

Atle M Bones

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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	Plant molecular stress responses face climate change. <i>Trends in Plant Science</i> , 2010 , 15, 664-74	13.1	655
147	Phytoalexins in defense against pathogens. <i>Trends in Plant Science</i> , 2012 , 17, 73-90	13.1	613
146	The myrosinase-glucosinolate system, its organisation and biochemistry. <i>Physiologia Plantarum</i> , 1996 , 97, 194-208	4.6	459
145	The enzymic and chemically induced decomposition of glucosinolates. <i>Phytochemistry</i> , 2006 , 67, 1053-674	4.6	427
144	The myrosinase-glucosinolate system, its organisation and biochemistry. <i>Physiologia Plantarum</i> , 1996 , 97, 194-208	4.6	385
143	Transcriptome responses to combinations of stresses in Arabidopsis. <i>Plant Physiology</i> , 2013 , 161, 1783-94.6	4.6	334
142	Phytochemicals of Brassicaceae in plant protection and human health--influences of climate, environment and agronomic practice. <i>Phytochemistry</i> , 2011 , 72, 538-56	4	248
141	A CRISPR/Cas9 system adapted for gene editing in marine algae. <i>Scientific Reports</i> , 2016 , 6, 24951	4.9	238
140	Towards global understanding of plant defence against aphids--timing and dynamics of early Arabidopsis defence responses to cabbage aphid (<i>Brevicoryne brassicae</i>) attack. <i>Plant, Cell and Environment</i> , 2008 , 31, 1097-115	8.4	216
139	The mustard oil bomb--not so easy to assemble?! Localization, expression and distribution of the components of the myrosinase enzyme system. <i>Phytochemistry Reviews</i> , 2009 , 8, 69-86	7.7	178
138	An integrated analysis of molecular acclimation to high light in the marine diatom <i>Phaeodactylum tricornutum</i> . <i>PLoS ONE</i> , 2009 , 4, e7743	3.7	177
137	Defence mechanisms of Brassicaceae: implications for plant-insect interactions and potential for integrated pest management. A review. <i>Agronomy for Sustainable Development</i> , 2010 , 30, 311-348	6.8	153
136	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. <i>Marine Drugs</i> , 2013 , 11, 4662-976	6	151
135	Whole-cell response to nitrogen deprivation in the diatom <i>Phaeodactylum tricornutum</i> . <i>Journal of Experimental Botany</i> , 2015 , 66, 6281-96	7	147
134	Horizontal gene transfer from transgenic plants to terrestrial bacteria--a rare event?. <i>FEMS Microbiology Reviews</i> , 1998 , 22, 79-103	15.1	136
133	The cabbage aphid: a walking mustard oil bomb. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 2271-7	4.4	130
132	Transcriptional responses of <i>Arabidopsis thaliana</i> ecotypes with different glucosinolate profiles after attack by polyphagous <i>Myzus persicae</i> and oligophagous <i>Brevicoryne brassicae</i> . <i>Journal of Experimental Botany</i> , 2007 , 58, 2537-52	7	123

131	Guard cell- and phloem idioblast-specific expression of thioglucoside glucohydrolase 1 (myrosinase) in Arabidopsis. <i>Plant Physiology</i> , 2002 , 128, 1180-8	6.6	122
130	Sub-cellular immunolocalization of the glucosinolate sinigrin in seedlings of Brassica juncea. <i>Planta</i> , 1998 , 206, 370-7	4.7	115
129	Spatial organization of the glucosinolate-myrosinase system in brassica specialist aphids is similar to that of the host plant. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 187-91	4.4	113
128	Plant peptides in signalling: looking for new partners. <i>Trends in Plant Science</i> , 2009 , 14, 255-63	13.1	107
127	Genetic structure and evolution of RAC-GTPases in Arabidopsis thaliana. <i>Genetics</i> , 2000 , 156, 1959-71	4	104
126	Cloning and characterization of rac-like cDNAs from Arabidopsis thaliana. <i>Plant Molecular Biology</i> , 1997 , 35, 483-95	4.6	102
125	DNAqua-Net: Developing new genetic tools for bioassessment and monitoring of aquatic ecosystems in Europe. <i>Research Ideas and Outcomes</i> , 2 , e11321	2.5	102
124	Nitrile-specifier proteins involved in glucosinolate hydrolysis in Arabidopsis thaliana. <i>Journal of Biological Chemistry</i> , 2009 , 284, 12057-70	5.4	98
123	Gene regulation of carbon fixation, storage, and utilization in the diatom Phaeodactylum tricornutum acclimated to light/dark cycles. <i>Plant Physiology</i> , 2013 , 161, 1034-48	6.6	97
122	Arabidopsis class I KNOTTED-like homeobox proteins act downstream in the IDA-HAE/HSL2 floral abscission signaling pathway. <i>Plant Cell</i> , 2011 , 23, 2553-67	11.6	94
121	Molecular and photosynthetic responses to prolonged darkness and subsequent acclimation to re-illumination in the diatom Phaeodactylum tricornutum. <i>PLoS ONE</i> , 2013 , 8, e58722	3.7	87
120	NAPP and PIRP encode subunits of a putative wave regulatory protein complex involved in plant cell morphogenesis. <i>Plant Cell</i> , 2004 , 16, 2335-49	11.6	87
119	Purification and characterisation of epithiospecifier protein from Brassica napus: enzymic intramolecular sulphur addition within alkenyl thiohydroximates derived from alkenyl glucosinolate hydrolysis. <i>FEBS Letters</i> , 2000 , 468, 243-6	3.8	86
118	Volatile profiling of Arabidopsis thaliana - putative olfactory compounds in plant communication. <i>Phytochemistry</i> , 2005 , 66, 1941-55	4	73
117	Purification and characterisation of a non-plant myrosinase from the cabbage aphid Brevicoryne brassicae (L.). <i>Insect Biochemistry and Molecular Biology</i> , 2001 , 31, 1-5	4.5	71
116	A RHOse by any other name: a comparative analysis of animal and plant Rho GTPases. <i>Cell Research</i> , 2006 , 16, 435-45	24.7	70
115	Cell specific, cross-species expression of myrosinases in Brassica napus, Arabidopsis thaliana and Nicotiana tabacum. <i>Plant Molecular Biology</i> , 2004 , 54, 597-611	4.6	70
114	The effects of phosphorus limitation on carbon metabolism in diatoms. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	66

113	Evaluation of possible horizontal gene transfer from transgenic plants to the soil bacterium <i>Acinetobacter calcoaceticus</i> BD413. <i>Theoretical and Applied Genetics</i> , 1997 , 95, 815-821	6	64
112	Characterisation of recombinant epithiospecifier protein and its over-expression in <i>Arabidopsis thaliana</i> . <i>Phytochemistry</i> , 2005 , 66, 859-67	4	57
111	Immunogold-EM localization of myrosinase in Brassicaceae. <i>Protoplasma</i> , 1991 , 161, 85-93	3.4	56
110	Molecular signatures in <i>Arabidopsis thaliana</i> in response to insect attack and bacterial infection. <i>PLoS ONE</i> , 2013 , 8, e58987	3.7	55
109	The myrosinase (thioglucoside glucohydrolase) gene family in Brassicaceae. <i>Plant Molecular Biology</i> , 1993 , 23, 511-24	4.6	54
108	A sex-inducing pheromone triggers cell cycle arrest and mate attraction in the diatom <i>Seminavis robusta</i> . <i>Scientific Reports</i> , 2016 , 6, 19252	4.9	51
107	Membrane-trafficking RabA4c involved in the effect of glycine betaine on recovery from chilling stress in <i>Arabidopsis</i> . <i>Physiologia Plantarum</i> , 2007 , 130, 511-518	4.6	51
106	Genome-scale cold stress response regulatory networks in ten <i>Arabidopsis thaliana</i> ecotypes. <i>BMC Genomics</i> , 2013 , 14, 722	4.5	50
105	Crystal structure at 1.1 Angstroms resolution of an insect myrosinase from <i>Brevicoryne brassicae</i> shows its close relationship to beta-glucosidases. <i>Insect Biochemistry and Molecular Biology</i> , 2005 , 35, 1311-20	4.5	49
104	Mechanisms of Phosphorus Acquisition and Lipid Class Remodeling under P Limitation in a Marine Microalga. <i>Plant Physiology</i> , 2017 , 175, 1543-1559	6.6	48
103	Testing the importance of jasmonate signalling in induction of plant defences upon cabbage aphid (<i>Brevicoryne brassicae</i>) attack. <i>BMC Genomics</i> , 2011 , 12, 423	4.5	48
102	Multidimensional approaches for studying plant defence against insects: from ecology to omics and synthetic biology. <i>Journal of Experimental Botany</i> , 2015 , 66, 479-93	7	47
101	Purification, Characterization and Partial Amino Acid Sequencing of Thioglucosidase from <i>Brassica napus</i> L.. <i>Journal of Plant Physiology</i> , 1989 , 134, 722-729	3.6	47
100	Molecular adaptations to phosphorus deprivation and comparison with nitrogen deprivation responses in the diatom <i>Phaeodactylum tricornutum</i> . <i>PLoS ONE</i> , 2018 , 13, e0193335	3.7	46
99	Transcriptional regulatory networks in <i>Arabidopsis thaliana</i> during single and combined stresses. <i>Nucleic Acids Research</i> , 2016 , 44, 3147-64	20.1	45
98	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. <i>Journal of Experimental Botany</i> , 2015 , 66, 5351-65	7	45
97	System responses to equal doses of photosynthetically usable radiation of blue, green, and red light in the marine diatom <i>Phaeodactylum tricornutum</i> . <i>PLoS ONE</i> , 2014 , 9, e114211	3.7	45
96	Distribution of Thioglucosidase Activity in Intact Plants, Cell and Tissue 6 <i>Brassica napus</i> L.. <i>Journal of Experimental Botany</i> , 1990 , 41, 737-744	7	45

95	Characterization and evolution of a myrosinase from the cabbage aphid <i>Brevicoryne brassicae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2002 , 32, 275-84	4.5	44
94	The small GTPase AtRAC2/ROP7 is specifically expressed during late stages of xylem differentiation in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2005 , 56, 2465-76	7	43
93	ROS Signaling Pathways in Chilling Stress. <i>Plant Signaling and Behavior</i> , 2007 , 2, 365-7	2.5	41
92	Fate of Myrosin Cells: Characterization of Monoclonal Antibodies Against Myrosinase. <i>Journal of Experimental Botany</i> , 1991 , 42, 1541-1550	7	41
91	Genome-wide profiling of responses to cadmium in the diatom <i>Phaeodactylum tricornutum</i> . <i>Environmental Science & Technology</i> , 2011 , 45, 7640-7	10.3	38
90	<i>Arabidopsis</i> cDNA sequence encoding myrosinase. <i>Plant Physiology</i> , 1993 , 103, 671	6.6	38
89	Genome editing in diatoms: achievements and goals. <i>Plant Cell Reports</i> , 2018 , 37, 1401-1408	5.1	36
88	The chloroplast genome of the diatom <i>Seminavis robusta</i> : new features introduced through multiple mechanisms of horizontal gene transfer. <i>Marine Genomics</i> , 2014 , 16, 17-27	1.9	34
87	Genome scale transcriptional response diversity among ten ecotypes of <i>Arabidopsis thaliana</i> during heat stress. <i>Frontiers in Plant Science</i> , 2013 , 4, 532	6.2	32
86	Metabolite profiling reveals novel multi-level cold responses in the diploid model <i>Fragaria vesca</i> (woodland strawberry). <i>Phytochemistry</i> , 2012 , 77, 99-109	4	31
85	NEVERSHED and INFLORESCENCE DEFICIENT IN ABSCISSION are differentially required for cell expansion and cell separation during floral organ abscission in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2013 , 64, 5345-57	7	31
84	Horizontal gene transfer from transgenic plants to terrestrial bacteria: a rare event?. <i>FEMS Microbiology Reviews</i> , 1998 , 22, 79-103	15.1	31
83	Disintegration of microtubules in <i>Arabidopsis thaliana</i> and bladder cancer cells by isothiocyanates. <i>Frontiers in Plant Science</i> , 2015 , 6, 6	6.2	30
82	Transgene-free genome editing in marine algae by bacterial conjugation - comparison with biolistic CRISPR/Cas9 transformation. <i>Scientific Reports</i> , 2018 , 8, 14401	4.9	30
81	Removing the mustard oil bomb from seeds: transgenic ablation of myrosin cells in oilseed rape (<i>Brassica napus</i>) produces MINELESS seeds. <i>Journal of Experimental Botany</i> , 2010 , 61, 1683-97	7	29
80	The FRO2 ferric reductase is required for glycine betaine's effect on chilling tolerance in <i>Arabidopsis</i> roots. <i>Physiologia Plantarum</i> , 2008 , 134, 334-41	4.6	29
79	Understanding sample size: what determines the required number of microarrays for an experiment?. <i>Trends in Plant Science</i> , 2007 , 12, 46-50	13.1	29
78	The crystal structure of <i>Arabidopsis thaliana</i> RAC7/ROP9: the first RAS superfamily GTPase from the plant kingdom. <i>Phytochemistry</i> , 2006 , 67, 2332-40	4	29

77	Allyl isothiocyanate depletes glutathione and upregulates expression of glutathione S-transferases in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2015 , 6, 277	6.2	28
76	Purification and characterization of a nitrilase from <i>Brassica napus</i> . <i>Physiologia Plantarum</i> , 1993 , 89, 811-816	4.6	26
75	Transcriptional profiling of an Fd-GOGAT1/GLU1 mutant in <i>Arabidopsis thaliana</i> reveals a multiple stress response and extensive reprogramming of the transcriptome. <i>BMC Genomics</i> , 2010 , 11, 190	4.5	25
74	The <i>Semina vis robusta</i> genome provides insights into the evolutionary adaptations of benthic diatoms. <i>Nature Communications</i> , 2020 , 11, 3320	17.4	23
73	Glucosinolate-Derived Isothiocyanates Inhibit <i>Arabidopsis</i> Growth and the Potency Depends on Their Side Chain Structure. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	23
72	Characterization of recombinant nitrile-specifier proteins (NSPs) of <i>Arabidopsis thaliana</i> : dependency on Fe(II) ions and the effect of glucosinolate substrate and reaction conditions. <i>Phytochemistry</i> , 2012 , 84, 7-17	4	22
71	The synthesis and enzymic hydrolysis of (E)-2-[2,3-2H ₂]propenyl glucosinolate: confirmation of the rearrangement of the thiohydroximate moiety. <i>Phytochemistry</i> , 2007 , 68, 1384-90	4	21
70	The IDA-LIKE peptides IDL6 and IDL7 are negative modulators of stress responses in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2017 , 68, 3557-3571	7	20
69	Sulphate can induce differential expression of thioglucoside glucohydrolases (myrosinases). <i>Planta</i> , 1994 , 193, 558-566	4.7	20
68	Rearing Water Treatment Induces Microbial Selection Influencing the Microbiota and Pathogen Associated Transcripts of Cod () Larvae. <i>Frontiers in Microbiology</i> , 2018 , 9, 851	5.7	19
67	The Myb-like transcription factor phosphorus starvation response (PtPSR) controls conditional P acquisition and remodelling in marine microalgae. <i>New Phytologist</i> , 2020 , 225, 2380-2395	9.8	19
66	bHLH-PAS protein RITMO1 regulates diel biological rhythms in the marine diatom. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 13137-13142	11.5	18
65	Allyl-isothiocyanate treatment induces a complex transcriptional reprogramming including heat stress, oxidative stress and plant defence responses in <i>Arabidopsis thaliana</i> . <i>BMC Genomics</i> , 2016 , 17, 740	4.5	18
64	<i>Arabidopsis thaliana</i> MIRO1 and MIRO2 GTPases are unequally redundant in pollen tube growth and fusion of polar nuclei during female gametogenesis. <i>PLoS ONE</i> , 2011 , 6, e18530	3.7	17
63	Plant defence responses in oilseed rape MINELESS plants after attack by the cabbage moth <i>Mamestra brassicae</i> . <i>Journal of Experimental Botany</i> , 2015 , 66, 579-92	7	16
62	Microautoradiographic localisation of a glucosinolate precursor to specific cells in <i>Brassica napus</i> L. embryos indicates a separate transport pathway into myrosin cells. <i>Planta</i> , 2001 , 213, 207-13	4.7	16
61	The Essentials of Marine Biotechnology. <i>Frontiers in Marine Science</i> , 2021 , 8,	4.5	16
60	Effect of growth temperature on glucosinolate profiles in <i>Arabidopsis thaliana</i> accessions. <i>Phytochemistry</i> , 2016 , 130, 106-18	4	16

59	Heavy metal accumulation by <i>Saccharomyces cerevisiae</i> cells armed with metal binding hexapeptides targeted to the inner face of the plasma membrane. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 5749-5763	5.7	15
58	Quantification of gemcitabine incorporation into human DNA by LC/MS/MS as a surrogate measure for target engagement. <i>Analytical Chemistry</i> , 2010 , 82, 6576-83	7.8	15
57	Oilseed rape seeds with ablated defence cells of the glucosinolate-myrosinase system. Production and characteristics of double haploid MINELESS plants of <i>Brassica napus</i> L. <i>Journal of Experimental Botany</i> , 2011 , 62, 4975-93	7	15
56	Metabolism of [14 C]-Desulphophenethylglucosinolate in <i>Nasturtium officinale</i> . <i>Phytochemistry</i> , 1997 , 44, 1251-1255	4	15
55	Ecotype dependent expression and alternative splicing of epithiospecifier protein (ESP) in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology</i> , 2012 , 78, 361-75	4.6	14
54	<i>Arabidopsis</i> myrosinases link the glucosinolate-myrosinase system and the cuticle. <i>Scientific Reports</i> , 2016 , 6, 38990	4.9	14
53	<i>Arabidopsis</i> mutants impaired in glutathione biosynthesis exhibit higher sensitivity towards the glucosinolate hydrolysis product allyl-isothiocyanate. <i>Scientific Reports</i> , 2018 , 8, 9809	4.9	13
52	Tools for biotechnological studies of the freshwater alga <i>Nannochloropsis limnetica</i> : antibiotic resistance and protoplast production. <i>Journal of Applied Phycology</i> , 2017 , 29, 853-863	3.2	13
51	AtMBD8 is involved in control of flowering time in the C24 ecotype of <i>Arabidopsis thaliana</i> . <i>Physiologia Plantarum</i> , 2009 , 136, 110-26	4.6	13
50	Anchoring plant metallothioneins to the inner face of the plasma membrane of <i>Saccharomyces cerevisiae</i> cells leads to heavy metal accumulation. <i>PLoS ONE</i> , 2017 , 12, e0178393	3.7	13
49	CRISPR/Cas9 Gene Editing in the Marine Diatom. <i>Bio-protocol</i> , 2017 , 7, e2442	0.9	13
48	Loss of ALBINO3b Insertase Results in Truncated Light-Harvesting Antenna in Diatoms. <i>Plant Physiology</i> , 2019 , 181, 1257-1276	6.6	12
47	Gene regulation of lipid and phospholipid metabolism in Atlantic cod (<i>Gadus morhua</i>) larvae. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2015 , 190, 16-26	2.3	12
46	Integrative "omic" analysis reveals distinctive cold responses in leaves and roots of strawberry, <i>Fragaria × ananassa</i> 'Korona'. <i>Frontiers in Plant Science</i> , 2015 , 6, 826	6.2	12
45	Sulphate and micronutrients can modulate the expression levels of myrosinases in <i>Sinapis alba</i> plants. <i>Physiologia Plantarum</i> , 1998 , 104, 30-37	4.6	12
44	CRISPR/Cas9-mediated editing of Δ and Δ desaturases impairs Δ -desaturation and docosahexaenoic acid synthesis in Atlantic salmon (<i>Salmo salar</i> L.). <i>Scientific Reports</i> , 2019 , 9, 16888	4.9	11
43	Dynamic responses to silicon in <i>Thalassiosira pseudonana</i> - Identification, characterisation and classification of signature genes and their corresponding protein motifs. <i>Scientific Reports</i> , 2017 , 7, 48654	4.9	11
42	Gene Mining for Proline Based Signaling Proteins in Cell Wall of. <i>Frontiers in Plant Science</i> , 2017 , 8, 233	6.2	11

41	Allyl isothiocyanate affects the cell cycle of <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2015 , 6, 364	6.2	11
40	A mixture model approach to sample size estimation in two-sample comparative microarray experiments. <i>BMC Bioinformatics</i> , 2008 , 9, 117	3.6	11
39	'Myrosin cells' are not a prerequisite for aphid feeding on oilseed rape (<i>Brassica napus</i>) but affect host plant preferences. <i>Plant Biology</i> , 2012 , 14, 894-904	3.7	10
38	Allyl Isothiocyanate Inhibits Actin-Dependent Intracellular Transport in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2015 , 16, 29134-47	6.3	10
37	Systems Biology: A Promising Tool to Study Abiotic Stress Responses 2011 , 163-172		10
36	The RopGEF2-ROP7/ROP2 Pathway Activated by phyB Suppresses Red Light-Induced Stomatal Opening. <i>Plant Physiology</i> , 2017 , 174, 717-731	6.6	9
35	The Role of a Glucosinolate-Derived Nitrile in Plant Immune Responses. <i>Frontiers in Plant Science</i> , 2020 , 11, 257	6.2	9
34	Benzyl Cyanide Leads to Auxin-Like Effects Through the Action of Nitrilases in. <i>Frontiers in Plant Science</i> , 2018 , 9, 1240	6.2	9
33	Naturally occurring phenethyl isothiocyanate-induced inhibition of gastric cancer cell growth by disruption of microtubules. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2014 , 29 Suppl 4, 99-106	4	8
32	Chapter six A novel myrosinase-glucosinolate defense system in, cruciferous specialist aphids. <i>Recent Advances in Phytochemistry</i> , 2003 , 37, 127-142		8
31	A New Network for the Advancement of Marine Biotechnology in Europe and Beyond. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	7
30	Light Regulation of LHCX Genes in the Benthic Diatom <i>Seminavis robusta</i> . <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	7
29	Genome wide transcriptional profiling of acclimation to photoperiod in high-latitude accessions of <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2012 , 185-186, 143-55	5.3	7
28	Expression and occurrence of uracil-DNA glycosylase in higher plants. <i>Physiologia Plantarum</i> , 1993 , 88, 682-688	4.6	7
27	Accumulation of Ag(I) by <i>Saccharomyces cerevisiae</i> Cells Expressing Plant Metallothioneins. <i>Cells</i> , 2018 , 7,	7.9	7
26	Adaptation response of <i>Arabidopsis thaliana</i> to random positioning. <i>Advances in Space Research</i> , 2013 , 52, 1320-1331	2.4	6
25	Defence Mechanisms of Brassicaceae: Implications for Plant-Insect Interactions and Potential for Integrated Pest Management 2011 , 623-670		6
24	Catching the WAVES of Plant Actin Regulation. <i>Journal of Plant Growth Regulation</i> , 2005 , 24, 55-66	4.7	6

23	Dietary fatty acid source has little effect on the development of the immune system in the pyloric caeca of Atlantic salmon fry. <i>Scientific Reports</i> , 2019 , 9, 27	4.9	5
22	Comparative transcriptomics reveals domestication-associated features of Atlantic salmon lipid metabolism. <i>Molecular Ecology</i> , 2020 , 29, 1860-1872	5.7	5
21	Genome-wide gene expression profiles in response to plastid division perturbations. <i>Planta</i> , 2011 , 234, 1055-63	4.7	4
20	A Bayesian hierarchical model for quantitative real-time PCR data. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2010 , 9, Article 3	1.2	4
19	Molecular Identification and Pathological Characteristics of NPV Isolated from Spodoptera litura (Fabricius) in Pakistan. <i>Pakistan Journal of Zoology</i> , 2018 , 50,	1.7	4
18	Sub-lethal Dose Responses of Native Polyhydroviruses and Spinosad for Economical and Sustainable Management of Spodoptera litura in Pakistan. <i>Pakistan Journal of Zoology</i> , 2020 , 52,	1.7	4
17	Differential Effects of Dietary Supplementation of Krill Meal, Soybean Meal, Butyrate, and Bactocell on the Gene Expression of Atlantic Salmon Head Kidney. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
16	Purification and characterization of a nitrilase from Brassica napus. <i>Physiologia Plantarum</i> , 1993 , 89, 811-816	4.6	4
15	Simultaneous knockout of multiple LHCF genes using single sgRNAs and engineering of a high-fidelity Cas9 for precise genome editing in marine algae. <i>Plant Biotechnology Journal</i> , 2021 , 19, 1658-1669	11.6	4
14	PAMP-INDUCED SECRETED PEPTIDE 3 modulates immunity in Arabidopsis. <i>Journal of Experimental Botany</i> , 2020 , 71, 850-864	7	3
13	Nonlinear State Estimation in the Czoehrlski Process. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 4891-4896		3
12	Chemopreventive Effects of Dietary Isothiocyanates in Animal Models of Gastric Cancer and Synergistic Anticancer Effects With Cisplatin in Human Gastric Cancer Cells. <i>Frontiers in Pharmacology</i> , 2021 , 12, 613458	5.6	3
11	Systems Biology: A Promising Tool to Study Abiotic Stress Responses		2
10	The Imaging of Guard Cells of () Mutants of Arabidopsis Further Links Plant Chemical Defence Systems with Physical Defence Barriers. <i>Cells</i> , 2021 , 10,	7.9	2
9	Unique photosynthetic electron transport tuning and excitation distribution in heterokont algae. <i>PLoS ONE</i> , 2019 , 14, e0209920	3.7	1
8	Assessment of oxidative stress response genes in exposed to oil contamination - Polyphenol oxidase as a biomarker. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020 , 28, e00565	5.3	1
7	The <i>Semina</i> robust genome provides insights into the evolutionary adaptations of benthic diatoms		1
6	Phenylalanine Hydroxylase RNAi Knockdown Negatively Affects Larval Development, Molting and Swimming Performance of Salmon Lice. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	1

5	Principles and Methods of Counteracting Harmful Salmon-Arthropod Interactions in Salmon Farming: Addressing Possibilities, Limitations, and Future Options. <i>Frontiers in Marine Science</i> , 2021 , 8, 4.5 1
4	Functional studies of CpSRP54 in diatoms show that the mechanism of thylakoid protein insertion differs from that in plants and green algae. <i>Plant Journal</i> , 2021 , 106, 113-132 6.9 1
3	Ilb-RAD-sequencing coupled with random forest classification indicates regional population structuring and sex-specific differentiation in salmon lice (). <i>Ecology and Evolution</i> , 2022 , 12, e8809 2.8 1
2	Performance of transgenic plants of potato (<i>Solanum tuberosum</i> cv. Laila) grown in vitro in greenhouse and in a field trial. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 1997 , 47, 156-167 1.1
1	Improving Crop Productivity and Abiotic Stress Tolerance in Cultivated <i>Fragaria</i> Using Omics and Systems Biology Approach 449-484