# Zongli Lin

## List of Publications by Citations



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|---|---|---|---|
| 387 papers | 13,227 citations | 58 h-index | 104 g-index |
| 505 ext. papers | 16,755 ext. citations | 3.8 avg, IF | 7.11 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 387 | Control Systems with Actuator Saturation **2001**, | | 649 |
| 386 | Flocking of Multi-Agents With a Virtual Leader. *IEEE Transactions on Automatic Control*, **2009**, 54, 293-307 | 5.9 | 581 |
| 385 | An analysis and design method for linear systems subject to actuator saturation and disturbance. *Automatica*, **2002**, 38, 351-359 | 5.7 | 522 |
| 384 | Adaptive second-order consensus of networked mobile agents with nonlinear dynamics. *Automatica*, **2011**, 47, 368-375 | 5.7 | 381 |
| 383 | Semi-global exponential stabilization of linear systems subject to input saturation via linear feedbacks. *Systems and Control Letters*, **1993**, 21, 225-239 | 2.4 | 341 |
| 382 | Semi-Global Leader-Following Consensus of Linear Multi-Agent Systems With Input Saturation via Low Gain Feedback. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2013**, 60, 1881-1889 | 3.9 | 340 |
| 381 | Control of linear systems with saturating actuators. *IEEE Transactions on Automatic Control*, **1996**, 41, 368-378 | 5.9 | 315 |
| 380 | Analysis and design for discrete-time linear systems subject to actuator saturation. *Systems and Control Letters*, **2002**, 45, 97-112 | 2.4 | 308 |
| 379 | Robust stability analysis and fuzzy-scheduling control for nonlinear systems subject to actuator saturation. *IEEE Transactions on Fuzzy Systems*, **2003**, 11, 57-67 | 8.3 | 248 |
| 378 | Toward improvement of tracking performance nonlinear feedback for linear systems. *International Journal of Control*, **1998**, 70, 1-11 | 1.5 | 210 |
| 377 | Truncated predictor feedback for linear systems with long time-varying input delays. *Automatica*, **2012**, 48, 2387-2399 | 5.7 | 205 |
| 376 | A deep learning-based multi-model ensemble method for cancer prediction. *Computer Methods and Programs in Biomedicine*, **2018**, 153, 1-9 | 6.9 | 198 |
| 375 | Composite quadratic Lyapunov functions for constrained control systems. *IEEE Transactions on Automatic Control*, **2003**, 48, 440-450 | 5.9 | 192 |
| 374 | Consensus of high-order multi-agent systems with large input and communication delays. *Automatica*, **2014**, 50, 452-464 | 5.7 | 185 |
| 373 | On global leader-following consensus of identical linear dynamic systems subject to actuator saturation. *Systems and Control Letters*, **2013**, 62, 132-142 | 2.4 | 180 |
| 372 | A Parametric Lyapunov Equation Approach to the Design of Low Gain Feedback. *IEEE Transactions on Automatic Control*, **2008**, 53, 1548-1554 | 5.9 | 172 |
| 371 | An antiwindup approach to enlarging domain of attraction for linear systems subject to actuator saturation. *IEEE Transactions on Automatic Control*, **2002**, 47, 140-145 | 5.9 | 156 |

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| 370 | On Asymptotic Stabilizability of Linear Systems With Delayed Input. *IEEE Transactions on Automatic Control*, **2007**, 52, 998-1013 | 5.9 | 154 |
| 369 | Output regulation for linear systems subject to input saturation. *Automatica*, **1996**, 32, 29-47 | 5.7 | 153 |
| 368 | Stability analysis of discrete-time systems with actuator saturation by a saturation-dependent Lyapunov function. *Automatica*, **2003**, 39, 1235-1241 | 5.7 | 152 |
| 367 | Stability analysis of linear time-delay systems subject to input saturation. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2002**, 49, 233-240 | | 148 |
| 366 | Synchronization of coupled harmonic oscillators in a dynamic proximity network. *Automatica*, **2009**, 45, 2286-2291 | 5.7 | 146 |
| 365 | Analysis of linear systems in the presence of actuator saturation and L2-disturbances. *Automatica*, **2004**, 40, 1229-1238 | 5.7 | 145 |
| 364 | A survey of distributed optimization. *Annual Reviews in Control*, **2019**, 47, 278-305 | 10.3 | 141 |
| 363 | Global Control of Linear Systems with Saturating Actuators. *Automatica*, **1998**, 34, 897-905 | 5.7 | 138 |
| 362 | Further results on input-to-state stability for nonlinear systems with delayed feedbacks. *Automatica*, **2008**, 44, 2415-2421 | 5.7 | 128 |
| 361 | Semi-global exponential stabilization of linear discrete-time systems subject to input saturation via linear feedbacks. *Systems and Control Letters*, **1995**, 24, 125-132 | 2.4 | 127 |
| 360 | Robust cooperative tracking for multiple non-identical second-order nonlinear systems. *Automatica* , **2013**, 49, 2363-2372 | 5.7 | 110 |
| 359 | Consensus of discrete-time multi-agent systems with transmission nonlinearity. *Automatica*, **2013**, 49, 1768-1775 | 5.7 | 110 |
| 358 | Consensus of Discrete-Time Second-Order Multiagent Systems Based on Infinite Products of General Stochastic Matrices. *SIAM Journal on Control and Optimization*, **2013**, 51, 3274-3301 | 1.9 | 103 |
| 357 | Stabilization of linear systems with distributed input delay and input saturation. *Automatica*, **2012**, 48, 712-724 | 5.7 | 95 |
| 356 | A semi-global low-and-high gain design technique for linear systems with input saturationStabilization and disturbance rejection. *International Journal of Robust and Nonlinear Control*, **1995**, 5, 381-398 | 3.6 | 94 |
| 355 | A parametric periodic Lyapunov equation with application in semi-global stabilization of discrete-time periodic systems subject to actuator saturation. *Automatica*, **2011**, 47, 316-325 | 5.7 | 93 |
| 354 | Set invariance analysis and gain-scheduling control for LPV systems subject to actuator saturation. *Systems and Control Letters*, **2002**, 46, 137-151 | 2.4 | 92 |
| 353 | Leaderfollower swarm tracking for networked Lagrange systems. *Systems and Control Letters*, **2012**, 61, 117-126 | 2.4 | 88 |

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| 352 | Consensus Control of a Class of Lipschitz Nonlinear Systems With Input Delay. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2015**, 62, 2730-2738 | 3.9 | 86 |
| 351 | Truncated predictor feedback control for exponentially unstable linear systems with time-varying input delay. *Systems and Control Letters*, **2013**, 62, 837-844 | 2.4 | 86 |
| 350 | Design, Construction, and Modeling of a Flexible Rotor Active Magnetic Bearing Test Rig. *IEEE/ASME Transactions on Mechatronics*, **2012**, 17, 1170-1182 | 5.5 | 86 |
| 349 | Stabilization of Switched Systems via Composite Quadratic Functions. *IEEE Transactions on Automatic Control*, **2008**, 53, 2571-2585 | 5.9 | 86 |
| 348 | Stabilization of linear systems with input delay and saturation—A parametric Lyapunov equation approach. *International Journal of Robust and Nonlinear Control*, **2010**, 20, 1502-1519 | 3.6 | 83 |
| 347 | Lyapunov Differential Equation Approach to Elliptical Orbital Rendezvous with Constrained Controls. *Journal of Guidance, Control, and Dynamics*, **2011**, 34, 345-358 | 2.1 | 82 |
| 346 | Semi-global stabilization of linear systems with position and rate-limited actuators. *Systems and Control Letters*, **1997**, 30, 1-11 | 2.4 | 82 |
| 345 | A descriptor system approach to robust stability analysis and controller synthesis. *IEEE Transactions on Automatic Control*, **2004**, 49, 2081-2084 | 5.9 | 80 |
| 344 | Observer based output feedback control of linear systems with input and output delays. *Automatica*, **2013**, 49, 2039-2052 | 5.7 | 77 |
| 343 | Absolute stability with a generalized sector condition. *IEEE Transactions on Automatic Control*, **2004**, 49, 535-548 | 5.9 | 76 |
| 342 | Global leader-following consensus of a group of general linear systems using bounded controls. *Automatica*, **2016**, 68, 294-304 | 5.7 | 69 |
| 341 | Properties of the Parametric Lyapunov Equation-Based Low-Gain Design With Applications in Stabilization of Time-Delay Systems. *IEEE Transactions on Automatic Control*, **2009**, 54, 1698-1704 | 5.9 | 69 |
| 340 | A parametric Lyapunov equation approach to low gain feedback design for discrete-time systems. *Automatica*, **2009**, 45, 238-244 | 5.7 | 69 |
| 339 | Exact characterization of invariant ellipsoids for single input linear systems subject to actuator saturation. *IEEE Transactions on Automatic Control*, **2002**, 47, 164-169 | 5.9 | 69 |
| 338 | Semiglobal stabilization of linear discrete-time systems subject to input saturation, via linear feedback-an ARE-based approach. *IEEE Transactions on Automatic Control*, **1996**, 41, 1203-1207 | 5.9 | 69 |
| 337 | . *IEEE Transactions on Automatic Control*, **1995**, 40, 1029-1041 | 5.9 | 68 |
| 336 | Output Feedback Stabilization of Linear Systems With Actuator Saturation. *IEEE Transactions on Automatic Control*, **2007**, 52, 122-128 | 5.9 | 67 |
| 335 | An improved robust model predictive control design in the presence of actuator saturation. *Automatica*, **2011**, 47, 861-864 | 5.7 | 66 |

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| 334 | An output feedback /spl Hscr//sub /spl infin// controller design for linear systems subject to sensor nonlinearities. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2003**, 50, 914-921 | | 63 |
| 333 | Design of Switched Linear Systems in the Presence of Actuator Saturation. *IEEE Transactions on Automatic Control*, **2008**, 53, 1536-1542 | 5.9 | 62 |
| 332 | An analysis and design method for linear systems under nested saturation. *Systems and Control Letters*, **2003**, 48, 41-52 | 2.4 | 62 |
| 331 | Global and Semi-Global Stabilization of Linear Systems With Multiple Delays and Saturations in the Input. *SIAM Journal on Control and Optimization*, **2010**, 48, 5294-5332 | 1.9 | 59 |
| 330 | Conjugate convex Lyapunov functions for dual linear differential inclusions. *IEEE Transactions on Automatic Control*, **2006**, 51, 661-666 | 5.9 | 58 |
| 329 | A Truncated Prediction Approach to Consensus Control of Lipschitz Nonlinear Multiagent Systems With Input Delay. *IEEE Transactions on Control of Network Systems*, **2017**, 4, 716-724 | 4 | 56 |
| 328 | Parametric Lyapunov Equation Approach to Stabilization of Discrete-Time Systems With Input Delay and Saturation. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2011**, 58, 2741-2754 | 3.9 | 56 |
| 327 | An explicit description of null controllable regions of linear systems with saturating actuators. *Systems and Control Letters*, **2002**, 47, 65-78 | 2.4 | 56 |
| 326 | Gain Scheduled Control of Linear Systems Subject to Actuator Saturation With Application to Spacecraft Rendezvous. *IEEE Transactions on Control Systems Technology*, **2014**, 22, 2031-2038 | 4.8 | 54 |
| 325 | Linear Systems Theory **2004**, | | 54 |
| 324 | Distributed Synchronization Control of Multiagent Systems With Unknown Nonlinearities. *IEEE Transactions on Cybernetics*, **2016**, 46, 325-38 | 10.2 | 53 |
| 323 | Analysis and design of singular linear systems under actuator saturation and L2/L□disturbances. *Systems and Control Letters*, **2008**, 57, 904-912 | 2.4 | 49 |
| 322 | A further result on global stabilization of oscillators with bounded delayed input. *IEEE Transactions on Automatic Control*, **2006**, 51, 121-128 | 5.9 | 49 |
| 321 | Set Invariance Conditions for Singular Linear Systems Subject to Actuator Saturation. *IEEE Transactions on Automatic Control*, **2007**, 52, 2351-2355 | 5.9 | 48 |
| 320 | The almost disturbance decoupling problem with internal stability for linear systems subject to input saturation□tate feedback case. *Automatica*, **1996**, 32, 619-624 | 5.7 | 47 |
| 319 | Global optimal consensus for multi-agent systems with bounded controls. *Systems and Control Letters*, **2017**, 102, 104-111 | 2.4 | 46 |
| 318 | A Switching Anti-windup Design Using Multiple Lyapunov Functions. *IEEE Transactions on Automatic Control*, **2010**, 55, 142-148 | 5.9 | 45 |
| 317 | Semi-global stabilization of linear systems subject to output saturation. *Systems and Control Letters* , **2001**, 43, 211-217 | 2.4 | 44 |

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| 316 | A semi-supervised deep learning method based on stacked sparse auto-encoder for cancer prediction using RNA-seq data. *Computer Methods and Programs in Biomedicine*, **2018**, 166, 99-105 | 6.9 | 44 |
| 315 | Consensus seeking over directed networks with limited information communication. *Automatica*, **2013**, 49, 610-618 | 5.7 | 43 |
| 314 | Linear controller for an inverted pendulum having restricted travel: A high-and-low gain approach. *Automatica*, **1996**, 32, 933-937 | 5.7 | 43 |
| 313 | $L_{infty}$ and $L_{2}$ Low-Gain Feedback: Their Properties, Characterizations and Applications in Constrained Control. *IEEE Transactions on Automatic Control*, **2011**, 56, 1030-1045 | 5.9 | 42 |
| 312 | Stability analysis for linear systems under State constraints. *IEEE Transactions on Automatic Control*, **2004**, 49, 950-955 | 5.9 | 42 |
| 311 | Output feedback Q-learning for discrete-time linear zero-sum games with application to the H-infinity control. *Automatica*, **2018**, 95, 213-221 | 5.7 | 41 |
| 310 | Stabilization of Discrete-Time Systems With Multiple Actuator Delays and Saturations. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2013**, 60, 389-400 | 3.9 | 41 |
| 309 | Improvements to the linear differential inclusion approach to stability analysis of linear systems with saturated linear feedback. *Automatica*, **2013**, 49, 821-828 | 5.7 | 41 |
| 308 | Absolute stability analysis of discrete-time systems with composite quadratic Lyapunov functions. *IEEE Transactions on Automatic Control*, **2005**, 50, 781-797 | 5.9 | 40 |
| 307 | Anti-windup design of output tracking systems subject to actuator saturation and constant disturbances. *Automatica*, **2004**, 40, 1221-1228 | 5.7 | 40 |
| 306 | Global Stabilization of the Double Integrator System With Saturation and Delay in the Input. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2010**, 57, 1371-1383 | 3.9 | 39 |
| 305 | Properties of the composite quadratic Lyapunov functions. *IEEE Transactions on Automatic Control*, **2004**, 49, 1162-1167 | 5.9 | 39 |
| 304 | L2 gain analysis for a class of switched systems. *Automatica*, **2009**, 45, 965-972 | 5.7 | 38 |
| 303 | Output regulation of linear systems with bounded continuous feedback. *IEEE Transactions on Automatic Control*, **2004**, 49, 1941-1953 | 5.9 | 37 |
| 302 | Conjugate Lyapunov functions for saturated linear systems. *Automatica*, **2005**, 41, 1949-1956 | 5.7 | 36 |
| 301 | On enlarging the basin of attraction for linear systems under saturated linear feedback. *Systems and Control Letters*, **2000**, 40, 59-69 | 2.4 | 36 |
| 300 | Distributed Semiglobal Consensus With Relative Output Feedback and Input Saturation Under Directed Switching Networks. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2015**, 62, 796-800 | 3.5 | 34 |
| 299 | Dynamic anti-windup design in anticipation of actuator saturation. *International Journal of Robust and Nonlinear Control*, **2014**, 24, 295-312 | 3.6 | 34 |

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| 298 | Output Feedback Q-Learning Control for the Discrete-Time Linear Quadratic Regulator Problem. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 1523-1536 | 10.3 | 34 |
| 297 | Saturation-based switching anti-windup design for linear systems with nested input saturation. *Automatica*, **2014**, 50, 2888-2896 | 5.7 | 33 |
| 296 | . *IEEE Transactions on Automatic Control*, **1997**, 42, 992-995 | 5.9 | 33 |
| 295 | Almost disturbance decoupling with global asymptotic stability for nonlinear systems with disturbance-affected unstable zero dynamics. *Systems and Control Letters*, **1998**, 33, 163-169 | 2.4 | 33 |
| 294 | Robust filtering for discrete-time systems with saturation and its application to transmultiplexers. *IEEE Transactions on Signal Processing*, **2004**, 52, 1266-1277 | 4.8 | 33 |
| 293 | Semi-global stabilization with guaranteed regional performance of linear systems subject to actuator saturation. *Systems and Control Letters*, **2001**, 43, 203-210 | 2.4 | 33 |
| 292 | Robust semi-global stabilization of linear systems with imperfect actuators. *Systems and Control Letters*, **1997**, 29, 215-221 | 2.4 | 32 |
| 291 | Simultaneous Lp-stabilization and internal stabilization of linear systems subject to input saturation state feedback case. *Systems and Control Letters*, **1995**, 25, 219-226 | 2.4 | 32 |
| 290 | Discrete-time and norm vanishment and low gain feedback with their applications in constrained control. *Automatica*, **2013**, 49, 111-123 | 5.7 | 31 |
| 289 | Global optimal consensus for higher-order multi-agent systems with bounded controls. *Automatica*, **2019**, 99, 301-307 | 5.7 | 31 |
| 288 | Semi-global leader-following consensus of multiple linear systems with position and rate limited actuators. *International Journal of Robust and Nonlinear Control*, **2015**, 25, 2083-2100 | 3.6 | 30 |
| 287 | Simultaneous External and Internal Stabilization for Continuous and Discrete-Time Critically Unstable Linear Systems with Saturating Actuators. *Automatica*, **1998**, 34, 1547-1557 | 5.7 | 30 |
| 286 | A Monte Carlo approach to rolling leukocyte tracking in vivo. *Medical Image Analysis*, **2006**, 10, 598-610 | 15.4 | 30 |
| 285 | An analysis and design method for discrete-time linear systems under nested saturation. *IEEE Transactions on Automatic Control*, **2002**, 47, 1305-1310 | 5.9 | 30 |
| 284 | Emerging Behavioral Consensus of Evolutionary Dynamics on Complex Networks. *SIAM Journal on Control and Optimization*, **2016**, 54, 3258-3272 | 1.9 | 30 |
| 283 | Control of a flexible rotor active magnetic bearing test rig: a characteristic model based all-coefficient adaptive control approach. *Control Theory and Technology*, **2014**, 12, 1-12 | 1 | 29 |
| 282 | Design of Saturation-Based Switching Anti-Windup Gains for the Enlargement of the Domain of Attraction. *IEEE Transactions on Automatic Control*, **2013**, 58, 1810-1816 | 5.9 | 29 |
| 281 | Robust global stabilization of linear systems with input saturation via gain scheduling. *International Journal of Robust and Nonlinear Control*, **2010**, 20, 424-447 | 3.6 | 29 |

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| 280 | Modeling of a High Speed Rotor Test Rig With Active Magnetic Bearings. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2006**, 128, 269-281 | 1.6 | 28 |
| 279 | Truncated Predictor Feedback Stabilization of Polynomially Unstable Linear Systems With Multiple Time-Varying Input Delays. *IEEE Transactions on Automatic Control*, **2014**, 59, 2157-2163 | 5.9 | 27 |
| 278 | Distributed Event-Triggered Secondary Voltage Control for Microgrids With Time Delay. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 1582-1591 | 7.3 | 26 |
| 277 | A Complete Characterization of the Maximal Contractively Invariant Ellipsoids of Linear Systems Under Saturated Linear Feedback. *IEEE Transactions on Automatic Control*, **2015**, 60, 179-185 | 5.9 | 26 |
| 276 | Global practical stabilization of planar linear systems in the presence of actuator saturation and input additive disturbance. *IEEE Transactions on Automatic Control*, **2006**, 51, 1177-1184 | 5.9 | 26 |
| 275 | H Antiwindup Design for Linear Systems Subject to Input Saturation. *Journal of Guidance, Control, and Dynamics*, **2002**, 25, 455-463 | 2.1 | 26 |
| 274 | Further results on almost disturbance decoupling with global asymptotic stability for nonlinear systems. *Automatica*, **1999**, 35, 709-717 | 5.7 | 26 |
| 273 | . *IEEE Transactions on Intelligent Transportation Systems*, **2019**, 20, 2750-2763 | 6.1 | 25 |
| 272 | A rotor unbalance response based approach to the identification of the closed-loop stiffness and damping coefficients of active magnetic bearings. *Mechanical Systems and Signal Processing*, **2016**, 66-67, 665-678 | 7.8 | 25 |
| 271 | Control of Surge in Centrifugal Compressors by Active Magnetic Bearings. *Advances in Industrial Control*, **2013**, | 0.3 | 25 |
| 270 | Disturbance tolerance and rejection of linear systems with imprecise knowledge of actuator input output characteristics. *Automatica*, **2006**, 42, 1523-1530 | 5.7 | 25 |
| 269 | Semi-global output consensus of a group of linear systems in the presence of external disturbances and actuator saturation: An output regulation approach. *International Journal of Robust and Nonlinear Control*, **2016**, 26, 1353-1375 | 3.6 | 25 |
| 268 | Maximum delay bounds of linear systems under delay independent truncated predictor feedback. *Automatica*, **2017**, 83, 65-72 | 5.7 | 24 |
| 267 | Truncated Predictor Control of Lipschitz Nonlinear Systems With Time-Varying Input Delay. *IEEE Transactions on Automatic Control*, **2017**, 62, 5324-5330 | 5.9 | 24 |
| 266 | Impacted-Region Optimization for Distributed Model Predictive Control Systems With Constraints. *IEEE Transactions on Automation Science and Engineering*, **2015**, 12, 1447-1460 | 4.9 | 24 |
| 265 | Event-triggered constrained control of positive systems with input saturation. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 3532-3542 | 3.6 | 24 |
| 264 | On distributed finite-time observer design and finite-time coordinated tracking of multiple double integrator systems via local interactions. *International Journal of Robust and Nonlinear Control*, **2014** , 24, 2473-2489 | 3.6 | 24 |
| 263 | Approximation and Monotonicity of the Maximal Invariant Ellipsoid for Discrete-Time Systems by Bounded Controls. *IEEE Transactions on Automatic Control*, **2010**, 55, 440-446 | 5.9 | 24 |

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| 262 | On Immediate, Delayed and Anticipatory Activation of Anti-Windup Mechanism: Static Anti-Windup Case. *IEEE Transactions on Automatic Control*, **2012**, 57, 771-777 | 5.9 | 23 |
| 261 | Low-and-high gain design technique for linear systems subject to input saturation □ direct method. *International Journal of Robust and Nonlinear Control*, **1997**, 7, 1071-1101 | 3.6 | 23 |
| 260 | Constrained Control Design for Magnetic Bearing Systems. *Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME*, **2005**, 127, 601-616 | 1.6 | 23 |
| 259 | On maximizing the convergence rate for linear systems with input saturation. *IEEE Transactions on Automatic Control*, **2003**, 48, 1249-1253 | 5.9 | 23 |
| 258 | Semi-global leader-following output consensus of heterogeneous multi-agent systems with input saturation. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 4916-4930 | 3.6 | 22 |
| 257 | Global control of linear systems with saturating actuators | | 22 |
| 256 | Output regulation for linear discrete-time systems subject to input saturation. *International Journal of Robust and Nonlinear Control*, **1997**, 7, 1003-1021 | 3.6 | 22 |
| 255 | Convergence Rate for Discrete-Time Multiagent Systems With Time-Varying Delays and General Coupling Coefficients. *IEEE Transactions on Neural Networks and Learning Systems*, **2016**, 27, 178-89 | 10.3 | 21 |
| 254 | Stability and Performance of Control Systems with Actuator Saturation. *Control Engineering*, **2018**, | 1 | 21 |
| 253 | Global optimal consensus for discrete-time multi-agent systems with bounded controls. *Automatica* , **2018**, 97, 182-185 | 5.7 | 21 |
| 252 | Identification of Biomarkers for Predicting Lymph Node Metastasis of Stomach Cancer Using Clinical DNA Methylation Data. *Disease Markers*, **2017**, 2017, 5745724 | 3.2 | 21 |
| 251 | A backstepping-based low-and-high gain design for marine vehicles. *International Journal of Robust and Nonlinear Control*, **2009**, 19, 480-493 | 3.6 | 21 |
| 250 | Stabilization of exponentially unstable linear systems with saturating actuators. *IEEE Transactions on Automatic Control*, **2001**, 45, 973-979 | 5.9 | 21 |
| 249 | Control design in the presence of actuator saturation: from individual systems to multi-agent systems. *Science China Information Sciences*, **2019**, 62, 1 | 3.4 | 21 |
| 248 | Fractional Order PID Control of Rotor Suspension by Active Magnetic Bearings. *Actuators*, **2017**, 6, 4 | 2.4 | 20 |
| 247 | Consensus of a class of discrete-time nonlinear multi-agent systems in the presence of communication delays. *ISA Transactions*, **2017**, 71, 10-20 | 5.5 | 19 |
| 246 | Predictor based control of linear systems with state, input and output delays. *Automatica*, **2015**, 53, 385-391 | 5.7 | 19 |
| 245 | Experimental Evaluation of a Surge Controller for an AMB Supported Compressor in the Presence of Piping Acoustics. *IEEE Transactions on Control Systems Technology*, **2014**, 22, 1215-1223 | 4.8 | 19 |

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| 244 | Output feedback stabilization of linear systems with actuator saturation | | 19 |
| 243 | Reinforcement Learning-Based Linear Quadratic Regulation of Continuous-Time Systems Using Dynamic Output Feedback. *IEEE Transactions on Cybernetics*, **2019**, | 10.2 | 19 |
| 242 | Stability and performance analysis of saturated systems via partitioning of the virtual input space. *Automatica*, **2015**, 53, 85-93 | 5.7 | 18 |
| 241 | Disturbance attenuation by output feedback for linear systems subject to actuator saturation. *International Journal of Robust and Nonlinear Control*, **2009**, 19, 168-184 | 3.6 | 18 |
| 240 | On the problem of general structural assignments of linear systems through sensor/actuator selection. *Automatica*, **2003**, 39, 233-241 | 5.7 | 18 |
| 239 | On the tightness of a recent set invariance condition under actuator saturation. *Systems and Control Letters*, **2003**, 49, 389-399 | 2.4 | 18 |
| 238 | Linear systems toolkit in Matlab: structural decompositions and their applications. *Journal of Control Theory and Applications*, **2005**, 3, 287-294 | | 18 |
| 237 | On semiglobal stabilizability of antistable systems by saturated linear feedback. *IEEE Transactions on Automatic Control*, **2002**, 47, 1193-1198 | 5.9 | 18 |
| 236 | Truncated Prediction Output Feedback Control of a Class of Lipschitz Nonlinear Systems With Input Delay. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2016**, 63, 788-792 | 3.5 | 17 |
| 235 | Stabilization of a Class of Linear Systems With Input Delay and the Zero Distribution of Their Characteristic Equations. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2011**, 58, 388-401 | 3.9 | 17 |
| 234 | On improving the performance with bounded continuous feedback laws. *IEEE Transactions on Automatic Control*, **2002**, 47, 1570-1575 | 5.9 | 17 |
| 233 | On the problem of robust and perfect tracking for linear systems with external disturbances. *International Journal of Control*, **2001**, 74, 158-174 | 1.5 | 17 |
| 232 | Large scale gene regulatory network inference with a multi-level strategy. *Molecular BioSystems*, **2016**, 12, 588-97 | | 16 |
| 231 | Reducing power loss in magnetic bearings by optimizing current allocation. *IEEE Transactions on Magnetics*, **2004**, 40, 1625-1635 | 2 | 16 |
| 230 | Time-varying low gain feedback for linear systems with unknown input delay. *Systems and Control Letters*, **2019**, 123, 98-107 | 2.4 | 16 |
| 229 | PID Control for Synchronization of Complex Dynamical Networks With Directed Topologies. *IEEE Transactions on Cybernetics*, **2021**, 51, 1334-1346 | 10.2 | 16 |
| 228 | Unbalance compensation for AMB systems with input delay: An output regulation approach. *Control Engineering Practice*, **2016**, 46, 166-175 | 3.9 | 15 |
| 227 | A switching anti-windup design based on partitioning of the input space. *Systems and Control Letters*, **2016**, 88, 39-46 | 2.4 | 15 |

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| 226 | Coordinated Control of Wheeled Vehicles in the Presence of a Large Communication Delay Through a Potential Functional Approach. *IEEE Transactions on Intelligent Transportation Systems*, **2014**, 15, 2261-2272 | 6.1 | 15 |
| 225 | Characteristic model based control of the X-34 reusable launch vehicle in its climbing phase. *Science in China Series F: Information Sciences*, **2009**, 52, 2216-2225 | | 15 |
| 224 | Semi-global stabilization of partially linear composite systems via feedback of the state of the linear part. *Systems and Control Letters*, **1993**, 20, 199-207 | 2.4 | 15 |
| 223 | Multi-leader multi-follower coordination with cohesion, dispersion, and containment control via proximity graphs. *Science China Information Sciences*, **2017**, 60, 1 | 3.4 | 14 |
| 222 | Event-triggered global stabilization of general linear systems with bounded controls. *Automatica*, **2019**, 107, 241-254 | 5.7 | 14 |
| 221 | SITUP: Scale Invariant Tracking using Average Peak-to-Correlation Energy. *IEEE Transactions on Image Processing*, **2020**, | 8.7 | 14 |
| 220 | Learning automata for image segmentation. *Pattern Recognition Letters*, **2016**, 74, 46-52 | 4.7 | 14 |
| 219 | Design of Distributed Observers in the Presence of Arbitrarily Large Communication Delays. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 4447-4461 | 10.3 | 14 |
| 218 | On higher-order truncated predictor feedback for linear systems with input delay. *International Journal of Robust and Nonlinear Control*, **2014**, 24, 2609-2627 | 3.6 | 14 |
| 217 | Semi-global stabilization of discrete-time linear systems with position and rate-limited actuators. *Systems and Control Letters*, **1998**, 34, 313-322 | 2.4 | 14 |
| 216 | Identification of dynamic parameters of active magnetic bearings in a flexible rotor system considering residual unbalances. *Mechatronics*, **2018**, 49, 46-55 | 3 | 14 |
| 215 | An analysis of the exponential stability of linear stochastic neutral delay systems. *International Journal of Robust and Nonlinear Control*, **2015**, 25, 321-338 | 3.6 | 13 |
| 214 | Output feedback reinforcement Q-learning control for the discrete-time linear quadratic regulator problem **2017**, | | 13 |
| 213 | Truncated state prediction for control of Lipschitz nonlinear systems with input delay **2014**, | | 13 |
| 212 | An LMI approach to the control of exponentially unstable systems with input time delay **2013**, | | 13 |
| 211 | Observer based output feedback control of linear systems with multiple input and output delays **2012**, | | 13 |
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# List of Publications

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