

Tomoya Asano

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Arabidopsis MAPKKK Î-1 is required for full immunity against bacterial and fungal infection. <i>Journal of Experimental Botany</i> , 2020, 71, 2085-2097.	4.8	21
2	Characterization of mycosporine-like amino acids in the cyanobacterium <i>Nostoc verrucosum</i> . <i>Journal of General and Applied Microbiology</i> , 2018, 64, 203-211.	0.7	12
3	C-terminal residues of ferredoxin-NAD(P) ⁺ reductase from <i>Chlorobaculum tepidum</i> are responsible for reaction dynamics in the hydride transfer and redox equilibria with NADP ⁺ /NADPH. <i>Photosynthesis Research</i> , 2018, 136, 275-290.	2.9	5
4	Characterization of extracellular matrix components from the desiccation-tolerant cyanobacterium <i>Nostoc commune</i> . <i>Journal of General and Applied Microbiology</i> , 2018, 64, 15-25.	0.7	12
5	Identification of sperm equatorial segment protein 1 in the acrosome as the primary binding target of peanut agglutinin (PNA) in the mouse testis. <i>Histochemistry and Cell Biology</i> , 2017, 147, 27-38.	1.7	17
6	Rice MEL2, the RNA recognition motif (RRM) protein, binds in vitro to meiosis-expressed genes containing U-rich RNA consensus sequences in the 3' UTR. <i>Plant Molecular Biology</i> , 2015, 89, 293-307.	3.9	10
7	Characterization of the chemical diversity of glycosylated mycosporine-like amino acids in the terrestrial cyanobacterium <i>Nostoc commune</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 142, 154-168.	3.8	62
8	Lacking chloroplasts in guard cells of <i>crumpled leaf</i> attenuates stomatal opening: both guard cell chloroplasts and mesophyll contribute to guard cell ATP levels. <i>Plant, Cell and Environment</i> , 2014, 37, 2201-2210.	5.7	26
9	Role of the C-terminal extension stacked on the re-face of the isoalloxazine ring moiety of the flavin adenine dinucleotide prosthetic group in ferredoxin-NADP ⁺ oxidoreductase from <i>Bacillus subtilis</i> . <i>Plant Physiology and Biochemistry</i> , 2014, 81, 143-148.	5.8	13
10	Quantitative Phosphoproteomic Analysis Using iTRAQ Method. <i>Methods in Molecular Biology</i> , 2014, 1171, 251-258.	0.9	4
11	The Secreted Antifungal Protein Thionin 2.4 in <i>Arabidopsis thaliana</i> Suppresses the Toxicity of a Fungal Fruit Body Lectin from <i>Fusarium graminearum</i> . <i>PLoS Pathogens</i> , 2013, 9, e1003581.	4.7	39
12	Glycosylated Porphyrin-334 and Palythine-Threonine from the Terrestrial Cyanobacterium <i>Nostoc commune</i> . <i>Marine Drugs</i> , 2013, 11, 3124-3154.	4.6	57
13	Single-Molecule Imaging on Living Bacterial Cell Surface by High-Speed AFM. <i>Journal of Molecular Biology</i> , 2012, 422, 300-309.	4.2	114
14	The defense response in <i>Arabidopsis thaliana</i> against <i>Fusarium sporotrichioides</i> . <i>Proteome Science</i> , 2012, 10, 61.	1.7	27
15	Comparative Analysis of Phosphoprotein Expression Using 2D-DIGE. <i>Methods in Molecular Biology</i> , 2011, 744, 225-233.	0.9	28
16	Gene expression analysis of wounding-induced root-to-shoot communication in <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2011, 34, 705-716.	5.7	28
17	Visualization of wounding-induced root-to-shoot communication in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2011, 6, 1037-1039.	2.4	14
18	Plant Cells Without Detectable Plastids are Generated in the <i>crumpled leaf</i> Mutant of <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2009, 50, 956-969.	3.1	63

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19	<i>AtNFXL1</i> , an Arabidopsis homologue of the human transcription factor NF- κ B1, functions as a negative regulator of the trichothecene phytotoxin-induced defense response. <i>Plant Journal</i> , 2008, 53, 450-464.	5.7	47
20	The <i>AtNFXL1</i> gene functions as a signaling component of the type A trichothecene-dependent response. <i>Plant Signaling and Behavior</i> , 2008, 3, 991-992.	2.4	4
21	A mutation of the <i>CRUMPLED LEAF</i> gene that encodes a protein localized in the outer envelope membrane of plastids affects the pattern of cell division, cell differentiation, and plastid division in Arabidopsis. <i>Plant Journal</i> , 2004, 38, 448-459.	5.7	79
22	A defect in <i>atToc159</i> of Arabidopsis thaliana causes severe defects in leaf development. <i>Genes and Genetic Systems</i> , 2004, 79, 207-212.	0.7	11