Tamao Saito

List of Publications by Year
in descending order

18 papers	476 citations	1163117 8 h-index	839539 18 g-index
19 all docs	19 docs citations	19 times ranked	499 citing authors

#	Article	IF	Citations
1	Comparative genomics of the social amoebae Dictyostelium discoideum and Dictyostelium purpureum. Genome Biology, 2011, 12, R20.	9.6	141
2	Biosynthesis of Dictyostelium discoideum differentiation-inducing factor by a hybrid type I fatty acidâ€“type III polyketide synthase. Nature Chemical Biology, 2006, 2, 494-502.	8.0	110
3	DIF-1 induces the basal disc of the Dictyostelium fruiting body. Developmental Biology, 2008, 317, 444-453.	2.0	88
4	Overexpression of the TIR-X gene results in a dwarf phenotype and activation of defense-related gene expression in Arabidopsis thaliana. Journal of Plant Physiology, 2014, 171, 382-388.	3.5	31
5	Dictyostelium hybrid polyketide synthase, SteelyA, produces 4-methyl-5-pentylbenzene-1,3-diol and induces spore maturation. FEMS Microbiology Letters, 2011, 319, 82-87.	1.8	22
6	The Hybrid Type Polyketide Synthase SteelyA Is Required for cAMP Signalling in Early Dictyostelium Development. PLoS ONE, 2014, 9, e106634.	2.5	19
7	Steely Enzymes Are Involved in Prestalk and Prespore Pattern Formation. Bioscience, Biotechnology and Biochemistry, 2013, 77, 2008-2012.	1.3	11
8	Synthesis and SAR of 4-methyl-5-pentylbenzene-1,3-diol (MPBD), produced by Dictyostelium discoideum. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 1428-1433.	2.2	10
9	Overexpression of the Activated Disease Resistance 1-like1 (ADR1-L1) Gene Results in a Dwarf Phenotype and Activation of Defense-Related Gene Expression in Arabidopsis thaliana. Journal of Plant Biology, 2011, 54, 172-179.	2.1	9
10	AtRBP1, which encodes an RNA-binding protein containing RNA-recognition motifs, regulates root growth in Arabidopsis thaliana. Plant Physiology and Biochemistry, 2015, 92, 62-70.	5.8	7
11	D-Serine Metabolism and Its Importance in Development of Dictyostelium discoideum. Frontiers in Microbiology, 2018, 9, 784.	3.5	6
12	Small molecules and cell differentiation in Dictyostelium discoideum. International Journal of Developmental Biology, 2019, 63, 429-438.	0.6	6
13	Stalk cell differentiation without polyketides in the cellular slime mold. Bioscience, Biotechnology and Biochemistry, 2016, 80, 1368-1374.	1.3	4
14	4-Methyl-5-Pentylbenzene-1,3-Diol Regulates Chemotactic Cell Aggregation and Spore Maturation Via Different Mechanisms in Dictyostelium discoideum. Current Microbiology, 2019, 76, 376-381.	2.2	4
15	Evolutionary Process of the Genomic Sequence Around the 100 Map Unit of Chromosome 1 in Arabidopsis thaliana. Journal of Plant Biology, 2009, 52, 616-624.	2.1	3
16	Simple and Fast One-Pot Cellulose Gel Preparation in Aqueous Pyrrolidinium Hydroxide Solutionâ€“Cellulose Solvent and Antibacterial Agent. Polymers, 2021, 13, 1942.	4.5	3
17	Chemical compounds from Dictyostelium discoideum repel a plant-parasitic nematode and can protect roots. PLoS ONE, 2018, 13, e0204671.	2.5	1
18	Theoretical Molecular Dynamics Simulation of the DIF-1 Receptor Activation. Bulletin of the Chemical Society of Japan, 2019, 92, 1436-1443.	3.2	1