

# Basel Khraiwesh

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31  
papers

1,680  
citations

15  
h-index

35  
g-index

35  
ext. papers

1,985  
ext. citations

6  
avg, IF

4.66  
L-index

#	Paper	IF	Citations
31	Mapping of Gene in Barley Using GWAS Approach and Its Implication in Salt Tolerance Mechanism. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 156	6.2	40
30	Safranal induces DNA double-strand breakage and ER-stress-mediated cell death in hepatocellular carcinoma cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 16951	4.9	64
29	Alternative Poly(A) Tails Meet miRNA Targeting in. <i>Genetics</i> , <b>2017</b> , 206, 755-756	4	2
28	Intracellular spectral recompositioning of light enhances algal photosynthetic efficiency. <i>Science Advances</i> , <b>2017</b> , 3, e1603096	14.3	28
27	The genome and phenome of the green alga UTEX 3007 reveal adaptive traits for desert acclimatization. <i>ELife</i> , <b>2017</b> , 6,	8.9	14
26	The in vitro selection world. <i>Methods</i> , <b>2016</b> , 106, 3-13	4.6	34
25	Single-Cell Characterization of Microalgal Lipid Contents with Confocal Raman Microscopy. <i>Series in Bioengineering</i> , <b>2016</b> , 363-382	0.7	1
24	Algal Cell Factories: Approaches, Applications, and Potentials. <i>Marine Drugs</i> , <b>2016</b> , 14,	6	46
23	Systems level analysis of the <i>Chlamydomonas reinhardtii</i> metabolic network reveals variability in evolutionary co-conservation. <i>Molecular BioSystems</i> , <b>2016</b> , 12, 2394-407		7
22	Whole-Genome Resequencing Reveals Extensive Natural Variation in the Model Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , <b>2015</b> , 27, 2353-69	11.6	60
21	Genome-wide expression analysis offers new insights into the origin and evolution of <i>Physcomitrella patens</i> stress response. <i>Scientific Reports</i> , <b>2015</b> , 5, 17434	4.9	33
20	An integrative Raman microscopy-based workflow for rapid in situ analysis of microalgal lipid bodies. <i>Biotechnology for Biofuels</i> , <b>2015</b> , 8, 164	7.8	44
19	Molecular Genetic Techniques for Algal Bioengineering. <i>Biofuel and Biorefinery Technologies</i> , <b>2015</b> , 155-171		1
18	Prospective Applications of Synthetic Biology for Algal Bioproduct Optimization. <i>Biofuel and Biorefinery Technologies</i> , <b>2015</b> , 137-154	1	1
17	Toward Applications of Genomics and Metabolic Modeling to Improve Algal Biomass Productivity. <i>Biofuel and Biorefinery Technologies</i> , <b>2015</b> , 173-189	1	4
16	Subtractive hybridization-mediated analysis of genes and in silico prediction of associated microRNAs under waterlogged conditions in sugarcane ( <i>Saccharum</i> spp.). <i>FEBS Open Bio</i> , <b>2014</b> , 4, 533-41 <sup>2-7</sup>		9
15	Abiotic Stress-Responsive Small RNA-Mediated Plant Improvement Under a Changing Climate <b>2013</b> , 481-506		1

14	Molecular cloning and characterization of Polygalacturonase-Inhibiting Protein and Cinnamoyl-Coa Reductase genes and their association with fruit storage conditions in blueberry ( <i>Vaccinium corymbosum</i> ). <i>Journal of Genetic Engineering and Biotechnology</i> , <b>2013</b> , 11, 1-8	3.1	2
13	Role of RNA interference (RNAi) in the Moss <i>Physcomitrella patens</i> . <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 1516-40	6.3	17
12	Identification and analysis of red sea mangrove ( <i>Avicennia marina</i> ) microRNAs by high-throughput sequencing and their association with stress responses. <i>PLoS ONE</i> , <b>2013</b> , 8, e60774	3.7	27
11	Role of miRNAs and siRNAs in biotic and abiotic stress responses of plants. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2012</b> , 1819, 137-48	6	711
10	Expression of artificial microRNAs in <i>Physcomitrella patens</i> . <i>Methods in Molecular Biology</i> , <b>2012</b> , 847, 293-315	1.4	2
9	Use of Northern blotting for specific detection of small RNA molecules in transgenic plants. <i>Methods in Molecular Biology</i> , <b>2012</b> , 847, 25-32	1.4	3
8	Using nuclear run-on transcription assays in RNAi studies. <i>Methods in Molecular Biology</i> , <b>2011</b> , 744, 199-209		3
7	Treatments that suppress ethylene production or ethylene action modify ADH and AAT gene expression and aroma-related enzyme activities in Delbarde Estivale Apple: consequences for the aroma profiles of fruit. <i>Journal of Horticultural Science and Biotechnology</i> , <b>2011</b> , 86, 182-188	1.9	21
6	Gene function analysis by artificial microRNAs in <i>Physcomitrella patens</i> . <i>Methods in Molecular Biology</i> , <b>2011</b> , 744, 57-79	1.4	9
5	<i>Physcomitrella patens</i> Small RNA Pathways <b>2011</b> , 139-173		1
4	Transcriptional control of gene expression by microRNAs. <i>Cell</i> , <b>2010</b> , 140, 111-22	56.2	361
3	Characterization of blueberry monodehydroascorbate reductase gene and changes in levels of ascorbic acid and the antioxidative capacity of water soluble antioxidants upon storage of fruits under various conditions. <i>Scientia Horticulturae</i> , <b>2010</b> , 125, 390-395	4.1	13
2	Specific gene silencing by artificial MicroRNAs in <i>Physcomitrella patens</i> : an alternative to targeted gene knockouts. <i>Plant Physiology</i> , <b>2008</b> , 148, 684-93	6.6	96
1	Nitrate content in lettuce ( <i>Lactuca sativa</i> L) heads in relation to plant spacing, nitrogen form and irrigation level. <i>Journal of the Science of Food and Agriculture</i> , <b>2004</b> , 84, 931-936	4.3	24