Jin-xing Lin

List of Publications by Year
in descending order

66 papers	2,761 citations	186265 28 h-index	189892 50 g-index
67 all docs	67 docs citations	67 times ranked	2513 citing authors

#	Article	IF	Citations
1	Single-Molecule Analysis of PIP2;1 Dynamics and Partitioning Reveals Multiple Modes of <i>Arabidopsis</i> Plasma Membrane Aquaporin Regulation Â. Plant Cell, 2011, 23, 3780-3797.	6.6	229
2	A Membrane Microdomain-Associated Protein, <i>Arabidopsis</i> Flot1, Is Involved in a Clathrin-Independent Endocytic Pathway and Is Required for Seedling Development. Plant Cell, 2012, 24, 2105-2122.	6.6	200
3	Endocytosis and its regulation in plants. Trends in Plant Science, 2015, 20, 388-397.	8.8	198
4	Clathrin and Membrane Microdomains Cooperatively Regulate RbohD Dynamics and Activity in <i>Arabidopsis</i> Â Â. Plant Cell, 2014, 26, 1729-1745.	6.6	182
5	Spatiotemporal Dynamics of the BRI1 Receptor and its Regulation by Membrane Microdomains in Living Arabidopsis Cells. Molecular Plant, 2015, 8, 1334-1349.	8.3	131
6	Particle filtering based parameter estimation for systems with output-error type model structures. Journal of the Franklin Institute, 2019, 356, 5521-5540.	3.4	107
7	Single-particle analysis reveals shutoff control of the <i>Arabidopsis</i> ammonium transporter AMT1;3 by clustering and internalization. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13204-13209.	7.1	91
8	Phosphorylation-Mediated Dynamics of Nitrate Transceptor NRT1.1 Regulate Auxin Flux and Nitrate Signaling in Lateral Root Growth. Plant Physiology, 2019, 181, 480-498.	4.8	86
9	Modified Subspace Identification for Periodically Non-uniformly Sampled Systems by Using the Lifting Technique. Circuits, Systems, and Signal Processing, 2014, 33, 1439-1449.	2.0	81
10	Fractional-order PD control at Hopf bifurcations in delayed fractional-order small-world networks. Journal of the Franklin Institute, 2017, 354, 7643-7667.	3.4	77
11	Auxiliary model based parameter estimation for dual-rate output error systems with colored noise. Applied Mathematical Modelling, 2013, 37, 4051-4058.	4.2	76
12	Particle filteringâ€based recursive identification for controlled autoâ€regressive systems with quantised output. IET Control Theory and Applications, 2019, 13, 2181-2187.	2.1	76
13	Single-molecule fluorescence imaging to quantify membrane protein dynamics and oligomerization in living plant cells. Nature Protocols, 2015, 10, 2054-2063.	12.0	60
14	Secretion of Phospholipase DÎ´ Functions as a Regulatory Mechanism in Plant Innate Immunity. Plant Cell, 2019, 31, 3015-3032.	6.6	55
15	Stabilization of discrete-time switched singular time-delay systems under asynchronous switching. Journal of the Franklin Institute, 2012, 349, 1808-1827.	3.4	54
16	Techniques for detecting protein-protein interactions in living cells: principles, limitations, and recent progress. Science China Life Sciences, 2019, 62, 619-632.	4.9	51
17	Arabidopsis Blue Light Receptor Phototropin 1 Undergoes Blue Light-Induced Activation in Membrane Microdomains. Molecular Plant, 2018, 11, 846-859.	8.3	44
18	Reliable dissipative control of discreteâ€time switched singular systems with mixed time delays and stochastic actuator failures. IET Control Theory and Applications, 2013, 7, 1447-1462.	2.1	43

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19	Sterols regulate endocytic pathways during flg22-induced defense responses in <i>Arabidopsis</i>. Development (Cambridge), 2018, 145, .	2.5	43
20	Robust Exponential Admissibility of Uncertain Switched Singular Time-delay Systems. Zidonghua Xuebao/Acta Automatica Sinica, 2010, 36, 1773-1779.	1.5	42
21	Robust fault tolerant tracking control design for a linearized hypersonic vehicle with sensor fault. International Journal of Control, Automation and Systems, 2015, 13, 672-679.	2.7	42
22	Probing plasma membrane dynamics at the single-molecule level. Trends in Plant Science, 2013, 18, 617-624.	8.8	39
23	Exploring the Spatiotemporal Organization of Membrane Proteins in Living Plant Cells. Annual Review of Plant Biology, 2018, 69, 525-551.	18.7	38
24	Active fault tolerant control scheme for satellite attitude system subject to actuator time€varying faults. IET Control Theory and Applications, 2018, 12, 405-412.	2.1	38
25	Active fault tolerant control design approach for the flexible spacecraft with sensor faults. Journal of the Franklin Institute, 2017, 354, 8038-8056.	3.4	36
26	The RALF1-FERONIA interaction modulates endocytosis to mediate control of root growth in <i>Arabidopsis</i>. Development (Cambridge), 2020, 147, .	2.5	36
27	MADS-box transcription factors MADS11 and DAL1 interact to mediate the vegetative-to-reproductive transition in pine. Plant Physiology, 2021, 187, 247-262.	4.8	35
28	Active Fault Tolerant Control Scheme for Satellite Attitude Systems: Multiple Actuator Faults Case. International Journal of Control, Automation and Systems, 2018, 16, 1794-1804.	2.7	33
29	Single-Particle Tracking for the Quantification of Membrane Protein Dynamics in Living Plant Cells. Molecular Plant, 2018, 11, 1315-1327.	8.3	32
30	Dynamic spatial reorganization of BSK1 complexes in the plasma membrane underpins signal-specific activation for growth and immunity. Molecular Plant, 2021, 14, 588-603.	8.3	32
31	The dynamics and endocytosis of Flot1 protein in response to flg22 in Arabidopsis. Journal of Plant Physiology, 2017, 215, 73-84.	3.5	31
32	Systemin€mediated long€distance systemic defense responses. New Phytologist, 2020, 226, 1573-1582.	7.3	31
33	Coordination of Phospholipid-Based Signaling and Membrane Trafficking in Plant Immunity. Trends in Plant Science, 2021, 26, 407-420.	8.8	29
34	Observers design for switched discrete-time singular time-delay systems with unknown inputs. Nonlinear Analysis: Hybrid Systems, 2015, 18, 85-99.	3.5	28
35	Organization and dynamics of functional plant membrane microdomains. Cellular and Molecular Life Sciences, 2020, 77, 275-287.	5.4	26
36	In vivo single-particle tracking of the aquaporin AtPIP2;1 in stomata reveals cell type-specific dynamics. Plant Physiology, 2021, 185, 1666-1681.	4.8	26

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37	Fault detection for discrete‐time switched singular time‐delay systems: an average dwell time approach. International Journal of Adaptive Control and Signal Processing, 2013, 27, 582-609.	4.1	25
38	Discrete fractional order PID controller design for nonlinear systems. International Journal of Systems Science, 2021, 52, 3206-3213.	5.5	24
39	Reliable H ∞ Filtering for Discrete-Time Switched Singular Systems with Time-Varying Delay. Circuits, Systems, and Signal Processing, 2012, 31, 1191-1214.	2.0	23
40	Robust Exponential Admissibility of Uncertain Switched Singular Time-delay Systems. Zidonghua Xuebao/Acta Automatica Sinica, 2011, 36, 1773-1779.	0.3	22
41	Functional observer for switched discrete‐time singular systems with time delays and unknown inputs. IET Control Theory and Applications, 2015, 9, 2146-2156.	2.1	21
42	Plant multiscale networks: charting plant connectivity by multi-level analysis and imaging techniques. Science China Life Sciences, 2021, 64, 1392-1422.	4.9	21
43	Three-dimensional reconstruction of Picea wilsonii Mast. pollen grains using automated electron microscopy. Science China Life Sciences, 2020, 63, 171-179.	4.9	20
44	Reliable control for a class of uncertain singular systems with interval time-varying delay. Asian Journal of Control, 2011, 13, 542-552.	3.0	17
45	Control discrete-time switched singular systems with state delays under asynchronous switching. International Journal of Systems Science, 2013, 44, 1089-1101.	5.5	17
46	Active fault-tolerant control approach design for rigid spacecraft with multiple actuator faults. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2018, 232, 1365-1378.	1.0	15
47	Fault diagnosis of rotating machinery using Gaussian process and EEMD‐treelet. International Journal of Adaptive Control and Signal Processing, 2019, 33, 52-73.	4.1	13
48	New delay-range-dependent exponential estimates for singular systems with time-varying delay. International Journal of Control, Automation and Systems, 2011, 9, 218-227.	2.7	12
49	Stabilization of discrete-time switched singular systems with state, output and switching delays. Journal of the Franklin Institute, 2019, 356, 2060-2089.	3.4	11
50	State and input simultaneous estimation for discrete‐time switched singular delay systems with missing measurements. International Journal of Robust and Nonlinear Control, 2017, 27, 2749-2772.	3.7	8
51	High-efficiency procedure to characterize, segment, and quantify complex multicellularity in raw micrographs in plants. Plant Methods, 2020, 16, 100.	4.3	8
52	Regeneration and large-scale propagation of Phragmites communis through somatic embryogenesis. Plant Cell, Tissue and Organ Culture, 2003, 75, 287-290.	2.3	7
53	Single-Molecule Techniques for Imaging Exo-Endocytosis Coupling in Cells. Trends in Plant Science, 2019, 24, 879-880.	8.8	6
54	Dynamic Optimization of Neuron Systems with Leakage Delay and Distributed Delay via Hybrid Control. Neural Processing Letters, 2019, 50, 2493-2514.	3.2	6

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55	Environmental Cues Contribute to Dynamic Plasma Membrane Organization of Nanodomains Containing Flotillin-1 and Hypersensitive Induced Reaction-1 Proteins in Arabidopsis thaliana. Frontiers in Plant Science, 2022, 13, .	3.6	5
56	Exponential Estimates and Stabilization of Discrete-Time Singular Time-Delay Systems Subject to Actuator Saturation. Discrete Dynamics in Nature and Society, 2012, 2012, 1-27.	0.9	4
57	Stability of switched singular time delay systems with switching induced state jumps. IET Control Theory and Applications, 2020, 14, 3351-3361.	2.1	4
58	High-efficiency somatic embryogenesis and morphohistology and histochemistry of somatic embryo development in Larix leptolepis Gordon. Forestry Studies in China, 2007, 9, 182-188.	0.4	3
59	Exponential Admissibility and H_∞ Control of Switched Singular Time-Delay Systems: An Average Dwell Time Approach. Journal of Applied Mathematics, 2012, 2012, 1-28.	0.9	3
60	Robust Stability and Stabilization for Singular Time-Delay Systems with Linear Fractional Uncertainties: A Strict LMI Approach. Mathematical Problems in Engineering, 2013, 2013, 1-11.	1.1	3
61	Stabilization of networked singular control systems under double-channel quantization and DoS attacks. Journal of the Franklin Institute, 2022, 359, 3517-3548.	3.4	2
62	New results on admissibility and L_2 gain property of discrete-time switched singular state-delayed systems. , 2015, , .		1
63	Terminal sliding mode fault tolerant control design for hypersonic vehicle under angular velocity constraints. , 2016, , .		1
64	3D Imaging of Lipid-Guided Vesicle Trafficking Along the Cytoskeleton. Trends in Plant Science, 2021, 26, 421-422.	8.8	1
65	Exponential estimates of singular Markovian jump time-delay systems. , 2012, , .		0
66	Synchronization in Heterogeneous Networks Coupled of LC Oscillators Via Sampled-Data Control. , 2019, , .		0