Atle M Bones

List of Publications by Year in Descending Order

148 papers	8,770 citations	47 h-index	91 g-index
155 ext. papers	10,333 ext. citations	5.7 avg, IF	6.18 L-index

#	Paper	IF	Citations
148	IIb-RAD-sequencing coupled with random forest classification indicates regional population structuring and sex-specific differentiation in salmon lice ().. *Ecology and Evolution*, **2022**, 12, e8809	2.8	1
147	The Essentials of Marine Biotechnology. *Frontiers in Marine Science*, **2021**, 8,	4.5	16
146	Simultaneous knockout of multiple LHCF genes using single sgRNAs and engineering of a high-fidelity Cas9 for precise genome editing in marine algae. *Plant Biotechnology Journal*, **2021**, 19, 1658-1669	11.6	4
145	Chemopreventive Effects of Dietary Isothiocyanates in Animal Models of Gastric Cancer and Synergistic Anticancer Effects With Cisplatin in Human Gastric Cancer Cells. *Frontiers in Pharmacology*, **2021**, 12, 613458	5.6	3
144	Principles and Methods of Counteracting Harmful Salmon–Arthropod Interactions in Salmon Farming: Addressing Possibilities, Limitations, and Future Options. *Frontiers in Marine Science*, **2021**, 8,	4.5	1
143	Functional studies of CpSRP54 in diatoms show that the mechanism of thylakoid protein insertion differs from that in plants and green algae. *Plant Journal*, **2021**, 106, 113-132	6.9	1
142	The Imaging of Guard Cells of () Mutants of Arabidopsis Further Links Plant Chemical Defence Systems with Physical Defence Barriers. *Cells*, **2021**, 10,	7.9	2
141	Assessment of oxidative stress response genes in exposed to oil contamination - Polyphenol oxidase as a biomarker. *Biotechnology Reports (Amsterdam, Netherlands)*, **2020**, 28, e00565	5.3	1
140	A New Network for the Advancement of Marine Biotechnology in Europe and Beyond. *Frontiers in Marine Science*, **2020**, 7,	4.5	7
139	Light Regulation of LHCX Genes in the Benthic Diatom Seminavis robusta. *Frontiers in Marine Science*, **2020**, 7,	4.5	7
138	The Role of a Glucosinolate-Derived Nitrile in Plant Immune Responses. *Frontiers in Plant Science*, **2020**, 11, 257	6.2	9
137	The Seminavis robusta genome provides insights into the evolutionary adaptations of benthic diatoms. *Nature Communications*, **2020**, 11, 3320	17.4	23
136	PAMP-INDUCED SECRETED PEPTIDE 3 modulates immunity in Arabidopsis. *Journal of Experimental Botany*, **2020**, 71, 850-864	7	3
135	Sub-lethal Dose Reponses of Native Polyhydroviruses and Spinosad for Economical and Sustainable Management of Spodoptera litura in Pakistan. *Pakistan Journal of Zoology*, **2020**, 52,	1.7	4
134	Differential Effects of Dietary Supplementation of Krill Meal, Soybean Meal, Butyrate, and Bactocell on the Gene Expression of Atlantic Salmon Head Kidney. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	4
133	The Myb-like transcription factor phosphorus starvation response (PtPSR) controls conditional P acquisition and remodelling in marine microalgae. *New Phytologist*, **2020**, 225, 2380-2395	9.8	19
132	Phenylalanine Hydroxylase RNAi Knockdown Negatively Affects Larval Development, Molting and Swimming Performance of Salmon Lice. *Frontiers in Marine Science*, **2020**, 7,	4.5	1

131	Comparative transcriptomics reveals domestication-associated features of Atlantic salmon lipid metabolism. *Molecular Ecology*, **2020**, 29, 1860-1872	5.7	5
130	Loss of ALBINO3b Insertase Results in Truncated Light-Harvesting Antenna in Diatoms. *Plant Physiology*, **2019**, 181, 1257-1276	6.6	12
129	Unique photosynthetic electron transport tuning and excitation distribution in heterokont algae. *PLoS ONE*, **2019**, 14, e0209920	3.7	1
128	Dietary fatty acid source has little effect on the development of the immune system in the pyloric caeca of Atlantic salmon fry. *Scientific Reports*, **2019**, 9, 27	4.9	5
127	bHLH-PAS protein RITMO1 regulates diel biological rhythms in the marine diatom. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 13137-13142	11.5	18
126	CRISPR/Cas9-mediated editing of □ and □ desaturases impairs □-desaturation and docosahexaenoic acid synthesis in Atlantic salmon (Salmo salar L.). *Scientific Reports*, **2019**, 9, 16888	4.9	11
125	Arabidopsis mutants impaired in glutathione biosynthesis exhibit higher sensitivity towards the glucosinolate hydrolysis product allyl-isothiocyanate. *Scientific Reports*, **2018**, 8, 9809	4.9	13
124	Rearing Water Treatment Induces Microbial Selection Influencing the Microbiota and Pathogen Associated Transcripts of Cod () Larvae. *Frontiers in Microbiology*, **2018**, 9, 851	5.7	19
123	Molecular adaptations to phosphorus deprivation and comparison with nitrogen deprivation responses in the diatom Phaeodactylum tricornutum. *PLoS ONE*, **2018**, 13, e0193335	3.7	46
122	Molecular Identification and Pathological Characteristics of NPV Isolated from Spodoptera litura (Fabricius) in Pakistan. *Pakistan Journal of Zoology*, **2018**, 50,	1.7	4
121	Accumulation of Ag(I) by Saccharomyces cerevisiae Cells Expressing Plant Metallothioneins. *Cells*, **2018**, 7,	7.9	7
120	Transgene-free genome editing in marine algae by bacterial conjugation - comparison with biolistic CRISPR/Cas9 transformation. *Scientific Reports*, **2018**, 8, 14401	4.9	30
119	Benzyl Cyanide Leads to Auxin-Like Effects Through the Action of Nitrilases in. *Frontiers in Plant Science*, **2018**, 9, 1240	6.2	9
118	Genome editing in diatoms: achievements and goals. *Plant Cell Reports*, **2018**, 37, 1401-1408	5.1	36
117	The RopGEF2-ROP7/ROP2 Pathway Activated by phyB Suppresses Red Light-Induced Stomatal Opening. *Plant Physiology*, **2017**, 174, 717-731	6.6	9
116	Heavy metal accumulation by Saccharomyces cerevisiae cells armed with metal binding hexapeptides targeted to the inner face of the plasma membrane. *Applied Microbiology and Biotechnology*, **2017**, 101, 5749-5763	5.7	15
115	Mechanisms of Phosphorus Acquisition and Lipid Class Remodeling under P Limitation in a Marine Microalga. *Plant Physiology*, **2017**, 175, 1543-1559	6.6	48
114	The effects of phosphorus limitation on carbon metabolism in diatoms. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2017**, 372,	5.8	66

113	Dynamic responses to silicon in Thalasiossira pseudonana - Identification, characterisation and classification of signature genes and their corresponding protein motifs. *Scientific Reports*, **2017**, 7, 4865	4.9	11
112	The IDA-LIKE peptides IDL6 and IDL7 are negative modulators of stress responses in Arabidopsis thaliana. *Journal of Experimental Botany*, **2017**, 68, 3557-3571	7	20
111	Tools for biotechnological studies of the freshwater alga Nannochloropsis limnetica: antibiotic resistance and protoplast production. *Journal of Applied Phycology*, **2017**, 29, 853-863	3.2	13
110	Gene Mining for Proline Based Signaling Proteins in Cell Wall of. *Frontiers in Plant Science*, **2017**, 8, 233	6.2	11
109	Glucosinolate-Derived Isothiocyanates Inhibit Arabidopsis Growth and the Potency Depends on Their Side Chain Structure. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	23
108	Anchoring plant metallothioneins to the inner face of the plasma membrane of Saccharomyces cerevisiae cells leads to heavy metal accumulation. *PLoS ONE*, **2017**, 12, e0178393	3.7	13
107	CRISPR/Cas9 Gene Editing in the Marine Diatom. *Bio-protocol*, **2017**, 7, e2442	0.9	13
106	A CRISPR/Cas9 system adapted for gene editing in marine algae. *Scientific Reports*, **2016**, 6, 24951	4.9	238
105	A sex-inducing pheromone triggers cell cycle arrest and mate attraction in the diatom Seminavis robusta. *Scientific Reports*, **2016**, 6, 19252	4.9	51
104	Transcriptional regulatory networks in Arabidopsis thaliana during single and combined stresses. *Nucleic Acids Research*, **2016**, 44, 3147-64	20.1	45
103	Allyl-isothiocyanate treatment induces a complex transcriptional reprogramming including heat stress, oxidative stress and plant defence responses in Arabidopsis thaliana. *BMC Genomics*, **2016**, 17, 740	4.5	18
102	Effect of growth temperature on glucosinolate profiles in Arabidopsis thaliana accessions. *Phytochemistry*, **2016**, 130, 106-18	4	16
101	Arabidopsis myrosinases link the glucosinolate-myrosinase system and the cuticle. *Scientific Reports* , **2016**, 6, 38990	4.9	14
100	Disintegration of microtubules in Arabidopsis thaliana and bladder cancer cells by isothiocyanates. *Frontiers in Plant Science*, **2015**, 6, 6	6.2	30
99	Whole-cell response to nitrogen deprivation in the diatom Phaeodactylum tricornutum. *Journal of Experimental Botany*, **2015**, 66, 6281-96	7	147
98	Plant defence responses in oilseed rape MINELESS plants after attack by the cabbage moth Mamestra brassicae. *Journal of Experimental Botany*, **2015**, 66, 579-92	7	16
97	Gene regulation of lipid and phospholipid metabolism in Atlantic cod (Gadus morhua) larvae. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2015**, 190, 16-26	2.3	12
96	Allyl Isothiocyanate Inhibits Actin-Dependent Intracellular Transport in Arabidopsis thaliana. *International Journal of Molecular Sciences*, **2015**, 16, 29134-47	6.3	10

95	Allyl isothiocyanate depletes glutathione and upregulates expression of glutathione S-transferases in Arabidopsis thaliana. *Frontiers in Plant Science*, **2015**, 6, 277	6.2	28
94	Allyl isothiocyanate affects the cell cycle of Arabidopsis thaliana. *Frontiers in Plant Science*, **2015**, 6, 364	6.2	11
93	Integrative "omic" analysis reveals distinctive cold responses in leaves and roots of strawberry, Fragaria ananassa 'Korona'. *Frontiers in Plant Science*, **2015**, 6, 826	6.2	12
92	The IDA/IDA-LIKE and PIP/PIP-LIKE gene families in Arabidopsis: phylogenetic relationship, expression patterns, and transcriptional effect of the PIPL3 peptide. *Journal of Experimental Botany* , **2015**, 66, 5351-65	7	45
91	Multidimensional approaches for studying plant defence against insects: from ecology to omics and synthetic biology. *Journal of Experimental Botany*, **2015**, 66, 479-93	7	47
90	The chloroplast genome of the diatom Seminavis robusta: new features introduced through multiple mechanisms of horizontal gene transfer. *Marine Genomics*, **2014**, 16, 17-27	1.9	34
89	Nonlinear State Estimation in the Czochralski Process. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2014**, 47, 4891-4896		3
88	System responses to equal doses of photosynthetically usable radiation of blue, green, and red light in the marine diatom Phaeodactylum tricornutum. *PLoS ONE*, **2014**, 9, e114211	3.7	45
87	Naturally occurring phenethyl isothiocyanate-induced inhibition of gastric cancer cell growth by disruption of microtubules. *Journal of Gastroenterology and Hepatology (Australia)*, **2014**, 29 Suppl 4, 99-106	4	8
86	NEVERSHED and INFLORESCENCE DEFICIENT IN ABSCISSION are differentially required for cell expansion and cell separation during floral organ abscission in Arabidopsis thaliana. *Journal of Experimental Botany*, **2013**, 64, 5345-57	7	31
85	Adaptation response of Arabidopsis thaliana to random positioning. *Advances in Space Research*, **2013**, 52, 1320-1331	2.4	6
84	Transcriptome responses to combinations of stresses in Arabidopsis. *Plant Physiology*, **2013**, 161, 1783-94	6.6	334
83	Genome scale transcriptional response diversity among ten ecotypes of Arabidopsis thaliana during heat stress. *Frontiers in Plant Science*, **2013**, 4, 532	6.2	32
82	Gene regulation of carbon fixation, storage, and utilization in the diatom Phaeodactylum tricornutum acclimated to light/dark cycles. *Plant Physiology*, **2013**, 161, 1034-48	6.6	97
81	Genome-scale cold stress response regulatory networks in ten Arabidopsis thaliana ecotypes. *BMC Genomics*, **2013**, 14, 722	4.5	50
80	Pathways of lipid metabolism in marine algae, co-expression network, bottlenecks and candidate genes for enhanced production of EPA and DHA in species of Chromista. *Marine Drugs*, **2013**, 11, 4662-97	6	151
79	Molecular and photosynthetic responses to prolonged darkness and subsequent acclimation to re-illumination in the diatom Phaeodactylum tricornutum. *PLoS ONE*, **2013**, 8, e58722	3.7	87
78	Molecular signatures in Arabidopsis thaliana in response to insect attack and bacterial infection. *PLoS ONE*, **2013**, 8, e58987	3.7	55

77	Metabolite profiling reveals novel multi-level cold responses in the diploid model Fragaria vesca (woodland strawberry). *Phytochemistry*, **2012**, 77, 99-109	4	31
76	'Myrosin cells' are not a prerequisite for aphid feeding on oilseed rape (Brassica napus) but affect host plant preferences. *Plant Biology*, **2012**, 14, 894-904	3.7	10
75	Ecotype dependent expression and alternative splicing of epithiospecifier protein (ESP) in Arabidopsis thaliana. *Plant Molecular Biology*, **2012**, 78, 361-75	4.6	14
74	Genome wide transcriptional profiling of acclimation to photoperiod in high-latitude accessions of Arabidopsis thaliana. *Plant Science*, **2012**, 185-186, 143-55	5.3	7
73	Phytoalexins in defense against pathogens. *Trends in Plant Science*, **2012**, 17, 73-90	13.1	613
72	Characterization of recombinant nitrile-specifier proteins (NSPs) of Arabidopsis thaliana: dependency on Fe(II) ions and the effect of glucosinolate substrate and reaction conditions. *Phytochemistry*, **2012**, 84, 7-17	4	22
71	Genome-wide profiling of responses to cadmium in the diatom Phaeodactylum tricornutum. *Environmental Science & Technology*, **2011**, 45, 7640-7	10.3	38
70	Defence Mechanisms of Brassicaceae: Implications for Plant-Insect Interactions and Potential for Integrated Pest Management **2011**, 623-670		6
69	Arabidopsis thaliana MIRO1 and MIRO2 GTPases are unequally redundant in pollen tube growth and fusion of polar nuclei during female gametogenesis. *PLoS ONE*, **2011**, 6, e18530	3.7	17
68	Genome-wide gene expression profiles in response to plastid division perturbations. *Planta*, **2011**, 234, 1055-63	4.7	4
67	Phytochemicals of Brassicaceae in plant protection and human health--influences of climate, environment and agronomic practice. *Phytochemistry*, **2011**, 72, 538-56	4	248
66	Testing the importance of jasmonate signalling in induction of plant defences upon cabbage aphid (Brevicoryne brassicae) attack. *BMC Genomics*, **2011**, 12, 423	4.5	48
65	Oilseed rape seeds with ablated defence cells of the glucosinolate-myrosinase system. Production and characteristics of double haploid MINELESS plants of Brassica napus L. *Journal of Experimental Botany*, **2011**, 62, 4975-93	7	15
64	Arabidopsis class I KNOTTED-like homeobox proteins act downstream in the IDA-HAE/HSL2 floral abscission signaling pathway. *Plant Cell*, **2011**, 23, 2553-67	11.6	94
63	Systems Biology: A Promising Tool to Study Abiotic Stress Responses **2011**, 163-172		10
62	Systems Biology: A Promising Tool to Study Abiotic Stress Responses **2011**, 163-172		2
61	A Bayesian hierarchical model for quantitative real-time PCR data. *Statistical Applications in Genetics and Molecular Biology*, **2010**, 9, Article 3	1.2	4
60	Removing the mustard oil bomb from seeds: transgenic ablation of myrosin cells in oilseed rape (Brassica napus) produces MINELESS seeds. *Journal of Experimental Botany*, **2010**, 61, 1683-97	7	29

59	Defence mechanisms of Brassicaceae: implications for plant-insect interactions and potential for integrated pest management. A review. *Agronomy for Sustainable Development*, **2010**, 30, 311-348	6.8	153
58	Quantification of gemcitabine incorporation into human DNA by LC/MS/MS as a surrogate measure for target engagement. *Analytical Chemistry*, **2010**, 82, 6576-83	7.8	15
57	Plant molecular stress responses face climate change. *Trends in Plant Science*, **2010**, 15, 664-74	13.1	655
56	Transcriptional profiling of an Fd-GOGAT1/GLU1 mutant in Arabidopsis thaliana reveals a multiple stress response and extensive reprogramming of the transcriptome. *BMC Genomics*, **2010**, 11, 190	4.5	25
55	Nitrile-specifier proteins involved in glucosinolate hydrolysis in Arabidopsis thaliana. *Journal of Biological Chemistry*, **2009**, 284, 12057-70	5.4	98
54	The □mustard oil bomb□not so easy to assemble?! Localization, expression and distribution of the components of the myrosinase enzyme system. *Phytochemistry Reviews*, **2009**, 8, 69-86	7.7	178
53	AtMBD8 is involved in control of flowering time in the C24 ecotype of Arabidopsis thaliana. *Physiologia Plantarum*, **2009**, 136, 110-26	4.6	13
52	Plant peptides in signalling: looking for new partners. *Trends in Plant Science*, **2009**, 14, 255-63	13.1	107
51	An integrated analysis of molecular acclimation to high light in the marine diatom Phaeodactylum tricornutum. *PLoS ONE*, **2009**, 4, e7743	3.7	177
50	The FRO2 ferric reductase is required for glycine betaine's effect on chilling tolerance in Arabidopsis roots. *Physiologia Plantarum*, **2008**, 134, 334-41	4.6	29
49	Towards global understanding of plant defence against aphids--timing and dynamics of early Arabidopsis defence responses to cabbage aphid (Brevicoryne brassicae) attack. *Plant, Cell and Environment*, **2008**, 31, 1097-115	8.4	216
48	A mixture model approach to sample size estimation in two-sample comparative microarray experiments. *BMC Bioinformatics*, **2008**, 9, 117	3.6	11
47	Membrane-trafficking RabA4c involved in the effect of glycine betaine on recovery from chilling stress in Arabidopsis. *Physiologia Plantarum*, **2007**, 130, 511-518	4.6	51
46	The synthesis and enzymic hydrolysis of (E)-2-[2,3-2H2]propenyl glucosinolate: confirmation of the rearrangement of the thiohydroximate moiety. *Phytochemistry*, **2007**, 68, 1384-90	4	21
45	Transcriptional responses of Arabidopsis thaliana ecotypes with different glucosinolate profiles after attack by polyphagous Myzus persicae and oligophagous Brevicoryne brassicae. *Journal of Experimental Botany*, **2007**, 58, 2537-52	7	123
44	ROS Signaling Pathways in Chilling Stress. *Plant Signaling and Behavior*, **2007**, 2, 365-7	2.5	41
43	The cabbage aphid: a walking mustard oil bomb. *Proceedings of the Royal Society B: Biological Sciences*, **2007**, 274, 2271-7	4.4	130
42	Understanding sample size: what determines the required number of microarrays for an experiment?. *Trends in Plant Science*, **2007**, 12, 46-50	13.1	29

41	A RHOse by any other name: a comparative analysis of animal and plant Rho GTPases. *Cell Research*, **2006**, 16, 435-45	24.7	70
40	The enzymic and chemically induced decomposition of glucosinolates. *Phytochemistry*, **2006**, 67, 1053-674		427
39	The crystal structure of Arabidopsis thaliana RAC7/ROP9: the first RAS superfamily GTPase from the plant kingdom. *Phytochemistry*, **2006**, 67, 2332-40	4	29
38	Crystal structure at 1.1 Angstroms resolution of an insect myrosinase from Brevicoryne brassicae shows its close relationship to beta-glucosidases. *Insect Biochemistry and Molecular Biology*, **2005**, 35, 1311-20	4.5	49
37	Characterisation of recombinant epithiospecifier protein and its over-expression in Arabidopsis thaliana. *Phytochemistry*, **2005**, 66, 859-67	4	57
36	Volatile profiling of Arabidopsis thaliana - putative olfactory compounds in plant communication. *Phytochemistry*, **2005**, 66, 1941-55	4	73
35	Catching the WAVEs of Plant Actin Regulation. *Journal of Plant Growth Regulation*, **2005**, 24, 55-66	4.7	6
34	The small GTPase AtRAC2/ROP7 is specifically expressed during late stages of xylem differentiation in Arabidopsis. *Journal of Experimental Botany*, **2005**, 56, 2465-76	7	43
33	NAPP and PIRP encode subunits of a putative wave regulatory protein complex involved in plant cell morphogenesis. *Plant Cell*, **2004**, 16, 2335-49	11.6	87
32	Cell specific, cross-species expression of myrosinases in Brassica napus, Arabidopsis thaliana and Nicotiana tabacum. *Plant Molecular Biology*, **2004**, 54, 597-611	4.6	70
31	Chapter six A novel myrosinase-glucosinolate defense system in, cruciferous specialist aphids. *Recent Advances in Phytochemistry*, **2003**, 37, 127-142		8
30	Guard cell- and phloem idioblast-specific expression of thioglucoside glucohydrolase 1 (myrosinase) in Arabidopsis. *Plant Physiology*, **2002**, 128, 1180-8	6.6	122
29	Spatial organization of the glucosinolate-myrosinase system in brassica specialist aphids is similar to that of the host plant. *Proceedings of the Royal Society B: Biological Sciences*, **2002**, 269, 187-91	4.4	113
28	Characterization and evolution of a myrosinase from the cabbage aphid Brevicoryne brassicae. *Insect Biochemistry and Molecular Biology*, **2002**, 32, 275-84	4.5	44
27	Microautoradiographic localisation of a glucosinolate precursor to specific cells in Brassica napus L. embryos indicates a separate transport pathway into myrosin cells. *Planta*, **2001**, 213, 207-13	4.7	16
26	Purification and characterisation of a non-plant myrosinase from the cabbage aphid Brevicoryne brassicae (L.). *Insect Biochemistry and Molecular Biology*, **2001**, 31, 1-5	4.5	71
25	Purification and characterisation of epithiospecifier protein from Brassica napus: enzymic intramolecular sulphur addition within alkenyl thiohydroximates derived from alkenyl glucosinolate hydrolysis. *FEBS Letters*, **2000**, 468, 243-6	3.8	86
24	Genetic structure and evolution of RAC-GTPases in Arabidopsis thaliana. *Genetics*, **2000**, 156, 1959-71	4	104

23	Horizontal gene transfer from transgenic plants to terrestrial bacteria--a rare event?. *FEMS Microbiology Reviews*, **1998**, 22, 79-103	15.1	136
22	Horizontal gene transfer from transgenic plants to terrestrial bacteria □a rare event?. *FEMS Microbiology Reviews*, **1998**, 22, 79-103	15.1	31
21	Sub-cellular immunolocalization of the glucosinolate sinigrin in seedlings of Brassica juncea. *Planta*, **1998**, 206, 370-7	4.7	115
20	Sulphate and micronutrients can modulate the expression levels of myrosinases in Sinapis alba plants. *Physiologia Plantarum*, **1998**, 104, 30-37	4.6	12
19	Performance of transgenic plants of potato (Solanum tuberosum cv. Laila) grown in vitro in greenhouse and in a field trial. *Acta Agriculturae Scandinavica - Section B Soil and Plant Science*, **1997** , 47, 156-167	1.1	
18	Metabolism of [□14C]-Desulphophenethylglucosinolate in Nasturtium officinale. *Phytochemistry*, **1997**, 44, 1251-1255	4	15
17	Cloning and characterization of rac-like cDNAs from Arabidopsis thaliana. *Plant Molecular Biology*, **1997**, 35, 483-95	4.6	102
16	Evaluation of possible horizontal gene transfer from transgenic plants to the soil bacterium Acinetobacter calcoaceticus BD413. *Theoretical and Applied Genetics*, **1997**, 95, 815-821	6	64
15	The myrosinase-glucosinolate system, its organisation and biochemistry. *Physiologia Plantarum*, **1996**, 97, 194-208	4.6	459
14	The myrosinase-glucosinolate system, its organisation and biochemistry. *Physiologia Plantarum*, **1996**, 97, 194-208	4.6	385
13	Sulphate can induce differential expression of thioglucoside glucohydrolases (myrosinases). *Planta*, **1994**, 193, 558-566	4.7	20
12	Arabidopsis cDNA sequence encoding myrosinase. *Plant Physiology*, **1993**, 103, 671	6.6	38
11	The myrosinase (thioglucoside glucohydrolase) gene family in Brassicaceae. *Plant Molecular Biology* , **1993**, 23, 511-24	4.6	54
10	Expression and occurrence of uracil-DNA glycosylase in higher plants. *Physiologia Plantarum*, **1993**, 88, 682-688	4.6	7
9	Purification and characterization of a nitrilase from Brassica napus. *Physiologia Plantarum*, **1993**, 89, 811-816	4.6	26
8	Purification and characterization of a nitrilase from Brassica napus. *Physiologia Plantarum*, **1993**, 89, 811-816	4.6	4
7	Immunogold-EM localization of myrosinase in Brassicaceae. *Protoplasma*, **1991**, 161, 85-93	3.4	56
6	Fate of Myrosin Cells: Characterization of Monoclonal Antibodies Against Myrosinase. *Journal of Experimental Botany*, **1991**, 42, 1541-1550	7	41

5	Distribution of Thioglucosidase Activity in Intact Plants, Cell and Tissue 6Brassica napus L.. *Journal of Experimental Botany*, **1990**, 41, 737-744	7	45
4	Purification, Characterization and Partial Amino Acid Sequencing of Thioglucosidase from Brassica napus L.. *Journal of Plant Physiology*, **1989**, 134, 722-729	3.6	47
3	TheSeminavis robustagenome provides insights into the evolutionary adaptations of benthic diatoms		1
2	DNAqua-Net: Developing new genetic tools for bioassessment and monitoring of aquatic ecosystems in Europe. *Research Ideas and Outcomes*,2, e11321	2.5	102
1	Improving Crop Productivity and Abiotic Stress Tolerance in Cultivated Fragaria Using Omics and Systems Biology Approach449-484		