

# Lei Guo

## List of Publications by Year in descending order

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36  
papers

1,925  
citations

361413

20  
h-index

414414

32  
g-index

36  
all docs

36  
docs citations

36  
times ranked

698  
citing authors

#	ARTICLE	IF	CITATIONS
1	An ADRC-based PID tuning rule. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 9542-9555.	3.7	7
2	Towards a theoretical foundation of PID control for uncertain nonlinear systems. <i>Automatica</i> , 2022, 142, 110360.	5.0	17
3	Control of Nonlinear Uncertain Systems by Extended PID. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 3840-3847.	5.7	40
4	Convergence of a Distributed Least Squares. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 4952-4959.	5.7	14
5	Stabilizability of Game-Based Control Systems. <i>SIAM Journal on Control and Optimization</i> , 2021, 59, 3999-4023.	2.1	4
6	Analysis of compressed distributed adaptive filters. <i>Automatica</i> , 2020, 112, 108707.	5.0	7
7	A parameter formula connecting PID and ADRC. <i>Science China Information Sciences</i> , 2020, 63, 1.	4.3	50
8	Feedback and uncertainty: Some basic problems and results. <i>Annual Reviews in Control</i> , 2020, 49, 27-36.	7.9	24
9	PID Control of Nonlinear Stochastic Systems with Structural Uncertainties. <i>IFAC-PapersOnLine</i> , 2020, 53, 2189-2194.	0.9	4
10	New Tuning Methods of Both PID and ADRC for MIMO Coupled Nonlinear Uncertain Systems. <i>IFAC-PapersOnLine</i> , 2020, 53, 1325-1330.	0.9	9
11	Theory and Design of PID Controller for Nonlinear Uncertain Systems. , 2019, 3, 643-648.		72
12	Controllability of Nash Equilibrium in Game-Based Control Systems. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 4180-4187.	5.7	26
13	Controllability of Stochastic Game-Based Control Systems. <i>SIAM Journal on Control and Optimization</i> , 2019, 57, 3799-3826.	2.1	24
14	Uncoupled PID Control of Coupled Multi-Agent Nonlinear Uncertain systems. <i>Journal of Systems Science and Complexity</i> , 2018, 31, 4-21.	2.8	17
15	Analysis of Distributed Adaptive Filters Based on Diffusion Strategies Over Sensor Networks. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 3643-3658.	5.7	31
16	A necessary and sufficient condition for stability of LMS-based consensus adaptive filters. <i>Automatica</i> , 2018, 93, 12-19.	5.0	13
17	PID Control for a Class of Non-Affine Uncertain Systems. , 2018, , .		8
18	Analysis of Normalized Least Mean Squares-Based Consensus Adaptive Filters under a General Information Condition. <i>SIAM Journal on Control and Optimization</i> , 2018, 56, 3404-3431.	2.1	22

#	ARTICLE	IF	CITATIONS
19	PID controller design for second order nonlinear uncertain systems. Science China Information Sciences, 2017, 60, 1.	4.3	113
20	On the Capability of PID Control for Nonlinear Uncertain Systems. IFAC-PapersOnLine, 2017, 50, 1521-1526.	0.9	23
21	Performance bounds of distributed adaptive filters with cooperative correlated signals. Science China Information Sciences, 2016, 59, 1.	4.3	10
22	Stability of distributed LMS under cooperative stochastic excitation. , 2015, , .		5
23	Control of uncertain nonlinear systems based on observers and estimators. Automatica, 2015, 59, 35-47.	5.0	98
24	Performance analysis of distributed adaptive filters. Communications in Information and Systems, 2015, 15, 453-476.	0.5	5
25	Stability of Diffusion Adaptive Filters. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 10409-10414.	0.4	8
26	A note on overshoot estimation in pole placements. Journal of Control Theory and Applications, 2004, 2, 161-164.	0.8	29
27	How much uncertainty can be dealt with by feedback?. IEEE Transactions on Automatic Control, 2000, 45, 2203-2217.	5.7	172
28	Necessary and sufficient conditions for stability of LMS. IEEE Transactions on Automatic Control, 1997, 42, 761-770.	5.7	40
29	Convergence and logarithm laws of self-tuning regulators. Automatica, 1995, 31, 435-450.	5.0	94
30	Exponential stability of general tracking algorithms. IEEE Transactions on Automatic Control, 1995, 40, 1376-1387.	5.7	52
31	Performance analysis of general tracking algorithms. IEEE Transactions on Automatic Control, 1995, 40, 1388-1402.	5.7	112
32	Stability of Recursive Stochastic Tracking Algorithms. SIAM Journal on Control and Optimization, 1994, 32, 1195-1225.	2.1	80
33	Identification and Stochastic Adaptive Control. Systems and Control: Foundations and Applications, 1991, , .	0.3	368
34	The Astrom-Wittenmark self-tuning regulator revisited and ELS-based adaptive trackers. IEEE Transactions on Automatic Control, 1991, 36, 802-812.	5.7	179
35	Convergence rate of least-squares identification and adaptive control for stochastic systems. International Journal of Control, 1986, 44, 1459-1476.	1.9	147
36	Global EPD regulation of uncertain nonlinear systems without global normal forms. International Journal of Robust and Nonlinear Control, 0, , .	3.7	1