crucial for Development and Regulation of Stress Responses. <i>Plant Physiology</i> , 2020, 183, 1502-1516.	4.8	23
18	The <i>Arabidopsis</i> N ^ε -acetyltransferase NAA60 localizes to the plasma membrane and is vital for the high salt stress response. <i>New Phytologist</i> , 2020, 228, 554-569.	7.3	25

#	ARTICLE	IF	CITATIONS
19	Sulfur metabolic engineering enhances cadmium stress tolerance and root to shoot iron translocation in <i>Brassica napus</i> L. <i>Plant Physiology and Biochemistry</i> , 2020, 152, 32-43.	5.8	17
20	Dual lysine and N-terminal acetyltransferases reveal the complexity underpinning protein acetylation. <i>Molecular Systems Biology</i> , 2020, 16, e9464.	7.2	53
21	The <i>Arabidopsis</i> THADA homologue modulates TOR activity and cold acclimation. <i>Plant Biology</i> , 2019, 21, 77-83.	3.8	31
22	<i>Arabidopsis</i> glutathione reductase 2 is indispensable in plastids, while mitochondrial glutathione is safeguarded by additional reduction and transport systems. <i>New Phytologist</i> , 2019, 224, 1569-1584.	7.3	57
23	<i>Staphylococcus aureus</i> Uses the Bacilliredoxin (BrxAB)/Bacillithiol Disulfide Reductase (YpdA) Redox Pathway to Defend Against Oxidative Stress Under Infections. <i>Frontiers in Microbiology</i> , 2019, 10, 1355.	3.5	31
24	The Recovery from Sulfur Starvation is Independent from the mRNA Degradation Initiation Enzyme PARN in <i>Arabidopsis</i> . <i>Plants</i> , 2019, 8, 380.	3.5	4
25	Sulfate-Induced Stomata Closure Requires the Canonical ABA Signal Transduction Machinery. <i>Plants</i> , 2019, 8, 21.	3.5	19
26	Distribution of control in the sulfur assimilation in <i>Arabidopsis thaliana</i> depends on environmental conditions. <i>New Phytologist</i> , 2019, 222, 1392-1404.	7.3	16
27	Plant glutathione biosynthesis revisited: redox-mediated activation of glutamylcysteine ligase does not require homo-dimerization. <i>Biochemical Journal</i> , 2019, 476, 1191-1203.	3.7	14
28	Tandem Fluorescent Protein Timers for Noninvasive Relative Protein Lifetime Measurement in Plants. <i>Plant Physiology</i> , 2019, 180, 718-731.	4.8	22
29	SULTR3s Function in Chloroplast Sulfate Uptake and Affect ABA Biosynthesis and the Stress Response. <i>Plant Physiology</i> , 2019, 180, 593-604.	4.8	50
30	Differential N-end Rule Degradation of RIN4/NOI Fragments Generated by the AvrRpt2 Effector Protease. <i>Plant Physiology</i> , 2019, 180, 2272-2289.	4.8	16
31	Sulfate is Incorporated into Cysteine to Trigger ABA Production and Stomatal Closure. <i>Plant Cell</i> , 2018, 30, 2973-2987.	6.6	85
32	N-terminal acetylation: an essential protein modification emerges as an important regulator of stress responses. <i>Journal of Experimental Botany</i> , 2018, 69, 4555-4568.	4.8	73
33	Chloroplast Acetyltransferase NSI Is Required for State Transitions in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2018, 30, 1695-1709.	6.6	59
34	Sulfur Partitioning between Glutathione and Protein Synthesis Determines Plant Growth. <i>Plant Physiology</i> , 2018, 177, 927-937.	4.8	66
35	Monitoring global protein thiol-oxidation and protein S-mycothiolation in <i>Mycobacterium smegmatis</i> under hypochlorite stress. <i>Scientific Reports</i> , 2017, 7, 1195.	3.3	47
36	Drought-Enhanced Xylem Sap Sulfate Closes Stomata by Affecting ALMT12 and Guard Cell ABA Synthesis. <i>Plant Physiology</i> , 2017, 174, 798-814.	4.8	95

#	ARTICLE	IF	CITATIONS
37	Apoplastic gamma-glutamyl transferase activity encoded by GGT1 and GGT2 is important for vegetative and generative development. <i>Plant Physiology and Biochemistry</i> , 2017, 115, 44-56.	5.8	17
38	The glyceraldehyde-3-phosphate dehydrogenase GapDH of <i>Corynebacterium diphtheriae</i> is redox-controlled by protein S-mycothiolation under oxidative stress. <i>Scientific Reports</i> , 2017, 7, 5020.	3.3	24
39	The redox-sensitive module of cyclophilin 20, 2-cysteine peroxiredoxin and cysteine synthase integrates sulfur metabolism and oxylipin signaling in the high light acclimation response. <i>Plant Journal</i> , 2017, 91, 995-1014.	5.7	31
40	System analysis of metabolism and the transcriptome in <i>Arabidopsis thaliana</i> roots reveals differential coregulation upon iron, sulfur and potassium deficiency. <i>Plant, Cell and Environment</i> , 2017, 40, 95-107.	5.7	104
41	Nuclear Localised MORE SULPHUR ACCUMULATION1 Epigenetically Regulates Sulphur Homeostasis in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2016, 12, e1006298.	3.5	81
42	ROS-Mediated Inhibition of S-nitrosoglutathione Reductase Contributes to the Activation of Anti-oxidative Mechanisms. <i>Frontiers in Plant Science</i> , 2016, 7, 1669.	3.6	56
43	Ectopically expressed glutaredoxin ROXY19 negatively regulates the detoxification pathway in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2016, 16, 200.	3.6	30
44	Drought stress in maize causes differential acclimation responses of glutathione and sulfur metabolism in leaves and roots. <i>BMC Plant Biology</i> , 2016, 16, 247.	3.6	92
45	MTHFD1 controls DNA methylation in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2016, 7, 11640.	12.8	61
46	Integration of light and metabolic signals for stem cell activation at the shoot apical meristem. <i>ELife</i> , 2016, 5, .	6.0	158
47	Molecular identification and functional characterization of the first N-acetyltransferase in plastids by global acetylome profiling. <i>Proteomics</i> , 2015, 15, 2426-2435.	2.2	92
48	Two N-Terminal Acetyltransferases Antagonistically Regulate the Stability of a Nod-Like Receptor in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2015, 27, 1547-1562.	6.6	102
49	The Role of Compartment-Specific Cysteine Synthesis for Sulfur Homeostasis During H ₂ S Exposure in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2015, 56, 358-367.	3.1	56
50	Sulfide Detoxification in Plant Mitochondria. <i>Methods in Enzymology</i> , 2015, 555, 271-286.	1.0	10
51	Characterization of the serine acetyltransferase gene family of <i>Vitis vinifera</i> uncovers differences in regulation of OAS synthesis in woody plants. <i>Frontiers in Plant Science</i> , 2015, 6, 74.	3.6	19
52	Mitochondrial Dihydrolipoyl Dehydrogenase Activity Shapes Photosynthesis and Photorespiration of <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2015, 27, 1968-1984.	6.6	139
53	Downregulation of N-terminal acetylation triggers ABA-mediated drought responses in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2015, 6, 7640.	12.8	119
54	Relation between chemotaxis and consumption of amino acids in bacteria. <i>Molecular Microbiology</i> , 2015, 96, 1272-1282.	2.5	121

#	ARTICLE	IF	CITATIONS
55	The Mitochondrial Sulfur Dioxygenase ETHYLMALONIC ENCEPHALOPATHY PROTEIN1 Is Required for Amino Acid Catabolism during Carbohydrate Starvation and Embryo Development in Arabidopsis <i>Å</i> <i>Å</i> . Plant Physiology, 2014, 165, 92-104.	4.8	57
56	Evidence for Several Cysteine Transport Mechanisms in the Mitochondrial Membranes of Arabidopsis thaliana. Plant and Cell Physiology, 2014, 55, 64-73.	3.1	28
57	Sulfate availability affects <sc>ABA</sc> levels and germination response to <sc>ABA</sc> and salt stress in <i><sc>A</sc>r<sc>abidopsis thaliana</sc></i>. Plant Journal, 2014, 77, 604-615.	5.7	143
58	Affinity Purification of O-Acetylserine(thiol)lyase from Chlorella sorokiniana by Recombinant Proteins from Arabidopsis thaliana. Metabolites, 2014, 4, 629-639.	2.9	15
59	The significance of cysteine synthesis for acclimation to high light conditions. Frontiers in Plant Science, 2014, 5, 776.	3.6	20
60	<sc>SULTR</sc>3;1 is a chloroplastâ€localized sulfate transporter in <i>Arabidopsis thaliana</i>. Plant Journal, 2013, 73, 607-616.	5.7	146
61	Balancing metabolites in drought: the sulfur assimilation conundrum. Trends in Plant Science, 2013, 18, 18-29.	8.8	184
62	Methionine salvage and <i>S</i>-adenosylmethionine: essential links between sulfur, ethylene and polyamine biosynthesis. Biochemical Journal, 2013, 451, 145-154.	3.7	298
63	Successful Fertilization Requires the Presence of at Least One Major O-Acetylserine(thiol)lyase for Cysteine Synthesis in Pollen of Arabidopsis. Plant Physiology, 2013, 163, 959-972.	4.8	30
64	Toward new perspectives on the interaction of iron and sulfur metabolism in plants. Frontiers in Plant Science, 2013, 4, 357.	3.6	79
65	Cysteine biosynthesis, in concert with a novel mechanism, contributes to sulfide detoxification in mitochondria of Arabidopsis thaliana. Biochemical Journal, 2012, 445, 275-283.	3.7	43
66	Recycling of Methylthioadenosine Is Essential for Normal Vascular Development and Reproduction in Arabidopsis <i>Å</i> <i>Å</i> . Plant Physiology, 2012, 158, 1728-1744.	4.8	35
67	Subcellular Compartmentation of Cysteine Synthesis in Plants â€ One Step More. , 2012, , 71-75.		0
68	Mitochondrial Cysteine Synthase Complex Regulates O-Acetylserine Biosynthesis in Plants. Journal of Biological Chemistry, 2012, 287, 27941-27947.	3.4	64
69	Vacuolar Nicotianamine Has Critical and Distinct Roles under Iron Deficiency and for Zinc Sequestration in <i>Arabidopsis</i>. Plant Cell, 2012, 24, 724-737.	6.6	277
70	Improved sulfur nutrition provides the basis for enhanced production of sulfur-containing defense compounds in Arabidopsis thaliana upon inoculation with Alternaria brassicicola. Journal of Plant Physiology, 2012, 169, 740-743.	3.5	17
71	Transcriptome profiling of genes differentially modulated by sulfur and chromium identifies potential targets for phytoremediation and reveals a complex Sâ€Cr interplay on sulfate transport regulation in B. juncea. Journal of Hazardous Materials, 2012, 239-240, 192-205.	12.4	36
72	Targeted Systems Biology Profiling of Tomato Fruit Reveals Coordination of the Yang Cycle and a Distinct Regulation of Ethylene Biosynthesis during Postclimacteric Ripening <i>Å</i> <i>Å</i> <i>Å</i> . Plant Physiology, 2012, 160, 1498-1514.	4.8	104

#	ARTICLE	IF	CITATIONS
73	Effects of <i>fou8/fry1</i> Mutation on Sulfur Metabolism: Is Decreased Internal Sulfate the Trigger of Sulfate Starvation Response?. <i>PLoS ONE</i> , 2012, 7, e39425.	2.5	57
74	The relevance of compartmentation for cysteine synthesis in phototrophic organisms. <i>Protoplasma</i> , 2012, 249, 147-155.	2.1	22
75	Selenate and molybdate alter sulfate transport and assimilation in <i>Brassica juncea</i> L. Czern.: Implications for phytoremediation. <i>Environmental and Experimental Botany</i> , 2012, 75, 41-51.	4.2	64
76	Allosterically Gated Enzyme Dynamics in the Cysteine Synthase Complex Regulate Cysteine Biosynthesis in <i>Arabidopsis thaliana</i> . <i>Structure</i> , 2012, 20, 292-302.	3.3	29
77	Cysteine Synthesis in the Chloroplast Is Not Required for Resistance of <i>Arabidopsis thaliana</i> to H ₂ S Fumigation. , 2012, , 217-221.		0
78	The Role of Cyclophilin CYP20-3 in Activation of Chloroplast Serine Acetyltransferase Under High Light Stress. , 2012, , 265-269.		0
79	Evidence for a SAL1-PAP Chloroplast Retrograde Pathway That Functions in Drought and High Light Signaling in <i>Arabidopsis</i> <i>Plant Cell</i> , 2011, 23, 3992-4012.	6.6	473
80	Generation of Se-enriched broccoli as functional food: impact of Se fertilization on S metabolism. <i>Plant, Cell and Environment</i> , 2011, 34, 192-207.	5.7	59
81	Molecular Biology, Biochemistry and Cellular Physiology of Cysteine Metabolism in <i>Arabidopsis thaliana</i> . <i>The Arabidopsis Book</i> , 2011, 9, e0154.	0.5	98
82	Enzymes of cysteine synthesis show extensive and conserved modifications patterns that include N-terminal acetylation. <i>Amino Acids</i> , 2010, 39, 1077-1086.	2.7	22
83	<i>Sultr4;1</i> mutant seeds of <i>Arabidopsis</i> have an enhanced sulphate content and modified proteome suggesting metabolic adaptations to altered sulphate compartmentalization. <i>BMC Plant Biology</i> , 2010, 10, 78.	3.6	37
84	Inhibition of 5- TM -methylthioadenosine metabolism in the Yang cycle alters polyamine levels, and impairs seedling growth and reproduction in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2010, 62, no-no.	5.7	47
85	The Seed Composition of <i>Arabidopsis</i> Mutants for the Group 3 Sulfate Transporters Indicates a Role in Sulfate Translocation within Developing Seeds. <i>Plant Physiology</i> , 2010, 154, 913-926.	4.8	61
86	Sulfite Reductase Defines a Newly Discovered Bottleneck for Assimilatory Sulfate Reduction and Is Essential for Growth and Development in <i>Arabidopsis thaliana</i> <i>Plant Cell</i> , 2010, 22, 1216-1231.	6.6	163
87	Overexpression of serine acetyltransferase produced large increases in O-acetylserine and free cysteine in developing seeds of a grain legume. <i>Journal of Experimental Botany</i> , 2010, 61, 721-733.	4.8	62
88	Structure and Function of the Hetero-oligomeric Cysteine Synthase Complex in Plants*. <i>Journal of Biological Chemistry</i> , 2010, 285, 32810-32817.	3.4	76
89	Cellular Biology of Sulfur and Its Functions in Plants. <i>Plant Cell Monographs</i> , 2010, , 243-279.	0.4	11
90	The Analysis of <i>Arabidopsis</i> Nicotianamine Synthase Mutants Reveals Functions for Nicotianamine in Seed Iron Loading and Iron Deficiency Responses <i>Plant Physiology</i> , 2009, 150, 257-271.	4.8	240

#	ARTICLE	IF	CITATIONS
91	Dynamic Plastid Redox Signals Integrate Gene Expression and Metabolism to Induce Distinct Metabolic States in Photosynthetic Acclimation in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2009, 21, 2715-2732.	6.6	176
92	Disruption of Adenosine-5-Phosphosulfate Kinase in <i>Arabidopsis</i> Reduces Levels of Sulfated Secondary Metabolites. <i>Plant Cell</i> , 2009, 21, 910-927.	6.6	180
93	SAM levels, gene expression of SAM synthetase, methionine synthase and ACC oxidase, and ethylene emission from <i>N. suaveolens</i> flowers. <i>Plant Molecular Biology</i> , 2009, 70, 535-546.	3.9	58
94	The NADPH-dependent thioredoxin system constitutes a functional backup for cytosolic glutathione reductase in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9109-9114.	7.1	259
95	A Mechanistic Model of the Cysteine Synthase Complex. <i>Journal of Molecular Biology</i> , 2009, 386, 37-59.	4.2	73
96	Restricting glutathione biosynthesis to the cytosol is sufficient for normal plant development. <i>Plant Journal</i> , 2008, 53, 999-1012.	5.7	158
97	Metabolism of Cysteine in Plants and Phototrophic Bacteria. <i>Advances in Photosynthesis and Respiration</i> , 2008, , 59-91.	1.0	17
98	Analysis of the <i>Arabidopsis O</i> -Acetylserine(thiol)lyase Gene Family Demonstrates Compartment-Specific Differences in the Regulation of Cysteine Synthesis. <i>Plant Cell</i> , 2008, 20, 168-185.	6.6	206
99	Differential Regulation of the Expression of Two High-Affinity Sulfate Transporters, SULTR1.1 and SULTR1.2, in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2008, 147, 897-911.	4.8	153
100	Mitochondrial Serine Acetyltransferase Functions as a Pacemaker of Cysteine Synthesis in Plant Cells. <i>Plant Physiology</i> , 2008, 148, 1055-1067.	4.8	121
101	Interactions between Chromium and Sulfur Metabolism in <i>Brassica juncea</i> . <i>Journal of Environmental Quality</i> , 2008, 37, 1536-1545.	2.0	90
102	OsMTN encodes a 5-methylthioadenosine nucleosidase that is up-regulated during submergence-induced ethylene synthesis in rice (<i>Oryza sativa</i> L.). <i>Journal of Experimental Botany</i> , 2007, 58, 1505-1514.	4.8	40
103	Dominant-Negative Modification Reveals the Regulatory Function of the Multimeric Cysteine Synthase Protein Complex in Transgenic Tobacco. <i>Plant Cell</i> , 2007, 19, 625-639.	6.6	94
104	Sulphite oxidase as key enzyme for protecting plants against sulphur dioxide. <i>Plant, Cell and Environment</i> , 2007, 30, 447-455.	5.7	94
105	The role of methionine recycling for ethylene synthesis in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2007, 49, 238-249.	5.7	124
106	Regulatory function of the cysteine synthase protein complex in transgenic tobacco. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 146, S249.	1.8	0
107	Chromate Differentially Affects the Expression of a High-Affinity Sulfate Transporter and Isoforms of Components of the Sulfate Assimilatory Pathway in <i>Zea mays</i> (L.). <i>Plant Biology</i> , 2007, 9, 662-671.	3.8	34
108	Functional analysis of the cysteine synthase protein complex from plants: Structural, biochemical and regulatory properties. <i>Journal of Plant Physiology</i> , 2006, 163, 273-286.	3.5	184

#	ARTICLE	IF	CITATIONS
109	Expression profiling of metabolic genes in response to methyl jasmonate reveals regulation of genes of primary and secondary sulfur-related pathways in <i>Arabidopsis thaliana</i> . <i>Photosynthesis Research</i> , 2005, 86, 491-508.	2.9	111
110	Synthesis of the sulfur amino acids: cysteine and methionine. <i>Photosynthesis Research</i> , 2005, 86, 345-362.	2.9	139
111	Retrograde Plastid Redox Signals in the Expression of Nuclear Genes for Chloroplast Proteins of <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 5318-5328.	3.4	203
112	Regulation of Sulfate Uptake and Expression of Sulfate Transporter Genes in <i>Brassica oleracea</i> as Affected by Atmospheric H ₂ S and Pedospheric Sulfate Nutrition. <i>Plant Physiology</i> , 2004, 136, 3396-3408.	4.8	191
113	O-acetylserine (thiol) lyase: an enigmatic enzyme of plant cysteine biosynthesis revisited in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2004, 55, 1785-1798.	4.8	176
114	Regulation of sulphate assimilation by glutathione in poplars (<i>Populus tremulax</i> P. <i>alba</i>) of wild type and overexpressing γ -glutamylcysteine synthetase in the cytosol. <i>Journal of Experimental Botany</i> , 2004, 55, 837-845.	4.8	66
115	Production of cysteine for bacterial and plant biotechnology: Application of cysteine feedback-insensitive isoforms of serine acetyltransferase. <i>Amino Acids</i> , 2003, 24, 195-203.	2.7	88
116	Use of Biomolecular Interaction Analysis to Elucidate the Regulatory Mechanism of the Cysteine Synthase Complex from <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 30629-30634.	3.4	97
117	Molecular and biochemical analysis of the enzymes of cysteine biosynthesis in the plant <i>Arabidopsis thaliana</i> . <i>Amino Acids</i> , 2002, 22, 245-257.	2.7	103
118	The cysteine synthase complex from plants. <i>FEBS Journal</i> , 2001, 268, 686-693.	0.2	106
119	Genomic and functional characterization of the <i>oas</i> gene family encoding O-acetylserine (thiol) lyases, enzymes catalyzing the final step in cysteine biosynthesis in <i>Arabidopsis thaliana</i> . <i>Gene</i> , 2000, 253, 237-247.	2.2	125
120	Discriminative Long-Distance Transport of Selenate and Selenite Triggers Glutathione Oxidation in Specific Subcellular Compartments of Root and Shoot Cells in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	1