

Guang-Ren Duan

List of Publications by Citations

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298
papers

5,529
citations

40
h-index

63
g-index

377
ext. papers

7,226
ext. citations

3.1
avg. IF

6.76
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 298 | Analysis and Design of Descriptor Linear Systems. <i>Advances in Mechanics and Mathematics</i> , 2010 , | 0.2 | 305 |
| 297 | A Parametric Lyapunov Equation Approach to the Design of Low Gain Feedback. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 1548-1554 | 5.9 | 172 |
| 296 | Solutions of the equation $AV+BW=VF$ and their application to eigenstructure assignment in linear systems. <i>IEEE Transactions on Automatic Control</i> , 1993 , 38, 276-280 | 5.9 | 138 |
| 295 | Gradient based iterative algorithm for solving coupled matrix equations. <i>Systems and Control Letters</i> , 2009 , 58, 327-333 | 2.4 | 134 |
| 294 | A new solution to the generalized Sylvester matrix equation. <i>Systems and Control Letters</i> , 2006 , 55, 193-198 | 1.8 | 123 |
| 293 | LMIs in Control Systems | | 117 |
| 292 | Trilateral Teleoperation of Adaptive Fuzzy Force/Motion Control for Nonlinear Teleoperators With Communication Random Delays. <i>IEEE Transactions on Fuzzy Systems</i> , 2013 , 21, 610-624 | 8.3 | 109 |
| 291 | Weighted least squares solutions to general coupled Sylvester matrix equations. <i>Journal of Computational and Applied Mathematics</i> , 2009 , 224, 759-776 | 2.4 | 106 |
| 290 | A parametric periodic Lyapunov equation with application in semi-global stabilization of discrete-time periodic systems subject to actuator saturation. <i>Automatica</i> , 2011 , 47, 316-325 | 5.7 | 93 |
| 289 | Adaptive block dynamic surface control for integrated missile guidance and autopilot. <i>Chinese Journal of Aeronautics</i> , 2013 , 26, 741-750 | 3.7 | 92 |
| 288 | On the generalized Sylvester mapping and matrix equations. <i>Systems and Control Letters</i> , 2008 , 57, 200-208 | 1.8 | 88 |
| 287 | Stabilization of linear systems with input delay and saturation by a parametric Lyapunov equation approach. <i>International Journal of Robust and Nonlinear Control</i> , 2010 , 20, 1502-1519 | 3.6 | 83 |
| 286 | Lyapunov Differential Equation Approach to Elliptical Orbital Rendezvous with Constrained Controls. <i>Journal of Guidance, Control, and Dynamics</i> , 2011 , 34, 345-358 | 2.1 | 82 |
| 285 | Complete parametric approach for eigenstructure assignment in a class of second-order linear systems. <i>Automatica</i> , 2002 , 38, 725-729 | 5.7 | 79 |
| 284 | An explicit solution to the matrix equation $AX+X=BY$. <i>Linear Algebra and Its Applications</i> , 2005 , 402, 345-366 | 0.9 | 79 |
| 283 | Eigenstructure assignment and response analysis in descriptor linear systems with state feedback control. <i>International Journal of Control</i> , 1998 , 69, 663-694 | 1.5 | 75 |
| 282 | An improved treatment of saturation nonlinearity with its application to control of systems subject to nested saturation. <i>Automatica</i> , 2011 , 47, 306-315 | 5.7 | 74 |

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| 281 | Distributed and Truncated Reduced-Order Observer Based Output Feedback Consensus of Multi-Agent Systems. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 2264-2270 | 5.9 | 70 |
| 280 | Properties of the Parametric Lyapunov Equation-Based Low-Gain Design With Applications in Stabilization of Time-Delay Systems. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 1698-1704 | 5.9 | 69 |
| 279 | A parametric Lyapunov equation approach to low gain feedback design for discrete-time systems. <i>Automatica</i> , 2009 , 45, 238-244 | 5.7 | 69 |
| 278 | On the solution to the Sylvester matrix equation $AV+BW=EVF$. <i>IEEE Transactions on Automatic Control</i> , 1996 , 41, 612-614 | 5.9 | 68 |
| 277 | Robust eigenstructure assignment via dynamical compensators. <i>Automatica</i> , 1993 , 29, 469-474 | 5.7 | 67 |
| 276 | Global stabilization of switched stochastic nonlinear systems in strict-feedback form under arbitrary switchings. <i>Automatica</i> , 2013 , 49, 2571-2575 | 5.7 | 66 |
| 275 | Robust fault detection using Luenberger-type unknown input observers-a parametric approach. <i>International Journal of Systems Science</i> , 2001 , 32, 533-540 | 2.3 | 64 |
| 274 | On Smith-type iterative algorithms for the Stein matrix equation. <i>Applied Mathematics Letters</i> , 2009 , 22, 1038-1044 | 3.5 | 62 |
| 273 | Robust actuator fault diagnosis scheme for satellite attitude control systems. <i>Journal of the Franklin Institute</i> , 2013 , 350, 2560-2580 | 4 | 61 |
| 272 | Periodic Lyapunov Equation Based Approaches to the Stabilization of Continuous-Time Periodic Linear Systems. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 2139-2146 | 5.9 | 60 |
| 271 | Stability and stabilization of discrete-time periodic linear systems with actuator saturation. <i>Automatica</i> , 2011 , 47, 1813-1820 | 5.7 | 58 |
| 270 | Gain Scheduled Control of Linear Systems Subject to Actuator Saturation With Application to Spacecraft Rendezvous. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 2031-2038 | 4.8 | 54 |
| 269 | Robust adaptive integrated translation and rotation control of a rigid spacecraft with control saturation and actuator misalignment. <i>Acta Astronautica</i> , 2013 , 86, 167-187 | 2.9 | 54 |
| 268 | On the absolute stability approach to quantized feedback control. <i>Automatica</i> , 2010 , 46, 337-346 | 5.7 | 54 |
| 267 | Solution to the second-order Sylvester matrix equation $MVF/\sup 2/+DVF+KV=BW$. <i>IEEE Transactions on Automatic Control</i> , 2006 , 51, 805-809 | 5.9 | 53 |
| 266 | Finite iterative solutions to coupled Sylvester-conjugate matrix equations. <i>Applied Mathematical Modelling</i> , 2011 , 35, 1065-1080 | 4.5 | 49 |
| 265 | Iterative solutions to coupled Sylvester-conjugate matrix equations. <i>Computers and Mathematics With Applications</i> , 2010 , 60, 54-66 | 2.7 | 49 |
| 264 | \mathcal{H}_{∞} Control of Discrete-Time Systems With Multiple Input Delays. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 271-283 | 5.9 | 45 |

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| 263 | New versions of Barbalat's lemma with applications. <i>Journal of Control Theory and Applications</i> , 2010 , 8, 545-547 | | 44 |
| 262 | \mathcal{L}_∞ and \mathcal{L}_2 Low-Gain Feedback: Their Properties, Characterizations and Applications in Constrained Control. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 1030-1045 | 5.9 | 42 |
| 261 | On solutions of matrix equations . <i>Mathematical and Computer Modelling</i> , 2008 , 47, 1181-1197 | | 42 |
| 260 | Eigenstructure assignment in descriptor systems via output feedback: A new complete parametric approach. <i>International Journal of Control</i> , 1999 , 72, 345-364 | 1.5 | 41 |
| 259 | An Exact Penalty Method for Free Terminal Time Optimal Control Problem with Continuous Inequality Constraints. <i>Journal of Optimization Theory and Applications</i> , 2012 , 154, 30-53 | 1.6 | 40 |
| 258 | Optimal soft landing control for moon lander. <i>Automatica</i> , 2008 , 44, 1097-1103 | 5.7 | 40 |
| 257 | Global Stabilization of the Double Integrator System With Saturation and Delay in the Input. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2010 , 57, 1371-1383 | 3.9 | 39 |
| 256 | Iterative algorithms for solving a class of complex conjugate and transpose matrix equations. <i>Applied Mathematics and Computation</i> , 2011 , 217, 8343-8353 | 2.7 | 39 |
| 255 | Robust adaptive integrated translation and rotation finite-time control of a rigid spacecraft with actuator misalignment and unknown mass property. <i>International Journal of Systems Science</i> , 2014 , 45, 1007-1034 | 2.3 | 37 |
| 254 | Integrated relative position and attitude control of spacecraft in proximity operation missions. <i>International Journal of Automation and Computing</i> , 2012 , 9, 342-351 | 3.5 | 37 |
| 253 | Robust H_∞ control for a class of uncertain mechanical systems. <i>International Journal of Control</i> , 2010 , 83, 1303-1324 | 1.5 | 37 |
| 252 | Iterative solutions to the extended Sylvester-conjugate matrix equations. <i>Applied Mathematics and Computation</i> , 2010 , 217, 130-142 | 2.7 | 35 |
| 251 | Solution to Generalized Sylvester Matrix Equations. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 811-815 | 5.9 | 35 |
| 250 | Adaptive dynamic surface control for integrated missile guidance and autopilot. <i>International Journal of Automation and Computing</i> , 2011 , 8, 122-127 | 3.5 | 34 |
| 249 | Kronecker Maps and Sylvester-Polynomial Matrix Equations. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 905-910 | 5.9 | 33 |
| 248 | Robust control of spacecraft rendezvous on elliptical orbit. <i>Journal of the Franklin Institute</i> , 2012 , 349, 2515-2529 | 4 | 31 |
| 247 | Solutions to a family of matrix equations by using the Kronecker matrix polynomials. <i>Applied Mathematics and Computation</i> , 2009 , 212, 327-336 | 2.7 | 31 |
| 246 | On solutions of the matrix equations $XFAX = C$ and $XF-AX=C$. <i>Applied Mathematics and Computation</i> , 2006 , 183, 932-941 | 2.7 | 31 |

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| 245 | Gradient-based maximal convergence rate iterative method for solving linear matrix equations. <i>International Journal of Computer Mathematics</i> , 2010 , 87, 515-527 | 1.2 | 30 |
| 244 | On Analytical Approximation of the Maximal Invariant Ellipsoids for Linear Systems With Bounded Controls. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 346-353 | 5.9 | 30 |
| 243 | Robust adaptive dynamic surface control of uncertain non-linear systems with output constraints. <i>IET Control Theory and Applications</i> , 2017 , 11, 110-121 | 2.5 | 29 |
| 242 | Robust global stabilization of linear systems with input saturation via gain scheduling. <i>International Journal of Robust and Nonlinear Control</i> , 2010 , 20, 424-447 | 3.6 | 29 |
| 241 | Detectability and observability of discrete-time stochastic systems and their applications. <i>Automatica</i> , 2009 , 45, 1340-1346 | 5.7 | 28 |
| 240 | Generalized Sylvester Equations | | 28 |
| 239 | High-order fully actuated system approaches: Part I. Models and basic procedure. <i>International Journal of Systems Science</i> , 2021 , 52, 422-435 | 2.3 | 28 |
| 238 | Global robust finite-time stabilisation of unknown pure-feedback systems with input dead-zone non-linearity. <i>IET Control Theory and Applications</i> , 2016 , 10, 234-243 | 2.5 | 27 |
| 237 | Parametric Pole Assignment and Robust Pole Assignment for Discrete-Time Linear Periodic Systems. <i>SIAM Journal on Control and Optimization</i> , 2010 , 48, 3975-3996 | 1.9 | 27 |
| 236 | Robust gain scheduled control of spacecraft rendezvous system subject to input saturation. <i>Aerospace Science and Technology</i> , 2015 , 42, 442-450 | 4.9 | 26 |
| 235 | L ₁ and L ₂ semi-global stabilisation of continuous-time periodic linear systems with bounded controls. <i>International Journal of Control</i> , 2013 , 86, 709-720 | 1.5 | 26 |
| 234 | Robust Adaptive Fault Estimation for a Class of Nonlinear Systems Subject to Multiplicative Faults. <i>Circuits, Systems, and Signal Processing</i> , 2012 , 31, 2035-2046 | 2.2 | 25 |
| 233 | Regularizability Of Linear Descriptor Systems Via Output Plus Partial State Derivative Feedback. <i>Asian Journal of Control</i> , 2008 , 5, 334-340 | 1.7 | 25 |
| 232 | Robust H _∞ Filter design for 2D discrete systems in Roesser model. <i>International Journal of Automation and Computing</i> , 2008 , 5, 413-418 | 3.5 | 25 |
| 231 | Stabilisation of time-varying linear systems via Lyapunov differential equations. <i>International Journal of Control</i> , 2013 , 86, 332-347 | 1.5 | 24 |
| 230 | Approximation and Monotonicity of the Maximal Invariant Ellipsoid for Discrete-Time Systems by Bounded Controls. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 440-446 | 5.9 | 24 |
| 229 | Finite iterative solutions to a class of complex matrix equations with conjugate and transpose of the unknowns. <i>Mathematical and Computer Modelling</i> , 2010 , 52, 1463-1478 | | 24 |
| 228 | Robust magnetic bearing control via eigenstructure assignment dynamical compensation. <i>IEEE Transactions on Control Systems Technology</i> , 2003 , 11, 204-215 | 4.8 | 24 |

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| 227 | Functional interval observer for the linear systems with disturbances. <i>IET Control Theory and Applications</i> , 2018 , 12, 2562-2568 | 2.5 | 24 |
| 226 | Closed-form solutions to Sylvester-conjugate matrix equations. <i>Computers and Mathematics With Applications</i> , 2010 , 60, 95-111 | 2.7 | 23 |
| 225 | Robust adaptive dynamic surface control of uncertain nonlinear systems. <i>International Journal of Control, Automation and Systems</i> , 2011 , 9, 161-168 | 2.9 | 22 |
| 224 | Closed-form solutions to the nonhomogeneous Yakubovich-conjugate matrix equation. <i>Applied Mathematics and Computation</i> , 2009 , 214, 442-450 | 2.7 | 22 |
| 223 | ESA in high-order linear systems via output feedback. <i>Asian Journal of Control</i> , 2009 , 11, 336-343 | 1.7 | 22 |
| 222 | New Iterative Algorithms for Solving Coupled Markovian Jump Lyapunov Equations. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 289-294 | 5.9 | 21 |
| 221 | Two parametric approaches for eigenstructure assignment in second-order linear systems. <i>Journal of Control Theory and Applications</i> , 2003 , 1, 59-64 | | 21 |
| 220 | Barrier Lyapunov function-based integrated guidance and control with input saturation and state constraints. <i>Aerospace Science and Technology</i> , 2019 , 84, 845-855 | 4.9 | 21 |
| 219 | Design of Generalized PI Observers for Descriptor Linear Systems. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2006 , 53, 2828-2837 | | 20 |
| 218 | Robust fault detection using Luenberger-type unknown input observers-a parametric approach | | 20 |
| 217 | High-order fully actuated system approaches: Part II. Generalized strict-feedback systems. <i>International Journal of Systems Science</i> , 2021 , 52, 437-454 | 2.3 | 20 |
| 216 | Full delayed state feedback pole assignment of discrete-time time-delay systems. <i>Optimal Control Applications and Methods</i> , 2010 , 31, 155-169 | 1.7 | 19 |
| 215 | High-order fully actuated system approaches: Part III. Robust control and high-order backstepping. <i>International Journal of Systems Science</i> , 2021 , 52, 952-971 | 2.3 | 19 |
| 214 | Implicit Iterative Algorithms for Continuous Markovian Jump Lyapunov Equations. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 3183-3189 | 5.9 | 18 |
| 213 | Adaptive Dynamic Surface Control for Integrated Missile Guidance and Autopilot in the Presence of Input Saturation. <i>Journal of Aerospace Engineering</i> , 2015 , 28, 04014121 | 1.4 | 18 |
| 212 | Fault-tolerant attitude tracking control of combined spacecraft with reaction wheels under prescribed performance. <i>ISA Transactions</i> , 2020 , 98, 161-172 | 5.5 | 18 |
| 211 | High-order fully actuated system approaches: Part IV. Adaptive control and high-order backstepping. <i>International Journal of Systems Science</i> , 2021 , 52, 972-989 | 2.3 | 18 |
| 210 | Global finite time stabilization of pure-feedback systems with input dead-zone nonlinearity. <i>Journal of the Franklin Institute</i> , 2017 , 354, 4073-4101 | 4 | 17 |

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| 209 | Integrated translational and rotational control for the terminal landing phase of a lunar module. <i>Aerospace Science and Technology</i> , 2013 , 27, 112-126 | 4.9 | 17 |
| 208 | Stabilization of a Class of Linear Systems With Input Delay and the Zero Distribution of Their Characteristic Equations. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2011 , 58, 388-401 | 3.9 | 17 |
| 207 | On unified concepts of detectability and observability for continuous-time stochastic systems. <i>Applied Mathematics and Computation</i> , 2010 , 217, 521-536 | 2.7 | 17 |
| 206 | Generalized PID observer design for descriptor linear systems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007 , 37, 1390-5 | | 17 |
| 205 | Robust Pole Assignment in Descriptor Linear Systems via State Feedback. <i>European Journal of Control</i> , 2002 , 8, 136-149 | 2.5 | 17 |
| 204 | Proportional multiple-integral observer design for discrete-time descriptor linear systems. <i>International Journal of Systems Science</i> , 2012 , 43, 1492-1503 | 2.3 | 15 |
| 203 | On delay-independent stability criteria for linear time-delay systems. <i>International Journal of Automation and Computing</i> , 2007 , 4, 95-100 | 3.5 | 15 |
| 202 | Robust fault detection in linear systems based on PI observers. <i>International Journal of Systems Science</i> , 2006 , 37, 809-816 | 2.3 | 15 |
| 201 | Output feedback gain scheduled control of actuator saturated linear systems with applications to the spacecraft rendezvous. <i>Journal of the Franklin Institute</i> , 2014 , 351, 5015-5033 | 4 | 14 |
| 200 | Output Feedback Stabilization of Switched Stochastic Nonlinear Systems Under Arbitrary Switchings. <i>International Journal of Automation and Computing</i> , 2013 , 10, 571-577 | 3.5 | 14 |
| 199 | High-order fully actuated system approaches: part VII. Controllability, stabilisability and parametric designs. <i>International Journal of Systems Science</i> , 1-24 | 2.3 | 14 |
| 198 | Leader-following fixed-time output feedback consensus for second-order multi-agent systems with input saturation. <i>International Journal of Systems Science</i> , 2018 , 49, 2873-2887 | 2.3 | 14 |
| 197 | Distributed fixed-time consensus tracking for high-order uncertain non-linear multi-agent systems with switching topologies. <i>IET Control Theory and Applications</i> , 2019 , 13, 1761-1772 | 2.5 | 13 |
| 196 | Output feedback elliptical orbital rendezvous via state-dependent Riccati differential equations. <i>IET Control Theory and Applications</i> , 2013 , 7, 1429-1436 | 2.5 | 13 |
| 195 | Post-capture attitude control with prescribed performance. <i>Aerospace Science and Technology</i> , 2020 , 96, 105572 | 4.9 | 13 |
| 194 | Parametric control to a type of quasi-linear second-order systems via output feedback. <i>International Journal of Control</i> , 2019 , 92, 291-302 | 1.5 | 13 |
| 193 | Adaptive control of uncertain pure-feedback nonlinear systems. <i>International Journal of Systems Science</i> , 2017 , 48, 2137-2145 | 2.3 | 12 |
| 192 | An improved adaptive dynamic surface control approach for uncertain nonlinear systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2018 , 32, 713-728 | 2.8 | 12 |

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|-----|--|-----|----|
| 191 | Finite iterative algorithms for the generalized Sylvester-conjugate matrix equation $(\{AX+BY=\overline{E(X)F+S}\})$. <i>Computing (Vienna/New York)</i> , 2010 , 89, 147-170 | 2.2 | 12 |
| 190 | Robust output feedback control for a class of nonlinear systems with input unmodeled dynamics. <i>International Journal of Automation and Computing</i> , 2008 , 5, 307-312 | 3.5 | 12 |
| 189 | High-order fully actuated system approaches: Part V. Robust adaptive control. <i>International Journal of Systems Science</i> , 2021 , 52, 2129-2143 | 2.3 | 12 |
| 188 | High-order fully-actuated system approaches: Part VI. Disturbance attenuation and decoupling. <i>International Journal of Systems Science</i> , 2021 , 52, 2161-2181 | 2.3 | 12 |
| 187 | Anti-unwinding sliding mode attitude control via two modified Rodrigues parameter sets for spacecraft. <i>Automatica</i> , 2021 , 129, 109642 | 5.7 | 12 |
| 186 | Adaptive finite-time tracking control of 6DOF spacecraft motion with inertia parameter identification. <i>IET Control Theory and Applications</i> , 2019 , 13, 2075-2085 | 2.5 | 11 |
| 185 | Finite iterative algorithm for solving coupled Lyapunov equations appearing in continuous-time Markov jump linear systems. <i>International Journal of Systems Science</i> , 2013 , 44, 2082-2093 | 2.3 | 11 |
| 184 | On Eigenvalue Sets and Convergence Rate of Itô Stochastic Systems With Markovian Switching. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 1118-1124 | 5.9 | 11 |
| 183 | Output-feedback super-twisting control for line-of-sight angles tracking of non-cooperative target spacecraft. <i>ISA Transactions</i> , 2019 , 94, 17-27 | 5.5 | 10 |
| 182 | Robust adaptive control for a class of semi-strict feedback systems with state and input constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 3189-3211 | 3.6 | 10 |
| 181 | Parametric control systems design with applications in missile control. <i>Science in China Series F: Information Sciences</i> , 2009 , 52, 2190-2200 | | 10 |
| 180 | Parametric Approach for the Normal Luenberger Function Observer Design in Second-order Linear Systems 2006 , | | 10 |
| 179 | Time domain solution to descriptor variable systems. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 1796-1799 | 5.9 | 10 |
| 178 | Parametric control to a type of quasi-linear high-order systems via output feedback. <i>European Journal of Control</i> , 2019 , 47, 44-52 | 2.5 | 10 |
| 177 | A Parametric Method of Linear Functional Observers for Linear Time-varying Systems. <i>International Journal of Control, Automation and Systems</i> , 2019 , 17, 647-656 | 2.9 | 9 |
| 176 | Adaptive Jacobian force/position tracking for space free-flying robots with prescribed transient performance. <i>Robotics and Autonomous Systems</i> , 2015 , 72, 235-247 | 3.5 | 9 |
| 175 | On Semiglobal Stabilization of Discrete-Time Periodic Systems With Bounded Controls. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2011 , 58, 452-456 | 3.5 | 9 |
| 174 | Consensus seeking in multiagent cooperative control systems with bounded control input. <i>Journal of Control Theory and Applications</i> , 2011 , 9, 210-214 | | 9 |

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| 173 | Right Coprime Factorizations for Single-Input Descriptor Linear Systems: A Simple Numerically Stable Algorithm. <i>Asian Journal of Control</i> , 2008 , 4, 146-158 | 1.7 | 9 |
| 172 | Robust model-reference control for descriptor linear systems subject to parameter uncertainties. <i>Journal of Control Theory and Applications</i> , 2007 , 5, 213-220 | | 9 |
| 171 | Event-Triggered and Self-Triggered Control of Discrete-Time Systems With Input Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-10 | 7.3 | 9 |
| 170 | High-order fully actuated system approaches: Part VIII. Optimal control with application in spacecraft attitude stabilisation. <i>International Journal of Systems Science</i> , 1-20 | 2.3 | 9 |
| 169 | Integrated guidance and control with input saturation and disturbance observer. <i>Journal of Control and Decision</i> , 2018 , 5, 277-299 | 0.9 | 9 |
| 168 | . <i>IEEE Access</i> , 2019 , 7, 39911-39922 | 3.5 | 8 |
| 167 | Distributed Fixed-time Attitude Synchronization Control for Multiple Rigid Spacecraft. <i>International Journal of Control, Automation and Systems</i> , 2019 , 17, 1117-1130 | 2.9 | 8 |
| 166 | Robust H-infinity estimation for linear time-delay systems: An improved LMI approach. <i>International Journal of Control, Automation and Systems</i> , 2009 , 7, 668-673 | 2.9 | 8 |
| 165 | Eigenstructure assignment for linear parameter-varying systems with applications. <i>Mathematical and Computer Modelling</i> , 2011 , 53, 861-870 | | 8 |
| 164 | Robust model following control for a class of second-order dynamical systems subject to parameter uncertainties. <i>Transactions of the Institute of Measurement and Control</i> , 2008 , 30, 115-142 | 1.8 | 8 |
| 163 | Improved Robust H-Infinity Estimation for Uncertain Continuous-Time Systems. <i>Journal of Systems Science and Complexity</i> , 2007 , 20, 362-369 | 1 | 8 |
| 162 | Parametric approach for the normal Luenberger function observer design in second-order descriptor linear systems. <i>International Journal of Automation and Computing</i> , 2008 , 5, 125-131 | 3.5 | 8 |
| 161 | An explicit solution to polynomial matrix right coprime factorization with application in eigenstructure assignment. <i>Journal of Control Theory and Applications</i> , 2006 , 4, 147-154 | | 8 |
| 160 | Finite-Time Concurrent Learning Adaptive Control for Spacecraft with Inertia Parameter Identification. <i>Journal of Guidance, Control, and Dynamics</i> , 2020 , 43, 574-584 | 2.1 | 8 |
| 159 | High-order fully actuated system approaches: Part X. Basics of discrete-time systems. <i>International Journal of Systems Science</i> , 1-23 | 2.3 | 8 |
| 158 | High-order fully-actuated system approaches: Part IX. Generalised PID control and model reference tracking. <i>International Journal of Systems Science</i> , 1-23 | 2.3 | 8 |
| 157 | Manipulator-actuated Adaptive Integrated Translational and Rotational Stabilization for Spacecraft in Proximity Operations with Control Constraint. <i>International Journal of Control, Automation and Systems</i> , 2018 , 16, 2103-2113 | 2.9 | 7 |
| 156 | Adaptive sliding mode control of uncertain nonlinear systems with preassigned settling time and its applications. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 6438-6462 | 3.6 | 7 |

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| 155 | An optimal control approach to spacecraft rendezvous on elliptical orbit. <i>Optimal Control Applications and Methods</i> , 2015 , 36, 158-178 | 1.7 | 7 |
| 154 | Proportional multiple-integral observer design for continuous-time descriptor linear systems. <i>Asian Journal of Control</i> , 2012 , 14, 476-488 | 1.7 | 7 |
| 153 | Aerodynamic Coefficients Models of Hypersonic Vehicle Based on Aero Database 2010 , | | 7 |
| 152 | ROBUST EIGENVALUE ASSIGNMENT IN DESCRIPTOR SYSTEMS VIA OUTPUT FEEDBACK. <i>Asian Journal of Control</i> , 2008 , 6, 145-154 | 1.7 | 7 |
| 151 | Robust H-infinity fault-tolerant control for uncertain descriptor systems by dynamical compensators. <i>Journal of Control Theory and Applications</i> , 2004 , 2, 288-292 | | 7 |
| 150 | Adaptive sliding-mode control for spacecraft relative position tracking with maneuvering target. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 5786-5810 | 3.6 | 7 |
| 149 | Robust stability of uncertain second-order linear time-varying systems. <i>Journal of the Franklin Institute</i> , 2019 , 356, 9881-9906 | 4 | 6 |
| 148 | H ∞ finite-time control for LPV systems with parameter-varying time delays and external disturbance via observer-based state feedback. <i>Journal of the Franklin Institute</i> , 2019 , 356, 6303-6327 | 4 | 6 |
| 147 | Robust adaptive control for a class of cascaded nonlinear systems with applications to space interception. <i>International Journal of Robust and Nonlinear Control</i> , 2014 , 24, 2048-2078 | 3.6 | 6 |
| 146 | Parametric control of quasi-linear systems by output feedback 2014 , | | 6 |
| 145 | Path-following control of wheeled planetary exploration robots moving on deformable rough terrain. <i>Scientific World Journal, The</i> , 2014 , 2014, 793526 | 2.2 | 6 |
| 144 | Parametric control of quasi-linear systems via state feedback 2014 , | | 6 |
| 143 | Controllability and stability of discrete-time antilinear systems 2013 , | | 6 |
| 142 | Unified parametrization for the solutions to the polynomial diophantine matrix equation and the generalized Sylvester matrix equation. <i>International Journal of Control, Automation and Systems</i> , 2010 , 8, 29-35 | 2.9 | 6 |
| 141 | ESA in high-order descriptor linear systems via output feedback. <i>International Journal of Control, Automation and Systems</i> , 2010 , 8, 408-417 | 2.9 | 6 |
| 140 | Enhanced LMI representations for H ₂ performance of polytopic uncertain systems: Continuous-time case. <i>International Journal of Automation and Computing</i> , 2006 , 3, 304-308 | 3.5 | 6 |
| 139 | Dynamic infinity-norm constrained control allocation for attitude tracking control of overactuated combined spacecraft. <i>IET Control Theory and Applications</i> , 2019 , 13, 1692-1703 | 2.5 | 6 |
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