Robert Schmid

List of Publications by Year
in descending order

57 papers	393 citations	933447 10 h-index	839539 18 g-index
58 all docs	58 docs citations	58 times ranked	201 citing authors

#	Article	IF	Citations
1	A unified method for the design of nonovershooting linear multivariable state-feedback tracking controllers. Automatica, 2010, 46, 312-321.	5.0	78
2	The design of nonovershooting and nonundershooting multivariable state feedback tracking controllers. Systems and Control Letters, 2012, 61, 714-722.	2.3	34
3	Globally Monotonic Tracking Control of Multivariable Systems. IEEE Transactions on Automatic Control, 2016, 61, 2559-2564.	5.7	27
4	Robust Pole Placement With Moore's Algorithm. IEEE Transactions on Automatic Control, 2014, 59, 500-505.	5.7	25
5	A unified method for optimal arbitrary pole placement. Automatica, 2014, 50, 2150-2154.	5.0	25
6	Robust Eigenstructure Assignment in Geometric Control Theory. SIAM Journal on Control and Optimization, 2014, 52, 960-986.	2.1	22
7	Robust nonâ€•overshooting tracking using continuous control for linear multivariable systems. IET Control Theory and Applications, 2018, 12, 1006-1011.	2.1	15
8	LIDAR-Assisted Exact Output Regulation for Load Mitigation in Wind Turbines. IEEE Transactions on Control Systems Technology, 2021, 29, 1102-1116.	5.2	15
9	Achieving a nonovershooting transient response with multivariable dynamic output feedback tracking controllers. , 2009, , .		14
10	Nonovershooting and nonundershooting exact output regulation. Systems and Control Letters, 2014, 70, 30-37.	2.3	11
11	Exact output regulation for wind turbine active power control. Control Engineering Practice, 2021, 114, 104862.	5.5	11
12	Comments on â€œRobust optimal design and convergence properties analysis of iterative learning control approachesâ€•and â€œOn the P-type and Newton-type ILC schemes for dynamic systems with non-affine input factorsâ€• Automatica, 2007, 43, 1666-1669.	5.0	10
13	Performance survey of robust pole placement methods. , 2014, , .		10
14	Nonovershooting Cooperative Output Regulation of Linear Multiagent Systems by Dynamic Output Feedback. IEEE Transactions on Control of Network Systems, 2019, 6, 526-536.	3.7	8
15	The role of nonminimum phase zeros in the transient response of multivariable systems. , 2011, , .		6
16	Repeated eigenstructure assignment for controlled invariant subspaces. European Journal of Control, 2015, 26, 1-11.	2.6	6
17	Nonovershooting state feedback and dynamic output feedback tracking controllers for descriptor systems. International Journal of Control, 2018, 91, 1785-1800.	1.9	6
18	Composite Nonlinear Feedback Control for Multivariable Systems with Disturbance Input. , 2007, , .		5

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19	Arbitrary pole placement by state feedback with minimum gain. , 2013, , .		5
20	Robust repeated pole placement. , 2013, , .		4
21	Performance survey of minimum gain exact pole placement methods. , 2015, , .		4
22	Polarization Mode Dispersion Impacts on Kramers-Kronig Receiver. , 2018, , .		4
23	Robust nonovershooting tracking control for fractionalâ€order systems. International Journal of Robust and Nonlinear Control, 2019, 29, 3841-3858.	3.7	4
24	Performance Analysis of Periodic Control for l₁ and l_{âˆž} Disturbance Rejection. Asian Journal of Control, 2001, 3, 240-247.	3.0	3
25	On the design of non-overshooting linear tracking controllers for right-invertible systems. , 2009, , .		3
26	Robust eigenvalue assignment for time-delay systems. , 2014, , .		3
27	Arbitrary pole placement with the extended Kautsky-Nichols-van Dooren parametric form with minimum gain. , 2014, , .		3
28	Geometric Control and Disturbance Decoupling for Fractional Systems. SIAM Journal on Control and Optimization, 2020, 58, 1403-1428.	2.1	3
29	On lp disturbance rejection using periodic feedback control. Systems and Control Letters, 1999, 38, 227-234.	2.3	2
30	Performance limitations of nonlinear periodic sampled-data controllers for L/sub p/ disturbance rejection. IEEE Transactions on Automatic Control, 2003, 48, 1385-1389.	5.7	2
31	Comments on "A New Trace Bound for a General Square Matrix Product. IEEE Transactions on Automatic Control, 2008, 53, 2712-2712.	5.7	2
32	Improved tracking control in hard-disk drive servo systems: A benchmark case study. , 2014, , .		2
33	A Novel Frequency Regulation Control Method for Deloaded Wind Turbines. Journal of Physics: Conference Series, 2020, 1618, 022014.	0.4	2
34	Limitations of nonlinear discrete periodic control for disturbance attenuation and robust stabilization. Automatica, 2006, 42, 2151-2158.	5.0	1
35	Limit or limit superior? Observations on the convergence of some iterative learning control schemes. Automatica, 2009, 45, 2456-2457.	5.0	1
36	Survey of transient performance in tracking controllers. , 2009, , .		1

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37	Performance analysis of iterative algorithms for sylvester equations. , 2010, , .		1
38	Nonundershooting linear multivariable tracking controllers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 7559-7564.	0.4	1
39	Nonovershooting multivariable tracking control for time-varying references. , 2013, , .		1
40	Robust eigenstructure assignment in the computation of friends of output-nulling subspaces. , 2013, , .		1
41	Robust arbitrary pole placement with the extended Kautsky-Nichols-van Dooren parametric form. , 2014, , .		1
42	Arbitrary pole placement with the extended Kautskyâ€“Nicholsâ€“van Dooren parametric form. International Journal of Control, 2016, 89, 1359-1366.	1.9	1
43	Robust nonovershooting tracking control for linear multivariable systems. , 2017, , .		1
44	Fatigue load mitigation in multi-megawatt wind turbines using output regulation control. , 2017, , .		1
45	Enhanced energy capture of wind turbines by exact output regulation. , 2017, , .		1
46	Nonovershooting Bipartite Output Regulation of Linear Multi-Agent Systems. , 2018, , .		1
47	Comparison between the NMPC and EOR control of wind turbines using LIDAR wind measurements. Journal of Physics: Conference Series, 2018, 1037, 032046.	0.4	1
48	A tutorial on the globally monotonic tracking control problem with geometric techniques. , 2016, , .		1
49	Rapid Nonovershooting Control for Simultaneous Infusion of Anesthetics and Analgesics. IFAC-PapersOnLine, 2021, 54, 1-6.	0.9	1
50	Application of a nonovershooting tracking control method for the Double Buck Converter. IFAC-PapersOnLine, 2020, 53, 6151-6156.	0.9	1
51	Limitations of nonlinear periodic sampled-data control for robust stabilization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 2779-2784.	0.4	0
52	Nonovershooting and nonundershooting linear multivariable state-feedback tracking controllers for discrete-time systems. , 2012, , .		0
53	Discussion: â€œA Simple Switching Control for Linear Systems to Assure Nonovershooting Step Responsesâ€•(Zhu, B., and Cai, K. Y., 2012, ASME J. Dyn. Syst. Meas., Control, 134, p. 034503). Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	1.6	0
54	A new method for the row-by-row decoupling problem with pole assignment. , 2016, , .		0

#	Article	IF	Citations
55	New nonovershooting step response control for the DC-DC buck converter. , 2016, , .		0
56	NOUS 2.0: A MATLABÂ® toolbox for the design of globally monotonie tracking controllers. , 2017, , .		0
57	Robust Power Regulation for Doubly Fed Induction Generator Based Wind Turbines. , 2021, , .		0