

Poogyeon Park

List of Publications by Year in descending order

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99
papers

6,544
citations

185998

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102
all docs

102
docs citations

102
times ranked

2438
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Deep Learning-Based Explainable Fault Diagnosis Model With an Individually Grouped 1-D Convolution for Three-Axis Vibration Signals. IEEE Transactions on Industrial Informatics, 2022, 18, 8807-8817. | 7.2 | 16 |
| 2 | Asynchronous mode-dependent sampled-data control of nonhomogeneous Markovian jump linear systems via an improved looped-functional approach. IET Control Theory and Applications, 2022, 16, 1110-1126. | 1.2 | 1 |
| 3 | A generalized multiple-integral inequality based on free matrices: Application to stability analysis of time-varying delay systems. Applied Mathematics and Computation, 2022, 430, 127288. | 1.4 | 4 |
| 4 | Variable step-size saturation affine projection algorithm against impulsive noise. Journal of the Franklin Institute, 2022, 359, 7025-7050. | 1.9 | 4 |
| 5 | Modified Looped Functional for Sampled-Data Control of S Fuzzy Markovian Jump Systems. IEEE Transactions on Fuzzy Systems, 2021, 29, 2543-2552. | 6.5 | 36 |
| 6 | New bounded real lemma for singular Markovian jump systems: Application to H^∞ control. International Journal of Robust and Nonlinear Control, 2021, 31, 907-919. | 2.1 | 11 |
| 7 | Dynamic output-feedback control for singular interval-valued fuzzy systems: Linear matrix inequality approach. Information Sciences, 2021, 576, 393-406. | 4.0 | 17 |
| 8 | A Variable Step-Size Robust Saturation Algorithm Against Impulsive Noises. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2279-2283. | 2.2 | 8 |
| 9 | An improved stability criterion for linear systems with multi-rate sampled data. Nonlinear Analysis: Hybrid Systems, 2020, 38, 100947. | 2.1 | 3 |
| 10 | An extended looped-functional for stability analysis of sampled-data systems. International Journal of Robust and Nonlinear Control, 2020, 30, 7962-7969. | 2.1 | 19 |
| 11 | Adaptive Learning-Rate Backpropagation Neural Network Algorithm Based on the Minimization of Mean-Square Deviation for Impulsive Noises. IEEE Access, 2020, 8, 98018-98026. | 2.6 | 7 |
| 12 | Finite-interval quadratic polynomial inequalities and their application to time-delay systems. Journal of the Franklin Institute, 2020, 357, 4316-4327. | 1.9 | 50 |
| 13 | Recursive Least-Squares Lattice Algorithm Combined With Secondary-Path Innovation and Lattice-Order Decision Algorithms for Active Noise Control. IEEE Access, 2020, 8, 15952-15962. | 2.6 | 3 |
| 14 | Output-feedback stabilization for descriptor Markovian jump systems with generally uncertain transition rates. IFAC-PapersOnLine, 2020, 53, 2045-2050. | 0.5 | 2 |
| 15 | A positive real lemma for singular hybrid systems. IFAC-PapersOnLine, 2020, 53, 2051-2056. | 0.5 | 0 |
| 16 | Active noise control algorithm robust to noisy inputs and measurement impulsive noises. , 2020, , . | | 2 |
| 17 | H^∞ filtering for singular Markovian jump systems with partly unknown transition rates. Automatica, 2019, 109, 108528. | 1.0 | 50 |
| 18 | Dynamic output-feedback control for singular S fuzzy systems using fuzzy Lyapunov functions. Nonlinear Dynamics, 2019, 98, 1957-1971. | 2.7 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Dynamic output-feedback control for singular Markovian jump systems with partly unknown transition rates. <i>Nonlinear Dynamics</i> , 2019, 95, 3149-3160. | 2.7 | 29 |
| 20 | Sampled-data control for continuous-time Markovian jump linear systems via a fragmented-delay state and its state-space model. <i>Journal of the Franklin Institute</i> , 2019, 356, 5073-5086. | 1.9 | 12 |
| 21 | A less conservative stability criterion for sampled-data system via a fractional-delayed state and its state-space model. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 2561-2572. | 2.1 | 11 |
| 22 | A stability criterion for asynchronously switched linear systems via sampled-data control. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 2315-2332. | 2.1 | 19 |
| 23 | A Less Conservative Stability Criterion for Discrete-Time Lur'e Systems With Sector and Slope Restrictions. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 4391-4395. | 3.6 | 13 |
| 24 | A strictly bounded real lemma for singular Markovian jump systems. , 2019, , . | | 0 |
| 25 | Dynamic output-feedback control for descriptor Markovian jump T-S fuzzy systems with model uncertainty. , 2019, , . | | 0 |
| 26 | A bias-compensated proportionate NLMS algorithm with noisy input signals. <i>International Journal of Communication Systems</i> , 2019, 32, e4167. | 1.6 | 1 |
| 27 | NLMS Algorithm Robust Against Noisy Input and Impulsive Noise in Sparse Systems. , 2019, , . | | 1 |
| 28 | Bessel summation inequalities for stability analysis of discrete-time systems with time-varying delays. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 473-491. | 2.1 | 27 |
| 29 | Output-feedback control for singular Markovian jump systems with input saturation. <i>Nonlinear Dynamics</i> , 2018, 93, 1231-1240. | 2.7 | 10 |
| 30 | Affine Bessel-Legendre inequality: Application to stability analysis for systems with time-varying delays. <i>Automatica</i> , 2018, 93, 535-539. | 3.0 | 86 |
| 31 | $\langle \text{mml:math xmlns:mml= "http://www.w3.org/1998/Math/MathML" altimg= si8.gif overflow="scroll"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="script"} \rangle H \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \hat{z} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ control for Markovian jump fuzzy systems with partly unknown transition rates and input saturation. <i>Journal of the Franklin Institute</i> , 2019, 355, 2499-2514. | 1.9 | 15 |
| 32 | Dynamic output-feedback control for continuous-time singular Markovian jump systems. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 3521-3531. | 2.1 | 31 |
| 33 | An improved fragmentation approach to sampled-data synchronization of chaotic Lur'e systems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2018, 29, 333-347. | 2.1 | 18 |
| 34 | A linear programming approach for stabilization of positive Markovian jump systems with a saturated single input. <i>Nonlinear Analysis: Hybrid Systems</i> , 2018, 29, 322-332. | 2.1 | 28 |
| 35 | Orthogonal-polynomials-based integral inequality and its applications to systems with additive time-varying delays. <i>Journal of the Franklin Institute</i> , 2018, 355, 421-435. | 1.9 | 27 |
| 36 | A filtered-x VSS-NSAF active noise control algorithm robust to impulsive noise through the application of step-size scaler. , 2018, , . | | 0 |

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|----|--|-----|-----------|
| 37 | A filtered-x VSS-NSAF active noise control algorithm robust to impulsive noise through the application of step-size scaler. , 2018, , . | | 1 |
| 38 | Stability analysis for systems with time-varying delay via orthogonal-polynomial-based integral inequality. IFAC-PapersOnLine, 2018, 51, 277-281. | 0.5 | 2 |
| 39 | Adaptive regularisation for normalised subband adaptive filter: mean square performance analysis approach. IET Signal Processing, 2018, 12, 1146-1153. | 0.9 | 7 |
| 40 | $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{mathvariant="bold-script"} \rangle H \langle \text{mml:mi} \rangle \hat{\alpha} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ sampled-state feedback control for synchronization of chaotic Lur systems with time delays. Journal of the Franklin Institute, 2018, 355, 8005-8026. | 1.9 | 22 |
| 41 | Optimal $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml10" display="inline" overflow="scroll" altimg="si10.gif" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{mathvariant="script"} \rangle H \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{\alpha} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ filtering for singular Markovian jump systems. Systems and Control Letters, 2018, 118, 22-28. | 1.3 | 26 |
| 42 | An improved stability criteria for neutral-type Lur systems with time-varying delays. Journal of the Franklin Institute, 2018, 355, 5291-5309. | 1.9 | 16 |
| 43 | Polynomials-based summation inequalities and their applications to discrete-time systems with time-varying delays. International Journal of Robust and Nonlinear Control, 2017, 27, 3604-3619. | 2.1 | 18 |
| 44 | Dynamic Output-Feedback Control for Singular Markovian Jump System: LMI Approach. IEEE Transactions on Automatic Control, 2017, 62, 5396-5400. | 3.6 | 80 |
| 45 | Polynomials-based integral inequality for stability analysis of linear systems with time-varying delays. Journal of the Franklin Institute, 2017, 354, 2053-2067. | 1.9 | 23 |
| 46 | \mathcal{H}_∞ state-feedback control for continuous-time Markovian jump fuzzy systems using a fuzzy weighting-dependent Lyapunov function. Nonlinear Dynamics, 2017, 90, 2001-2011. | 2.7 | 24 |
| 47 | $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si11.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{mathvariant="script"} \rangle H \langle \text{mml:mi} \rangle \hat{\alpha} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ control for singular Markovian jump systems with incomplete knowledge of transition probabilities. Applied Mathematics and Computation, 2017, 295, 126-135. | 1.4 | 50 |
| 48 | Improved stability criteria for linear systems with interval time-varying delays: Generalized zero equalities approach. Applied Mathematics and Computation, 2017, 292, 336-348. | 1.4 | 46 |
| 49 | Stability analysis of discrete-time systems with time-varying delays: generalized zero equalities approach. International Journal of Robust and Nonlinear Control, 2017, 27, 981-999. | 2.1 | 11 |
| 50 | A Variable Step-Size Normalized Subband Adaptive Filter With a Step-Size Scaler Against Impulsive Measurement Noise. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 842-846. | 2.2 | 27 |
| 51 | Dynamic output-feedback stabilisation for Markovian jump systems with incomplete transition description and input quantisation: linear matrix inequality approach. IET Control Theory and Applications, 2017, 11, 2643-2649. | 1.2 | 3 |
| 52 | A combined first- and second-order reciprocal convexity approach for stability analysis of systems with interval time-varying delays. Journal of the Franklin Institute, 2016, 353, 2104-2116. | 1.9 | 17 |
| 53 | Improved $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0004.gif" overflow="scroll" \rangle \langle \text{mml:mi} \text{mathvariant="script"} \rangle H \langle \text{mml:math} \rangle \hat{\alpha}$ state-feedback control for continuous-time Markovian jump fuzzy systems with incomplete knowledge of transition probabilities. Journal of the Franklin Institute, 2016, 353, 3985-3998. | 1.9 | 32 |
| 54 | New stability analysis for discrete time-delay systems via auxiliary-function-based summation inequalities. Journal of the Franklin Institute, 2016, 353, 5068-5080. | 1.9 | 7 |

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| 55 | Less conservative stabilization conditions for Markovian jump systems with incomplete knowledge of transition probabilities and input saturation. <i>Optimal Control Applications and Methods</i> , 2016, 37, 1207-1216. | 1.3 | 10 |
| 56 | Special issue on time-delay systems and their applications. <i>International Journal of Control, Automation and Systems</i> , 2016, 14, 1-2. | 1.6 | 15 |
| 57 | Auxiliary function-based integral/summation inequalities: Application to continuous/discrete time-delay systems. <i>International Journal of Control, Automation and Systems</i> , 2016, 14, 3-11. | 1.6 | 45 |
| 58 | A diffusion subband adaptive filtering algorithm for distributed estimation using variable step size and new combination method based on the MSD. , 2016, 48, 361-369. | | 25 |
| 59 | Auxiliary function-based integral inequalities for quadratic functions and their applications to time-delay systems. <i>Journal of the Franklin Institute</i> , 2015, 352, 1378-1396. | 1.9 | 643 |
| 60 | H_∞ control of continuous-time uncertain linear systems with quantized-input saturation and external disturbances. <i>Nonlinear Dynamics</i> , 2015, 79, 2457-2467. | 2.7 | 8 |
| 61 | A Variable Step-Size Diffusion Normalized Least-Mean-Square Algorithm with a Combination Method Based on Mean-Square Deviation. <i>Circuits, Systems, and Signal Processing</i> , 2015, 34, 3291-3304. | 1.2 | 34 |
| 62 | Stabilization of Markovian jump systems with incomplete knowledge of transition probabilities and input quantization. <i>Journal of the Franklin Institute</i> , 2015, 352, 4354-4365. | 1.9 | 26 |
| 63 | Efficient variable step-size diffusion normalised least-mean-square algorithm. <i>Electronics Letters</i> , 2015, 51, 395-397. | 0.5 | 13 |
| 64 | An optimal variable step-size affine projection algorithm for the modified filtered-x active noise control. <i>Signal Processing</i> , 2015, 114, 100-111. | 2.1 | 19 |
| 65 | An improved stability criterion for discrete-time Lur'e systems with sector- and slope-restrictions. <i>Automatica</i> , 2015, 51, 255-258. | 3.0 | 18 |
| 66 | An Improved NLMS Algorithm in Sparse Systems Against Noisy Input Signals. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2015, 62, 271-275. | 2.2 | 41 |
| 67 | Variable step-size sign algorithm against impulsive noises. <i>IET Signal Processing</i> , 2015, 9, 506-510. | 0.9 | 9 |
| 68 | Auxiliary Function-based Summation Inequalities for Quadratic Functions and their Application to Discrete-time Delay Systems. <i>IFAC-PapersOnLine</i> , 2015, 48, 203-208. | 0.5 | 8 |
| 69 | Variable step-size non-negative normalised least-mean-square-type algorithm. <i>IET Signal Processing</i> , 2015, 9, 618-622. | 0.9 | 2 |
| 70 | State-feedback control for LPV systems with interval uncertain parameters. <i>Journal of the Franklin Institute</i> , 2015, 352, 5214-5225. | 1.9 | 18 |
| 71 | Variable individual step-size subband adaptive filtering algorithm. <i>Electronics Letters</i> , 2014, 50, 177-178. | 0.5 | 29 |
| 72 | Variable matrix-type step-size affine projection algorithm with orthogonalized input vectors. <i>Signal Processing</i> , 2014, 98, 135-142. | 2.1 | 10 |

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|----|---|-----|-----------|
| 73 | Improved criteria on robust stability and H^∞ performance for linear systems with interval time-varying delays via new triple integral functionals. <i>Applied Mathematics and Computation</i> , 2014, 243, 570-577. | 1.4 | 61 |
| 74 | A variable step-size affine projection algorithm with a step-size scaler against impulsive measurement noise. <i>Signal Processing</i> , 2014, 96, 321-324. | 2.1 | 16 |
| 75 | Multistage \hat{H}^3 -level H_∞ control for input-saturated systems with disturbances. <i>Nonlinear Dynamics</i> , 2013, 73, 1729-1739. | 2.7 | 2 |
| 76 | Variable Step-Size Sign Subband Adaptive Filter. <i>IEEE Signal Processing Letters</i> , 2013, 20, 173-176. | 2.1 | 64 |
| 77 | Normalised least-mean-square algorithm for adaptive filtering of impulsive measurement noises and noisy inputs. <i>Electronics Letters</i> , 2013, 49, 1270-1272. | 0.5 | 51 |
| 78 | Improved affine projection sign algorithm for sparse system identification. <i>Electronics Letters</i> , 2012, 48, 927. | 0.5 | 6 |
| 79 | Improved approach to robust stability and H^∞ performance analysis for systems with an interval time-varying delay. <i>Applied Mathematics and Computation</i> , 2012, 218, 10533-10541. | 1.4 | 50 |
| 80 | Stabilization for Takagi-Sugeno fuzzy systems based on partitioning the range of fuzzy weights. <i>Automatica</i> , 2012, 48, 970-973. | 3.0 | 13 |
| 81 | H_2 state-feedback control for LPV systems with input saturation and matched disturbance. <i>Nonlinear Dynamics</i> , 2012, 67, 1083-1096. | 2.7 | 17 |
| 82 | Reciprocally convex approach to stability of systems with time-varying delays. <i>Automatica</i> , 2011, 47, 235-238. | 3.0 | 2,248 |
| 83 | Variable regularized least-squares algorithm: One-step-ahead cost function with equivalent optimality. <i>Signal Processing</i> , 2011, 91, 1224-1228. | 2.1 | 7 |
| 84 | A two-stage affine projection algorithm with mean-square-error-matching step-sizes. <i>Signal Processing</i> , 2011, 91, 2639-2646. | 2.1 | 9 |
| 85 | State-feedback disturbance attenuation for polytopic LPV systems with input saturation. <i>International Journal of Robust and Nonlinear Control</i> , 2010, 20, 899-922. | 2.1 | 8 |
| 86 | Dynamic output-feedback guaranteed cost control for linear systems with uniform input quantization. <i>Nonlinear Dynamics</i> , 2010, 62, 95-104. | 2.7 | 32 |
| 87 | H^∞ state-feedback control for fuzzy systems with input saturation via fuzzy weighting-dependent Lyapunov functions. <i>Computers and Mathematics With Applications</i> , 2009, 57, 981-990. | 1.4 | 20 |
| 88 | Networked-based robust H^∞ control design using multiple levels of network traffic. <i>Automatica</i> , 2009, 45, 764-770. | 3.0 | 62 |
| 89 | Induced H^∞ -norm FIR filter for recovering MPSK-type modulus signals. <i>Signal Processing</i> , 2008, 88, 2731-2737. | 2.1 | 2 |
| 90 | Output feedback variable structure control for linear systems with uncertainties and disturbances. <i>Automatica</i> , 2007, 43, 72-79. | 3.0 | 71 |

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| 91 | Constrained RHC for LPV systems with bounded rates of parameter variations. Automatica, 2004, 40, 865-872. | 3.0 | 47 |
| 92 | Output-feedback H^∞ control of systems over communication networks using a deterministic switching system approach. Automatica, 2004, 40, 1205-1212. | 3.0 | 156 |
| 93 | Stability criteria of sector- and slope-restricted Lur'e systems. IEEE Transactions on Automatic Control, 2002, 47, 308-313. | 3.6 | 88 |
| 94 | Delay-dependent robust stabilization of uncertain state-delayed systems. International Journal of Control, 2001, 74, 1447-1455. | 1.2 | 1,370 |
| 95 | Output-Feedback Receding Horizon Controller Design for LTV Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 161-165. | 0.4 | 0 |
| 96 | LPV controller design for the nonlinear RTAC system. International Journal of Robust and Nonlinear Control, 2001, 11, 1343-1363. | 2.1 | 42 |
| 97 | A Revisited Tsytkin Criterion for Discrete-Time Nonlinear Lur'e Systems with Monotonic Sector-Restrictions. Automatica, 1998, 34, 1417-1420. | 3.0 | 47 |
| 98 | The asymptotic stability of nonlinear (Lur'e) systems with multiple slope restrictions. IEEE Transactions on Automatic Control, 1998, 43, 979-982. | 3.6 | 19 |
| 99 | A revisited Popov criterion for nonlinear Lur'e systems with sector-restrictions. International Journal of Control, 1997, 68, 461-470. | 1.2 | 73 |