Ãœner Kolukisaoglu

List of Publications by Year
in descending order

45 papers	5,073 citations	186265 28 h-index	243625 44 g-index
49 all docs	49 docs citations	49 times ranked	6383 citing authors

#	Article	IF	Citations
1	Hybrid Chemoenzymatic Synthesis of C7â€Sugars for Molecular Evidence of in vivo Shikimate Pathway Inhibition. ChemBioChem, 2022, , .	2.6	3
2	The Minus-End-Directed Kinesin OsDLK Shuttles to the Nucleus and Modulates the Expression of Cold-Box Factor 4. International Journal of Molecular Sciences, 2022, 23, 6291.	4.1	4
3	Arabidopsis PII Proteins Form Characteristic Foci in Chloroplasts Indicating Novel Properties in Protein Interaction and Degradation. International Journal of Molecular Sciences, 2021, 22, 12666.	4.1	6
4	d-Amino Acids in Plants: Sources, Metabolism, and Functions. International Journal of Molecular Sciences, 2020, 21, 5421.	4.1	22
5	Editorial: Physiological Aspects of Non-proteinogenic Amino Acids in Plants. Frontiers in Plant Science, 2020, 11, 519464.	3.6	11
6	AtDAT1 Is a Key Enzyme of D-Amino Acid Stimulated Ethylene Production in Arabidopsis thaliana. Frontiers in Plant Science, 2019, 10, 1609.	3.6	7
7	The Striking Flower-in-Flower Phenotype of Arabidopsis thaliana Nossen (No-0) is Caused by a Novel LEAFY Allele. Plants, 2019, 8, 599.	3.5	4
8	Nanobody-triggered lockdown of VSRs reveals ligand reloading in the Golgi. Nature Communications, 2018, 9, 643.	12.8	35
9	Salt-inducible expression of OsJAZ8 improves resilience against salt-stress. BMC Plant Biology, 2018, 18, 311.	3.6	33
10	d-Amino Acids Are Exuded by Arabidopsis thaliana Roots to the Rhizosphere. International Journal of Molecular Sciences, 2018, 19, 1109.	4.1	13
11	D-Amino Acids in Plants: New Insights and Aspects, but also More Open Questions. , 2017, , .		1
12	Analyses of Arabidopsis ecotypes reveal metabolic diversity to convert D-amino acids. SpringerPlus, 2013, 2, 559.	1.2	23
13	Screening for Protein-DNA Interactions by Automatable DNA-Protein Interaction ELISA. PLoS ONE, 2013, 8, e75177.	2.5	20
14	The Selaginella Genome Identifies Genetic Changes Associated with the Evolution of Vascular Plants. Science, 2011, 332, 960-963.	12.6	794
15	Uptake and conversion of d-amino acids in Arabidopsis thaliana. Amino Acids, 2011, 40, 553-563.	2.7	48
16	The Influence on Cell Growth Properties in Different Microtiterplate Types by Coronaâ€Dielectric Barrier Discharge Plasma at Atmospheric Pressure. Plasma Processes and Polymers, 2011, 8, 70-76.	3.0	7
17	An update on the ABCC transporter family in plants: many genes, many proteins, but how many functions?. Plant Biology, 2010, 12, 15-25.	3.8	67
18	Future and frontiers of automated screening in plant sciences. Plant Science, 2010, 178, 476-484.	3.6	47

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19	Inhibitory effects of phthalimide derivatives on the activity of the hepatic cytochrome P450 monooxygenases CYP2C9 and CYP2C19. Journal of Enzyme Inhibition and Medicinal Chemistry, 2010, 25, 876-886.	5.2	3
20	Phylogenetic and comparative gene expression analysis of barley (Hordeum vulgare) WRKY transcription factor family reveals putatively retained functions between monocots and dicots. BMC Genomics, 2008, 9, 194.	2.8	204
21	Plant ABC proteins â€“ a unified nomenclature and updated inventory. Trends in Plant Science, 2008, 13, 151-159.	8.8	652
22	Comparative Mutant Analysis of Arabidopsis ABCC-Type ABC Transporters: AtMRP2 Contributes to Detoxification, Vacuolar Organic Anion Transport and Chlorophyll Degradation. Plant and Cell Physiology, 2008, 49, 557-569.	3.1	66
23	Deletion of Glycine Decarboxylase in Arabidopsis Is Lethal under Nonphotorespiratory Conditions. Plant Physiology, 2007, 144, 1328-1335.	4.8	126
24	Mitochondrial Protein Lipoylation Does Not Exclusively Depend on the mtKAS Pathway of de Novo Fatty Acid Synthesis in Arabidopsis. Plant Physiology, 2007, 145, 41-48.	4.8	38
25	Genomics of plant ABC transporters: The alphabet of photosynthetic life forms or just holes in membranes?. FEBS Letters, 2006, 580, 1010-1016.	2.8	66
26	ANALYSIS OF EXPRESSED SEQUENCE TAGS (ESTS) FROM THE POLAR DIATOM FRAGILARIOPSIS CYLINDRUS1. Journal of Phycology, 2006, 42, 78-85.	2.3	46
27	An Î±-galactosidase with an essential function during leaf development. Planta, 2006, 225, 311-320.	3.2	60
28	d-GLYCERATE 3-KINASE, the Last Unknown Enzyme in the Photorespiratory Cycle in Arabidopsis, Belongs to a Novel Kinase Family. Plant Cell, 2005, 17, 2413-2420.	6.6	126
29	Calcium Sensors and Their Interacting Protein Kinases: Genomics of the Arabidopsis and Rice CBL-CIPK Signaling Networks. Plant Physiology, 2004, 134, 43-58.	4.8	564
30	ArabidopsisImmunophilin-like TWD1 Functionally Interacts with Vacuolar ABC Transporters. Molecular Biology of the Cell, 2004, 15, 3393-3405.	2.1	99
31	Disruption ofAtMRP4, a guard cell plasma membrane ABCC-type ABC transporter, leads to deregulation of stomatal opening and increased drought susceptibility. Plant Journal, 2004, 39, 219-236.	5.7	141
32	Characterization of a T-DNA insertion mutant for the protein import receptor atToc33 from chloroplasts. Molecular Genetics and Genomics, 2004, 272, 379-396.	2.1	26
33	The calcium sensor CBL1 integrates plant responses to abiotic stresses. Plant Journal, 2003, 36, 457-470.	5.7	286
34	Genetic manipulation of glycine decarboxylation. Journal of Experimental Botany, 2003, 54, 1523-1535.	4.8	149
35	TWISTED DWARF1, a Unique Plasma Membrane-anchored Immunophilin-like Protein, Interacts withArabidopsisMultidrug Resistance-like Transporters AtPGP1 and AtPGP19. Molecular Biology of the Cell, 2003, 14, 4238-4249.	2.1	247
36	Family business: the multidrug-resistance related protein (MRP) ABC transporter genes in Arabidopsis thaliana. Planta, 2002, 216, 107-119.	3.2	76

#	Article	IF	Citations
37	Multifunctionality of plant ABC transporters â€“ more than just detoxifiers. Planta, 2002, 214, 345-355.	3.2	394
38	An Arabidopsis thaliana knock-out mutant of the chloroplast triose phosphate/phosphate translocator is severely compromised only when starch synthesis, but not starch mobilisation is abolished. Plant Journal, 2002, 32, 685-699.	5.7	165
39	The Arabidopsis thaliana ABC transporter AtMRP5 controls root development and stomata movement. EMBO Journal, 2001, 20, 1875-1887.	7.8	206
40	Light-regulated transcription of a cryptochrome gene in the green algaMougeotia scalaris. Protoplasma, 2000, 214, 194-198.	2.1	2
41	Phytochrome types in Picea and Pinus. Expression patterns of PHYA-Related types. Plant Molecular Biology, 1999, 40, 669-678.	3.9	27
42	Non-angiosperm phytochromes and the evolution of vascular plants. Physiologia Plantarum, 1998, 102, 612-622.	5.2	42
43	Divergence of the phytochrome gene family predates angiosperm evolution and suggests thatSelaginella andEquisetum arose prior toPsilotum. Journal of Molecular Evolution, 1995, 41, 329-337.	1.8	47
44	Phytochrome evolution: Phytochrome genes in ferns and mosses. Physiologia Plantarum, 1994, 91, 241-250.	5.2	38
45	Mosses do express conventional, distantly B-type-related phytochromes phytochrome ofPhyscomitrella patens(Hedw.). FEBS Letters, 1993, 334, 95-100.	2.8	30