Marek Marzec

List of Publications by Year
in descending order

38 papers	1,302 citations	361413 20 h-index	377865 34 g-index
40 all docs	40 docs citations	40 times ranked	1558 citing authors

#	Article	IF	Citations
1	MicroRNA: a new signal in plant-to-plant communication. Trends in Plant Science, 2022, 27, 418-419.	8.8	7
2	Size does matter: piRNA and miRNA targeting. Trends in Biochemical Sciences, 2022, 47, 287-288.	7.5	3
3	Characterization of Catechol-1,2-Dioxygenase (Acdo1p) From Blastobotrys raffinosifermentans and Investigation of Its Role in the Catabolism of Aromatic Compounds. Frontiers in Microbiology, 2022, 13, .	3.5	1
4	Changes in plastid biogenesis leading to the formation of albino regenerants in barley microspore culture. BMC Plant Biology, 2021, 21, 22.	3.6	11
5	Uncovering the Mechanical Code of DNA Using â€˜Loop-seqâ€™. Trends in Genetics, 2021, 37, 494-495.	6.7	1
6	Whole Exome Sequencing-Based Identification of a Novel Gene Involved in Root Hair Development in Barley (Hordeum vulgare L.). International Journal of Molecular Sciences, 2021, 22, 13411.	4.1	3
7	Plastid differentiation during microgametogenesis determines green plant regeneration in barley microspore culture. Plant Science, 2020, 291, 110321.	3.6	15
8	Diverse Roles of MAX1 Homologues in Rice. Genes, 2020, 11, 1348.	2.4	17
9	Prime Editing: Game Changer for Modifying Plant Genomes. Trends in Plant Science, 2020, 25, 722-724.	8.8	30
10	Barley strigolactone signalling mutant <i>hvd14.d</i> reveals the role of strigolactones in abscisic acidâ€dependent response to drought. Plant, Cell and Environment, 2020, 43, 2239-2253.	5.7	25
11	Prime Editing: A New Way for Genome Editing. Trends in Cell Biology, 2020, 30, 257-259.	7.9	45
12	New insights into the function of mammalian Argonaute2. PLoS Genetics, 2020, 16, e1009058.	3.5	8
13	More precise, more universal and more specific â€“ the next generation of RNAâ€guided endonucleases for genome editing. FEBS Journal, 2019, 286, 4657-4660.	4.7	9
14	Binding or Hydrolysis? How Does the Strigolactone Receptor Work?. Trends in Plant Science, 2019, 24, 571-574.	8.8	28
15	Preparation of Barley Roots for Histological, Structural, and Immunolocalization Studies Using Light and Electron Microscopy. Methods in Molecular Biology, 2019, 1900, 153-166.	0.9	1
16	Targeted Base Editing Systems Are Available for Plants. Trends in Plant Science, 2018, 23, 955-957.	8.8	11
17	HorTILLUSâ€”A Rich and Renewable Source of Induced Mutations for Forward/Reverse Genetics and Pre-breeding Programs in Barley (Hordeum vulgare L.). Frontiers in Plant Science, 2018, 9, 216.	3.6	71
18	Key Hormonal Components Regulate Agronomically Important Traits in Barley. International Journal of Molecular Sciences, 2018, 19, 795.	4.1	21

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19	Regulation of Root Development and Architecture by Strigolactones under Optimal and Nutrient Deficiency Conditions. International Journal of Molecular Sciences, 2018, 19, 1887.	4.1	38
20	Strigolactones and Gibberellins: A New Couple in the Phytohormone World?. Trends in Plant Science, 2017, 22, 813-815.	8.8	50
21	Strigolactone Signaling in Plants. , 2017, , .		1
22	Mutation in HvCBP20 (Cap Binding Protein 20) Adapts Barley to Drought Stress at Phenotypic and Transcriptomic Levels. Frontiers in Plant Science, 2017, 8, 942.	3.6	48
23	Agdc1p â€" a Gallic Acid Decarboxylase Involved in the Degradation of Tannic Acid in the Yeast Blastobotrys (Arxula) adeninivorans. Frontiers in Microbiology, 2017, 8, 1777.	3.5	30
24	Enhancement of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) accumulation in Arxula adeninivorans by stabilization of production. Microbial Cell Factories, 2017, 16, 144.	4.0	13
25	Perception and Signaling of Strigolactones. Frontiers in Plant Science, 2016, 7, 1260.	3.6	39
26	Identification and functional analysis of the <i><scp>HvD14</scp></i> gene involved in strigolactone signaling in <i>Hordeum vulgare</i>. Physiologia Plantarum, 2016, 158, 341-355.	5.2	54
27	Strigolactones as Part of the Plant Defence System. Trends in Plant Science, 2016, 21, 900-903.	8.8	68
28	Arabinogalactan proteins are involved in root hair development in barley. Journal of Experimental Botany, 2015, 66, 1245-1257.	4.8	34
29	Root Hair Development in the Grasses: What We Already Know and What We Still Need to Know. Plant Physiology, 2015, 168, 407-414.	4.8	41
30	In Silico Analysis of the Genes Encoding Proteins that Are Involved in the Biosynthesis of the RMS/MAX/D Pathway Revealed New Roles of Strigolactones in Plants. International Journal of Molecular Sciences, 2015, 16, 6757-6782.	4.1	57
31	Importance of symplasmic communication in cell differentiation. Plant Signaling and Behavior, 2014, 9, e27931.	2.4	21
32	The evolutionary context of root epidermis cell patterning in grasses (Poaceae). Plant Signaling and Behavior, 2014, 9, e27972.	2.4	33
33	Induced Variations in Brassinosteroid Genes Define Barley Height and Sturdiness, and Expand the Green Revolution Genetic Toolkit Â Â Â. Plant Physiology, 2014, 166, 1912-1927.	4.8	121
34	Increased symplasmic permeability in barley root epidermal cells correlates with defects in root hair development. Plant Biology, 2014, 16, 476-484.	3.8	9
35	The Role of Strigolactones in Nutrient-Stress Responses in Plants. International Journal of Molecular Sciences, 2013, 14, 9286-9304.	4.1	67
36	Asymmetric growth of root epidermal cells is related to the differentiation of root hair cells in Hordeum vulgare (L.). Journal of Experimental Botany, 2013, 64, 5145-5155.	4.8	48

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37	The barley EST DNA Replication and Repair Database (bEST-DRRD) as a tool for the identification of the genes involved in DNA replication and repair. BMC Plant Biology, 2012, 12, 88.	3.6	14
38	TILLING - a shortcut in functional genomics. Journal of Applied Genetics, 2011, 52, 371-390.	1.9	184