

Ian Petersen

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481
papers

11,262
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47
h-index

95
g-index

565
ext. papers

14,466
ext. citations

3.5
avg, IF

6.79
L-index

#	Paper	IF	Citations
481	A stabilization algorithm for a class of uncertain linear systems. <i>Systems and Control Letters</i> , 1987 , 8, 351-357	2.4	929
480	. <i>IEEE Transactions on Automatic Control</i> , 1990 , 35, 356-361	5.9	904
479	A riccati equation approach to the stabilization of uncertain linear systems. <i>Automatica</i> , 1986 , 22, 397-411	5.7	546
478	. <i>IEEE Transactions on Automatic Control</i> , 1994 , 39, 1971-1977	5.9	302
477	H^{∞} Control of Linear Quantum Stochastic Systems. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 1787-1803	5.9	293
476	Quantum control theory and applications: a survey. <i>IET Control Theory and Applications</i> , 2010 , 4, 2651-2671	5.7	262
475	Disturbance attenuation and H^{∞} optimization: A design method based on the algebraic Riccati equation. <i>IEEE Transactions on Automatic Control</i> , 1987 , 32, 427-429	5.9	238
474	Robust Control Design Using H^{∞} Methods. <i>Communications and Control Engineering</i> , 2000 ,	0.6	226
473	Robust Kalman Filtering for Signals and Systems with Large Uncertainties 1999 ,		203
472	Stability Robustness of a Feedback Interconnection of Systems With Negative Imaginary Frequency Response. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 1042-1046	5.9	194
471	Feedback Control of Negative-Imaginary Systems. <i>IEEE Control Systems</i> , 2010 , 30, 54-72	2.9	184
470	Coherent quantum LQG control. <i>Automatica</i> , 2009 , 45, 1837-1846	5.7	184
469	A first principles solution to the non-singular H^{∞} control problem. <i>International Journal of Robust and Nonlinear Control</i> , 1991 , 1, 171-185	3.6	171
468	Stability results for switched controller systems. <i>Automatica</i> , 1999 , 35, 553-564	5.7	161
467	Minimax optimal control of stochastic uncertain systems with relative entropy constraints. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 398-412	5.9	155
466	. <i>IEEE Transactions on Automatic Control</i> , 1988 , 33, 786-788	5.9	142
465	Robust control of uncertain systems: Classical results and recent developments. <i>Automatica</i> , 2014 , 50, 1315-1335	5.7	129

464	Fast machine-learning online optimization of ultra-cold-atom experiments. <i>Scientific Reports</i> , 2016 , 6, 25890	4.9	110
463	A Negative Imaginary Lemma and the Stability of Interconnections of Linear Negative Imaginary Systems. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 2342-2347	5.9	108
462	High-speed cycloid-scan atomic force microscopy. <i>Nanotechnology</i> , 2010 , 21, 365503	3.4	105
461	Sliding mode control of two-level quantum systems. <i>Automatica</i> , 2012 , 48, 725-735	5.7	90
460	Robust state estimation and model validation for discrete-time uncertain systems with a deterministic description of noise and uncertainty. <i>Automatica</i> , 1998 , 34, 271-274	5.7	90
459	A Negative Imaginary Approach to Modeling and Control of a Collocated Structure. <i>IEEE/ASME Transactions on Mechatronics</i> , 2012 , 17, 717-727	5.5	84
458	Minimax optimal control of uncertain systems with structured uncertainty. <i>International Journal of Robust and Nonlinear Control</i> , 1995 , 5, 119-137	3.6	82
457	Robustness and risk-sensitive filtering. <i>IEEE Transactions on Automatic Control</i> , 2002 , 47, 451-461	5.9	81
456	. <i>IEEE Transactions on Automatic Control</i> , 1995 , 40, 1080-1083	5.9	79
455	Robust pole assignment. <i>Automatica</i> , 1987 , 23, 601-610	5.7	77
454	Generalizing Negative Imaginary Systems Theory to Include Free Body Dynamics: Control of Highly Resonant Structures With Free Body Motion. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 2692-2707	5.9	76
453	Sliding mode control of quantum systems. <i>New Journal of Physics</i> , 2009 , 11, 105033	2.9	76
452	Monotonicity and stabilizability- properties of solutions of the Riccati difference equation: Propositions, lemmas, theorems, fallacious conjectures and counterexamples. <i>Systems and Control Letters</i> , 1985 , 5, 309-315	2.4	76
451	Linear ultimate boundedness control of uncertain dynamical systems. <i>Automatica</i> , 1983 , 19, 523-532	5.7	76
450	Optimal guaranteed cost filtering for uncertain discrete-time linear systems. <i>International Journal of Robust and Nonlinear Control</i> , 1996 , 6, 267-280	3.6	74
449	Optimal guaranteed cost control of discrete-time uncertain linear systems. <i>International Journal of Robust and Nonlinear Control</i> , 1998 , 8, 649-657	3.6	66
448	Optimal Lyapunov-based quantum control for quantum systems. <i>Physical Review A</i> , 2012 , 86,	2.6	62
447	Linear quadratic differential games with cheap control. <i>Systems and Control Letters</i> , 1986 , 8, 181-188	2.4	62

446	Sampling-based learning control of inhomogeneous quantum ensembles. <i>Physical Review A</i> , 2014 , 89,	2.6	60
445	Coherent H^{∞} Control for a Class of Annihilation Operator Linear Quantum Systems. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 309-319	5.9	56
444	Set-valued state estimation via a limited capacity communication channel. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 676-680	5.9	56
443	A negative-imaginary lemma without minimality assumptions and robust state-feedback synthesis for uncertain negative-imaginary systems. <i>Systems and Control Letters</i> , 2012 , 61, 1269-1276	2.4	52
442	. <i>IEEE Transactions on Automatic Control</i> , 1995 , 40, 122-127	5.9	52
441	. <i>IEEE Nanotechnology Magazine</i> , 2014 , 13, 541-550	2.6	50
440	Avoiding entanglement sudden death via measurement feedback control in a quantum network. <i>Physical Review A</i> , 2008 , 78,	2.6	50
439	Model validation for robust control of uncertain systems with an integral quadratic constraint. <i>Automatica</i> , 1996 , 32, 603-606	5.7	50
438	A connection between control and the absolute stabilizability of uncertain systems. <i>Systems and Control Letters</i> , 1994 , 23, 197-203	2.4	50
437	Robust manipulation of superconducting qubits in the presence of fluctuations. <i>Scientific Reports</i> , 2015 , 5, 7873	4.9	49
436	Bounded Real Properties for a Class of Annihilation-Operator Linear Quantum Systems. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 786-801	5.9	48
435	A procedure for simultaneously stabilizing a collection of single input linear systems using non-linear state feedback control. <i>Automatica</i> , 1987 , 23, 33-40	5.7	48
434	Minimax LQG optimal control of a flexible beam. <i>Control Engineering Practice</i> , 2003 , 11, 1273-1287	3.9	47
433	Absolute Stabilization and Minimax Optimal Control of Uncertain Systems with Stochastic Uncertainty. <i>SIAM Journal on Control and Optimization</i> , 1999 , 37, 1089-1122	1.9	46
432	Robust Output Feedback Consensus for Networked Negative-Imaginary Systems. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 2547-2552	5.9	45
431	Finite Horizon Minimax Optimal Control of Stochastic Partially Observed Time Varying Uncertain Systems. <i>Mathematics of Control, Signals, and Systems</i> , 1999 , 12, 1-23	1.3	45
430	Optimal guaranteed cost control of uncertain systems via static and dynamic output feedback. <i>Automatica</i> , 1996 , 32, 575-579	5.7	45
429	Spectral Conditions for Negative Imaginary Systems With Applications to Nanopositioning. <i>IEEE/ASME Transactions on Mechatronics</i> , 2014 , 19, 895-903	5.5	44

428	Robust stabilization of linear uncertain discrete-time systems via a limited capacity communication channel. <i>Systems and Control Letters</i> , 2004 , 53, 347-360	2.4	44
427	An LMI approach to output-feedback-guaranteed cost control for uncertain time-delay systems. <i>International Journal of Robust and Nonlinear Control</i> , 2000 , 10, 157-174	3.6	44
426	Model validation and state estimation for uncertain continuous-time systems with missing discrete-continuous data. <i>Computers and Electrical Engineering</i> , 1999 , 25, 29-43	4.3	43
425	Resonant Controller Design for a Piezoelectric Tube Scanner: A Mixed Negative-Imaginary and Small-Gain Approach. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 1899-1906	4.8	42
424	Stabilization of an Uncertain Linear System in which Uncertain Parameters Enter Into the Input Matrix. <i>SIAM Journal on Control and Optimization</i> , 1988 , 26, 1257-1264	1.9	42
423	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2018 , 54, 2397-2410	3.7	41
422	A Quantum Hamiltonian Identification Algorithm: Computational Complexity and Error Analysis. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 1388-1403	5.9	41
421	Robust cooperative control of multiple heterogeneous Negative-Imaginary systems. <i>Automatica</i> , 2015 , 61, 64-72	5.7	40
420	Creep, Hysteresis, and Cross-Coupling Reduction in the High-Precision Positioning of the Piezoelectric Scanner Stage of an Atomic Force Microscope. <i>IEEE Nanotechnology Magazine</i> , 2013 , 12, 1125-1134	2.6	40
419	A Frequency Domain Condition for the Physical Realizability of Linear Quantum Systems. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 2033-2044	5.9	40
418	Rapid Lyapunov control of finite-dimensional quantum systems. <i>Automatica</i> , 2017 , 81, 164-175	5.7	39
417	Tracking of Triangular Reference Signals Using LQG Controllers for Lateral Positioning of an AFM Scanner Stage. <i>IEEE/ASME Transactions on Mechatronics</i> , 2014 , 19, 1105-1114	5.5	39
416	Nonlinear state estimation for uncertain systems with an integral constraint. <i>IEEE Transactions on Signal Processing</i> , 1998 , 46, 2926-2937	4.8	39
415	Quadratic stabilizability of uncertain linear systems containing both constant and time-varying uncertain parameters. <i>Journal of Optimization Theory and Applications</i> , 1988 , 57, 439-461	1.6	39
414	Structural Stabilization of Uncertain Systems: Necessity of the Matching Condition. <i>SIAM Journal on Control and Optimization</i> , 1985 , 23, 286-296	1.9	39
413	Minimax LQG Control of Stochastic Partially Observed Uncertain Systems. <i>SIAM Journal on Control and Optimization</i> , 2002 , 40, 1189-1226	1.9	38
412	. <i>IEEE Transactions on Automatic Control</i> , 1993 , 38, 799-803	5.9	38
411	Identifying Strong-Field Effects in Indirect Photofragmentation Reactions. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 1-6	6.4	37

410	Towards Controller Synthesis for Systems with Negative Imaginary Frequency Response. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 1506-1511	5.9	36
409	Robust stability of uncertain linear quantum systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012 , 370, 5354-63	3	36
408	Decentralized state-feedback stabilization and robust control of uncertain large-scale systems with integrally constrained interconnections. <i>Systems and Control Letters</i> , 2000 , 40, 107-119	2.4	36
407	Hybrid dynamical systems: robust control synthesis problems. <i>Systems and Control Letters</i> , 1996 , 29, 81-90	2.4	36
406	Cascade cavity realization for a class of complex transfer functions arising in coherent quantum feedback control. <i>Automatica</i> , 2011 , 47, 1757-1763	5.7	35
405	Notes on sliding mode control of two-level quantum systems. <i>Automatica</i> , 2012 , 48, 3089-3097	5.7	34
404	Robust Properties of Risk-Sensitive Control. <i>Mathematics of Control, Signals, and Systems</i> , 2000 , 13, 318-332	2.4	34
403	Uncertainty modeling and robust minimax LQR control of multivariable nonlinear systems with application to hypersonic flight. <i>Asian Journal of Control</i> , 2012 , 14, 1180-1193	1.7	33
402	A miscellany of results of an equation of Count J. F. Riccati. <i>IEEE Transactions on Automatic Control</i> , 1986 , 31, 651-654	5.9	33
401	On lossless negative imaginary systems. <i>Automatica</i> , 2012 , 48, 1213-1217	5.7	32
400	Some new results on algebraic Riccati equations arising in linear quadratic differential games and the stabilization of uncertain linear systems. <i>Systems and Control Letters</i> , 1988 , 10, 341-348	2.4	32
399	Sampling-Based Learning Control for Quantum Systems With Uncertainties. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 2155-2166	4.8	31
398	A generalized negative imaginary lemma and Riccati-based static state-feedback negative imaginary synthesis. <i>Systems and Control Letters</i> , 2015 , 77, 63-68	2.4	31
397	A new extension to Kharitonov's theorem 1987 ,		31
396	High gain observers applied to problems in the stabilization of uncertain linear systems, disturbance attenuation and H_2 optimization. <i>International Journal of Adaptive Control and Signal Processing</i> , 1988 , 2, 347-369	2.8	31
395	Output feedback negative imaginary synthesis under structural constraints. <i>Automatica</i> , 2016 , 71, 222-238	2.8	30
394	A Discrete-Time Robust Extended Kalman Filter for Uncertain Systems With Sum Quadratic Constraints. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 850-854	5.9	30
393	Robust filtering with missing data and a deterministic description of noise and uncertainty. <i>International Journal of Systems Science</i> , 1997 , 28, 373-378	2.3	30

392	Structured dissipativeness and absolute stability of nonlinear systems. <i>International Journal of Control</i> , 1995 , 62, 443-460	1.5	30
391	Notions of stabilizability and controllability for a class of uncertain linear systems. <i>International Journal of Control</i> , 1987 , 46, 409-422	1.5	30
390	A strongly strict negative-imaginary lemma for non-minimal linear systems. <i>Communications in Information and Systems</i> , 2011 , 11, 139-142	0.8	30
389	Robust performance analysis for uncertain negative-imaginary systems. <i>International Journal of Robust and Nonlinear Control</i> , 2012 , 22, 262-281	3.6	29
388	A Survey of Methods Used to Control Piezoelectric Tube Scanners in High-Speed AFM Imaging. <i>Asian Journal of Control</i> , 2018 , 20, 1379-1399	1.7	28
387	Spatial balanced model reduction for flexible structures. <i>Automatica</i> , 1999 , 35, 269-277	5.7	28
386	Negative imaginary systems theory and applications. <i>Annual Reviews in Control</i> , 2016 , 42, 309-318	10.3	28
385	Robust incoherent control of qubit systems via switching and optimisation. <i>International Journal of Control</i> , 2010 , 83, 206-217	1.5	26
384	Frequency locking of an optical cavity using linear-quadratic Gaussian integral control. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 175501	1.3	26
383	Fault tolerant quantum filtering and fault detection for quantum systems. <i>Automatica</i> , 2016 , 71, 125-134	3.7	25
382	Sampled-Data Design for Robust Control of a Single Qubit. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 2654-2659	5.9	25
381	Control effort considerations in the stabilization of uncertain dynamical systems. <i>Systems and Control Letters</i> , 1987 , 9, 417-422	2.4	25
380	Quantum Linear Systems Theory. <i>Open Automation and Control Systems Journal</i> , 2016 , 8, 67-93		25
379	High-speed spiral imaging technique for an atomic force microscope using a linear quadratic Gaussian controller. <i>Review of Scientific Instruments</i> , 2014 , 85, 033706	1.7	24
378	Local Mode Dependent Decentralized Stabilization of Uncertain Markovian Jump Large-Scale Systems. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 2632-2637	5.9	24
377	Probabilistic distances between finite-state finite-alphabet hidden Markov models. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 505-511	5.9	24
376	Switching time-invariant formation control of a collaborative multi-agent system using negative imaginary systems theory. <i>Control Engineering Practice</i> , 2020 , 95, 104245	3.9	24
375	A quasi-separation principle and Newton-like scheme for coherent quantum LQG control. <i>Systems and Control Letters</i> , 2013 , 62, 550-559	2.4	22

374	A Novel Control Approach for High-Precision Positioning of a Piezoelectric Tube Scanner. <i>IEEE Transactions on Automation Science and Engineering</i> , 2017 , 14, 325-336	4.9	21
373	Multivariable Negative-Imaginary Controller Design for Damping and Cross Coupling Reduction of Nanopositioners: A Reference Model Matching Approach. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015 , 20, 3123-3134	5.5	21
372	Learning robust pulses for generating universal quantum gates. <i>Scientific Reports</i> , 2016 , 6, 36090	4.9	21
371	Robust Hybrid Nonlinear Control Systems for the Dynamics of a Quadcopter Drone. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 1-13	7.3	21
370	Robust \mathcal{H}^{∞} Control of an Uncertain System Via a Stable Output Feedback Controller. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 1418-1423	5.9	21
369	Optimal Lyapunov quantum control of two-level systems: Convergence and extended techniques. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014 , 378, 1074-1080	2.3	20
368	Robust decentralized stabilization of Markovian jump large-scale systems: A neighboring mode dependent control approach. <i>Automatica</i> , 2013 , 49, 3105-3111	5.7	19
367	Effect of Improved Tracking for Atomic Force Microscope on Piezo Nonlinear Behavior. <i>Asian Journal of Control</i> , 2015 , 17, 747-761	1.7	19
366	Resonant controller for fast atomic force microscopy 2012 ,		19
365	Robust Output Feedback Guaranteed Cost Control of Nonlinear Stochastic Uncertain Systems Via an IQC Approach. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 1299-1304	5.9	19
364	Adaptive Second-Order Strictly Negative Imaginary Controllers Based on the Interval Type-2 Fuzzy Self-Tuning Systems for a Hovering Quadrotor With Uncertainties. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020 , 25, 11-20	5.5	19
363	A MIMO Double Resonant Controller Design for Nanopositioners. <i>IEEE Nanotechnology Magazine</i> , 2015 , 14, 224-237	2.6	18
362	Finite Frequency Negative Imaginary Systems. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 2917-2922	3.2	18
361	Pulsed quantum cascade laser-based CRDS substance detection: real-time detection of TNT. <i>Optics Express</i> , 2012 , 20, 15489-502	3.3	18
360	The Kalman Decomposition for Linear Quantum Systems. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 331-346	5.9	17
359	A benchmark 3D fingerprint database 2014 ,		17
358	Robust finite horizon minimax filtering for discrete-time stochastic uncertain systems. <i>Systems and Control Letters</i> , 2004 , 52, 99-112	2.4	17
357	Notions of Observability for Uncertain Linear Systems with Structured Uncertainty. <i>SIAM Journal on Control and Optimization</i> , 2002 , 41, 345-361	1.9	17

356	Optimizing the Guaranteed Cost in the Control of Uncertain Linear Systems 1992 , 241-250		16
355	Quantum Noises, Physical Realizability and Coherent Quantum Feedback Control. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 998-1003	5.9	15
354	Performance Analysis and Coherent Guaranteed Cost Control for Uncertain Quantum Systems Using Small Gain and Popov Methods. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 1524-1529	5.9	15
353	Coherent robust H_2 control of linear quantum systems with uncertainties in the Hamiltonian and coupling operators. <i>Automatica</i> , 2017 , 81, 8-21	5.7	15
352	Feedback linearization-based robust nonlinear control design for hypersonic flight vehicles. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2013 , 227, 3-11	1	15
351	Robust guaranteed cost state estimation for nonlinear stochastic uncertain systems via an IQC approach. <i>Systems and Control Letters</i> , 2009 , 58, 865-870	2.4	15
350	Model predictive control of atomic force microscope for fast image scanning 2012 ,		15
349	Robust minimax optimal control of nonlinear uncertain systems using feedback linearization with application to hypersonic flight vehicles 2009 ,		15
348	Guaranteed Cost Control of Uncertain Systems with a Time-Multiplied Quadratic Cost Function: An Approach Based on Linear Matrix Inequalities. <i>Automatica</i> , 1998 , 34, 651-654	5.7	15
347	Guaranteed cost control of uncertain systems via Lur'e-Postnikov Lyapunov functions. <i>Automatica</i> , 2000 , 36, 279-285	5.7	15
346	Uncertainty-Averaging approach to output feedback optimal guaranteed cost control of uncertain systems. <i>Journal of Optimization Theory and Applications</i> , 1996 , 88, 321-337	1.6	15
345	A connection between H_2 control and the absolute stabilizability of discrete-time uncertain linear systems. <i>Automatica</i> , 1995 , 31, 1193-1195	5.7	15
344	Uncertainty Modeling and Robust Minimax LQR Control of Hypersonic Flight Vehicles 2010 ,		14
343	An uncertainty averaging approach to optimal guaranteed cost control of uncertain systems with structured uncertainty. <i>Automatica</i> , 1995 , 31, 1649-1653	5.7	14
342	Quantum gate identification: Error analysis, numerical results and optical experiment. <i>Automatica</i> , 2019 , 101, 269-279	5.7	14
341	Quantum Hamiltonian Identifiability via a Similarity Transformation Approach and Beyond. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 4632-4647	5.9	13
340	A direct coupling coherent quantum observer 2014 ,		13
339	A Popov stability condition for uncertain linear quantum systems 2013 ,		13

338	Controllability of quantum systems with switching control. <i>International Journal of Control</i> , 2011 , 84, 37-46	1.5	13
337	On the worst-case disturbance of minimax optimal control. <i>Automatica</i> , 2005 , 41, 847-855	5.7	13
336	Robust filtering of stochastic uncertain systems on an infinite time horizon. <i>International Journal of Control</i> , 2002 , 75, 614-626	1.5	13
335	A quantum extended Kalman filter. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017 , 50, 2253012		12
334	Feedback Tracking Control of Non-Markovian Quantum Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2017 , 25, 1552-1563	4.8	12
333	Guaranteed cost control of stochastic uncertain systems with slope bounded nonlinearities via the use of dynamic multipliers. <i>Automatica</i> , 2011 , 47, 411-417	5.7	11
332	A new stability result for the feedback interconnection of negative imaginary systems with a pole at the origin 2011 ,		11
331	Robust stability and performance of stochastic uncertain systems on an infinite time interval. <i>Systems and Control Letters</i> , 2001 , 44, 291-308	2.4	11
330	A method for robust stabilization related to the Popov stability criterion. <i>International Journal of Control</i> , 1995 , 62, 1105-1115	1.5	11
329	Robust observability for a class of time-varying discrete-time uncertain systems. <i>Systems and Control Letters</i> , 1996 , 27, 261-266	2.4	11
328	An LMI approach to output-feedback-guaranteed cost control for uncertain time-delay systems 2000 , 10, 157		11
327	Linear Threshold Discrete-Time Recurrent Neural Networks: Stability and Globally Attractive Sets. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 2650-2656	5.9	10
326	Sampled-data LQG control for a class of linear quantum systems. <i>Systems and Control Letters</i> , 2012 , 61, 369-374	2.4	10
325	Resonant control of atomic force microscope scanner: A mixed-negative-imaginary and small-gain approach 2013 ,		10
324	Robust stability of quantum systems with a nonlinear coupling operator 2012 ,		10
323	Finite Horizon Robust State Estimation for Uncertain Finite-Alphabet Hidden Markov Models with Conditional Relative Entropy Constraints. <i>SIAM Journal on Control and Optimization</i> , 2008 , 47, 476-508	1.9	10
322	A method for simultaneous strong stabilization of linear time-varying systems. <i>International Journal of Systems Science</i> , 2000 , 31, 685-689	2.3	10
321	High-gain observer approach to disturbance attenuation using measurement feedback. <i>International Journal of Control</i> , 1988 , 48, 2453-2464	1.5	10

320	An exponential quantum projection filter for open quantum systems. <i>Automatica</i> , 2019 , 99, 59-68	5.7	10
319	Fuzzy Self-Tuning of Strictly Negative-Imaginary Controllers for Trajectory Tracking of a Quadcopter Unmanned Aerial Vehicle. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 5036-5045	8.9	10
318	Complete elimination of nonlinear light-matter interactions with broadband ultrafast laser pulses. <i>Physical Review A</i> , 2017 , 95,	2.6	9
317	The transfer function of generic linear quantum stochastic systems has a pure cascade realization. <i>Automatica</i> , 2016 , 69, 324-333	5.7	9
316	Approach for improved positioning of an atomic force microscope piezoelectric tube scanner. <i>Micro and Nano Letters</i> , 2014 , 9, 407-411	0.9	9
315	Formation control of multi-UAVs using negative-imaginary systems theory 2017 ,		9
314	Internal reference model based optimal LQG controller for atomic force microscope 2012 ,		9
313	Quantum robust stability of a small Josephson junction in a resonant cavity 2012 ,		9
312	Sampling-based learning control for quantum systems with hamiltonian uncertainties 2013 ,		9
311	Nonlinear estimation of ring-down time for a Fabry-Perot optical cavity. <i>Optics Express</i> , 2011 , 19, 6377-86	3	9
310	Homodyne locking of a squeezer. <i>Optics Letters</i> , 2009 , 34, 2465-7	3	9
309	Minimax LQR Control Design for a Hypersonic Flight Vehicle 2009 ,		9
308	Multivariable integral control of resonant structures 2008 ,		9
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306	Robust adaptive H _∞ control using integral quadratic constraints. <i>Automatica</i> , 2008 , 44, 2661-2668	5.7	9
305	. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 2315-2329	4.8	9
304	Linear quantum systems with diagonal passive Hamiltonian and a single dissipative channel. <i>Systems and Control Letters</i> , 2017 , 99, 64-71	2.4	8
303	Robust adaptive quantum phase estimation. <i>New Journal of Physics</i> , 2015 , 17, 063020	2.9	8

302	Partial fingerprint indexing: a combination of local and reconstructed global features. <i>Concurrency Computation Practice and Experience</i> , 2016 , 28, 2940-2957	1.4	8
301	Quantum filter for a class of non-Markovian quantum systems 2015 ,		8
300	Synthesis of Linear Coherent Quantum Control Systems Using A Differential Evolution Algorithm. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 799-805	5.9	8
299	Performance analysis and coherent guaranteed cost control for uncertain quantum systems 2014 ,		8
298	Stability analysis for interconnected systems with fixed passivity, negative-imaginary and small-gain properties 2013 ,		8
297	Robust nonlinear control design of a hypersonic flight vehicle using minimax linear quadratic Gaussian control 2010 ,		8
296	Robust nonlinear control of a nonlinear uncertain system with input coupling and its application to hypersonic flight vehicles 2010 ,		8
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111	Extended Kalman Filter for indoor and outdoor localization of a wheeled mobile robot 2016 ,		2
110	Pure Gaussian quantum states from passive Hamiltonians and an active local dissipative process 2016 ,		2
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81	Low pass filter model-based offline estimation of ring-down time for an experimental Fabry-Perot optical cavity 2012 ,		1
80	A robust continuous time fixed lag smoother for nonlinear uncertain systems 2013 ,		1
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