Aleksander Gavrin

List of Publications by Year
in descending order

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16 papers	659 citations	687363 13 h-index	996975 15 g-index
20 all docs	20 docs citations	20 times ranked	824 citing authors

#	Article	IF	Citations
1	A combination of chitooligosaccharide and lipochitooligosaccharide recognition promotes arbuscular mycorrhizal associations in Medicago truncatula. Nature Communications, 2019, 10, 5047.	12.8	129
2	Proteomic Analysis of the Soybean Symbiosome Identifies New Symbiotic Proteins*. Molecular and Cellular Proteomics, 2015, 14, 1301-1322.	3.8	77
3	Adjustment of Host Cells for Accommodation of Symbiotic Bacteria: Vacuole Defunctionalization, HOPS Suppression, and TIP1g Retargeting in Medicago Â Â Â. Plant Cell, 2014, 26, 3809-3822.	6.6	73
4	ARP2/3-Mediated Actin Nucleation Associated With Symbiosome Membrane Is Essential for the Development of Symbiosomes in Infected Cells of Medicago truncatula Root Nodules. Molecular Plant-Microbe Interactions, 2015, 28, 605-614.	2.6	68
5	Immobilization of hydrocarbon-oxidizing bacteria in poly(vinyl alcohol) cryogels hydrophobized using a biosurfactant. Journal of Microbiological Methods, 2006, 65, 596-603.	1.6	53
6	The Medicago truncatula GRAS protein RAD1 supports arbuscular mycorrhiza symbiosis and Phytophthora palmivora susceptibility. Journal of Experimental Botany, 2017, 68, 5871-5881.	4.8	42
7	Interface Symbiotic Membrane Formation in Root Nodules of Medicago truncatula: the Role of Synaptotagmins MtSyt1, MtSyt2 and MtSyt3. Frontiers in Plant Science, 2017, 8, 201.	3.6	39
8	<scp>VAMP</scp>721a and <scp>VAMP</scp>721d are important for pectin dynamics and release of bacteria in soybean nodules. New Phytologist, 2016, 210, 1011-1021.	7.3	38
9	GmVTL1a is an iron transporter on the symbiosome membrane of soybean with an important role in nitrogen fixation. New Phytologist, 2020, 228, 667-681.	7.3	36
10	LYS12 LysM receptor deceleratesPhytophthora palmivoradisease progression inLotus japonicus. Plant Journal, 2018, 93, 297-310.	5.7	26
11	Medicago TERPENE SYNTHASE 10 Is Involved in Defense Against an Oomycete Root Pathogen. Plant Physiology, 2019, 180, 1598-1613.	4.8	17
12	Developmental Modulation of Root Cell Wall Architecture Confers Resistance to an Oomycete Pathogen. Current Biology, 2020, 30, 4165-4176.e5.	3.9	17
13	Deep learningâ€based quantification of arbuscular mycorrhizal fungi in plant roots. New Phytologist, 2021, 232, 2207-2219.	7.3	15
14	Soybean Yellow Stripe-like 7 is a symbiosome membrane peptide transporter important for nitrogen fixation. Plant Physiology, 2021, 186, 581-598.	4.8	14
15	MycoRed: Betalain pigments enable in vivo real-time visualisation of arbuscular mycorrhizal colonisation. PLoS Biology, 2021, 19, e3001326.	5.6	11
16	Quantification of the Volume and Surface Area of Symbiosomes and Vacuoles of Infected Cells in Root Nodules of Medicago truncatula. Bio-protocol, 2015, 5, .	0.4	0