

George J Pappas

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

400
papers

15,117
citations

62
h-index

111
g-index

440
ext. papers

18,537
ext. citations

3.6
avg, IF

7.07
L-index

#	Paper	IF	Citations
400	Flocking in Fixed and Switching Networks. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 863-868	5.9	956
399	Conflict resolution for air traffic management: a study in multiagent hybrid systems. <i>IEEE Transactions on Automatic Control</i> , 1998 , 43, 509-521	5.9	640
398	Leader-to-formation stability. <i>IEEE Transactions on Automation Science and Engineering</i> , 2004 , 20, 443-455		499
397	Discrete abstractions of hybrid systems. <i>Proceedings of the IEEE</i> , 2000 , 88, 971-984	14.3	465
396	Temporal-Logic-Based Reactive Mission and Motion Planning. <i>IEEE Transactions on Robotics</i> , 2009 , 25, 1370-1381	6.5	397
395	Analysis and Control of Epidemics: A Survey of Spreading Processes on Complex Networks. <i>IEEE Control Systems</i> , 2016 , 36, 26-46	2.9	304
394	Robustness of temporal logic specifications for continuous-time signals. <i>Theoretical Computer Science</i> , 2009 , 410, 4262-4291	1.1	294
393	Cooperative air and ground surveillance. <i>IEEE Robotics and Automation Magazine</i> , 2006 , 13, 16-25	3.4	279
392	Approximation Metrics for Discrete and Continuous Systems. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 782-798	5.9	266
391	A Framework for Worst-Case and Stochastic Safety Verification Using Barrier Certificates. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 1415-1428	5.9	243
390	Temporal logic motion planning for dynamic robots. <i>Automatica</i> , 2009 , 45, 343-352	5.7	241
389	Graph-theoretic connectivity control of mobile robot networks. <i>Proceedings of the IEEE</i> , 2011 , 99, 1525-1540	14.9	233
388	Potential Fields for Maintaining Connectivity of Mobile Networks 2007 , 23, 812-816		217
387	. <i>IEEE Robotics and Automation Magazine</i> , 2007 , 14, 61-70	3.4	204
386	Distributed Connectivity Control of Mobile Networks. <i>IEEE Transactions on Robotics</i> , 2008 , 24, 1416-1428	6.5	202
385	. <i>IEEE Transactions on Automatic Control</i> , 2006 , 51, 1862-1877	5.9	190
384	O-Minimal Hybrid Systems. <i>Mathematics of Control, Signals, and Systems</i> , 2000 , 13, 1-21	1.3	165

383	Differentially Private Filtering. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 341-354	5.9	159
382	Probabilistic data association for semantic SLAM 2017 ,		159
381	Discrete abstractions for robot motion planning and control in polygonal environments 2005 , 21, 864-874		151
380	Optimal Resource Allocation for Network Protection Against Spreading Processes. <i>IEEE Transactions on Control of Network Systems</i> , 2014 , 1, 99-108	4	145
379	Hybrid Control for Connectivity Preserving Flocking. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 2869-2875	5.9	145
378	Symbolic Reachability Computation for Families of Linear Vector Fields. <i>Journal of Symbolic Computation</i> , 2001 , 32, 231-253	0.8	144
377	Bisimilar linear systems. <i>Automatica</i> , 2003 , 39, 2035-2047	5.7	140
376	Optimal Paths in Weighted Timed Automata. <i>Lecture Notes in Computer Science</i> , 2001 , 49-62	0.9	127
375	Robustness of attack-resilient state estimators 2014 ,		114
374	Distributed multi-robot task assignment and formation control 2008 ,		113
373	Single cell manipulation using ferromagnetic composite microtransporters. <i>Applied Physics Letters</i> , 2010 , 96, 043705	3.4	110
372	Flocking while preserving network connectivity 2007 ,		108
371	Electrokinetic and optical control of bacterial microrobots. <i>Journal of Micromechanics and Microengineering</i> , 2011 , 21, 035001	2	106
370	Hierarchically consistent control systems. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 1144-1160	5.9	104
369	Coding Schemes for Securing Cyber-Physical Systems Against Stealthy Data Injection Attacks. <i>IEEE Transactions on Control of Network Systems</i> , 2017 , 4, 106-117	4	101
368	. <i>IEEE Transactions on Control of Network Systems</i> , 2017 , 4, 82-92	4	99
367	The Wireless Control Network: A New Approach for Control Over Networks. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 2305-2318	5.9	99
366	Vision-Based Localization for LeaderFollower Formation Control. <i>IEEE Transactions on Robotics</i> , 2009 , 25, 1431-1438	6.5	99

365	A distributed auction algorithm for the assignment problem 2008 ,		98
364	Where@Waldo? Sensor-Based Temporal Logic Motion Planning. <i>Proceedings - IEEE International Conference on Robotics and Automation</i> , 2007 ,		98
363	. <i>IEEE Transactions on Control of Network Systems</i> , 2016 , 3, 67-78	4	97
362	Taxi Dispatch With Real-Time Sensing Data in Metropolitan Areas: A Receding Horizon Control Approach. <i>IEEE Transactions on Automation Science and Engineering</i> , 2016 , 13, 463-478	4.9	94
361	. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 50-64	5.9	93
360	Hierarchical modeling and analysis of embedded systems. <i>Proceedings of the IEEE</i> , 2003 , 91, 11-28	14.3	93
359	A New Class of Decidable Hybrid Systems. <i>Lecture Notes in Computer Science</i> , 1999 , 137-151	0.9	93
358	Optimal Power Management in Wireless Control Systems. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 1495-1510	5.9	92
357	Hierarchical control system design using approximate simulation. <i>Automatica</i> , 2009 , 45, 566-571	5.7	92
356	Approximations of Stochastic Hybrid Systems. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 1193-1203	5.3	86
355	Resilient Flocking for Mobile Robot Teams. <i>IEEE Robotics and Automation Letters</i> , 2017 , 2, 1039-1046	4.2	82
354	Approximate Bisimulation: A Bridge Between Computer Science and Control Theory. <i>European Journal of Control</i> , 2011 , 17, 568-578	2.5	80
353	Temporal Logic Motion Planning for Mobile Robots		80
352	Monte-carlo techniques for falsification of temporal properties of non-linear hybrid systems 2010 ,		79
351	Hybrid Modeling and Simulation of Biomolecular Networks. <i>Lecture Notes in Computer Science</i> , 2001 , 19-32	0.9	76
350	Bisimulation relations for dynamical, control, and hybrid systems. <i>Theoretical Computer Science</i> , 2005 , 342, 229-261	1.1	75
349	Hybrid Controllers for Path Planning: A Temporal Logic Approach		75
348	Optimal vaccine allocation to control epidemic outbreaks in arbitrary networks 2013 ,		74

347	Compositional Modeling and Analysis of Multi-Hop Control Networks. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 2345-2357	5.9	72
346	ATPC. <i>ACM Transactions on Sensor Networks</i> , 2016 , 12, 1-31	2.9	71
345	Differential privacy in control and network systems 2016 ,		70
344	Controlling Connectivity of Dynamic Graphs		69
343	Design and Implementation of Attack-Resilient Cyberphysical Systems: With a Focus on Attack-Resilient State Estimators. <i>IEEE Control Systems</i> , 2017 , 37, 66-81	2.9	68
342	Optimal Resource Allocation for Control of Networked Epidemic Models. <i>IEEE Transactions on Control of Network Systems</i> , 2017 , 4, 159-169	4	66
341	Stochastic game approach for replay attack detection 2013 ,		64
340	Translating Structured English to Robot Controllers. <i>Advanced Robotics</i> , 2008 , 22, 1343-1359	1.7	64
339	Modeling, control and experimental characterization of microbiorobots. <i>International Journal of Robotics Research</i> , 2011 , 30, 647-658	5.7	63
338	The Swarm at the Edge of the Cloud. <i>IEEE Design and Test</i> , 2014 , 31, 8-20	1.4	62
337	Approximate Simulation Relations for Hybrid Systems. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , 2008 , 18, 163-179	1	61
336	Verisig 2019 ,		60
335	. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 51-65	5.9	60
334	Approximate bisimulation relations for constrained linear systems. <i>Automatica</i> , 2007 , 43, 1307-1317	5.7	60
333	A Framework and Architecture for Multi-Robot Coordination. <i>International Journal of Robotics Research</i> , 2002 , 21, 977-995	5.7	60
332	Robust Test Generation and Coverage for Hybrid Systems. <i>Lecture Notes in Computer Science</i> , 2007 , 329-342		60
331	Network Integrity in Mobile Robotic Networks. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 3-18	5.9	59
330	Opportunistic Control Over Shared Wireless Channels. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 3140-3155	5.9	58

329	Automated composition of motion primitives for multi-robot systems from safe LTL specifications 2014,		57
328	Dynamic Assignment in Distributed Motion Planning With Local Coordination 2008, 24, 232-242		56
327	Observability of Switched Linear Systems in Continuous Time. <i>Lecture Notes in Computer Science, 2005, 103-117</i>	0.9	56
326	Motion feasibility of multi-agent formations 2005, 21, 387-392		55
325	Decentralized active information acquisition: Theory and application to multi-robot SLAM 2015,		53
324	Robustness of Temporal Logic Specifications. <i>Lecture Notes in Computer Science, 2006, 178-192</i>	0.9	51
323	Stochastic Source Seeking by Mobile Robots. <i>IEEE Transactions on Automatic Control, 2012, 57, 2308-2324</i>	3.9	50
322	Consistent abstractions of affine control systems. <i>IEEE Transactions on Automatic Control, 2002, 47, 745-756</i>	3.56	50
321	Nonmyopic View Planning for Active Object Classification and Pose Estimation. <i>IEEE Transactions on Robotics, 2014, 30, 1078-1090</i>	6.5	49
320	Spectral mapping of brain functional connectivity from diffusion imaging. <i>Scientific Reports, 2018, 8, 1411</i>	4.9	47
319	Bisimilar control affine systems. <i>Systems and Control Letters, 2004, 52, 49-58</i>	2.4	47
318	Verification Using Simulation. <i>Lecture Notes in Computer Science, 2006, 272-286</i>	0.9	47
317	Vision-based Localization of Leader-Follower Formations		46
316	The wireless control network: Monitoring for malicious behavior 2010,		45
315	Optimal paths in weighted timed automata. <i>Theoretical Computer Science, 2004, 318, 297-322</i>	1.1	45
314	Genetic network identification using convex programming. <i>IET Systems Biology, 2009, 3, 155-66</i>	1.4	44
313	Inferring stable genetic networks from steady-state data. <i>Automatica, 2011, 47, 1113-1122</i>	5.7	43
312	A hybrid stochastic game for secure control of cyber-physical systems. <i>Automatica, 2018, 93, 55-63</i>	5.7	42

311	Distributed Algorithms for Stochastic Source Seeking With Mobile Robot Networks. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137,	1.6	41
310	Valet parking without a valet 2007 ,		41
309	Attack-resilient state estimation in the presence of noise 2015 ,		40
308	Anytime Planning for Decentralized Multirobot Active Information Gathering. <i>IEEE Robotics and Automation Letters</i> , 2018 , 3, 1025-1032	4.2	39
307	Leader-Follower Formations: Uncalibrated Vision-Based Localization and Control. <i>Proceedings - IEEE International Conference on Robotics and Automation</i> , 2007 ,		39
306	Privacy-aware quadratic optimization using partially homomorphic encryption 2016 ,		39
305	Model Checking LTL over Controllable Linear Systems Is Decidable. <i>Lecture Notes in Computer Science</i> , 2003 , 498-513	0.9	39
304	Courteous Cars. <i>IEEE Robotics and Automation Magazine</i> , 2008 , 15, 30-38	3.4	38
303	Coding sensor outputs for injection attacks detection 2014 ,		37
302	Green scheduling of control systems for peak demand reduction 2011 ,		36
301	Approximate Bisimulations for Nonlinear Dynamical Systems		36
300	Maintaining Connectivity in Mobile Robot Networks. <i>Springer Tracts in Advanced Robotics</i> , 2009 , 117-126	0.5	36
299	Optimal Resource Allocation for Competitive Spreading Processes on Bilayer Networks. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 298-307	4	35
298	Experimental cooperative control of fixed-wing unmanned aerial vehicles 2004 ,		35
297	Compositional safety analysis using barrier certificates 2012 ,		34
296	Accurate Event Detection for Simulating Hybrid Systems. <i>Lecture Notes in Computer Science</i> , 2001 , 204-207		34
295	Attack resilient state estimation for autonomous robotic systems 2014 ,		32
294	Information acquisition with sensing robots: Algorithms and error bounds 2014 ,		32

293	Modeling and Analysis of Multi-hop Control Networks 2009 ,		31
292	Distributed connectivity control of mobile networks 2007 ,		31
291	Localization from semantic observations via the matrix permanent. <i>International Journal of Robotics Research</i> , 2016 , 35, 73-99	5.7	30
290	. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 3120-3121	5.9	28
289	Adaptive Communication-Constrained Deployment of Unmanned Vehicle Systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2012 , 30, 923-934	14.2	28
288	Multi-UAV Cooperative Surveillance with Spatio-Temporal Specifications 2006 ,		28
287	Semantic Localization Via the Matrix Permanent		28
286	Differentially private convex optimization with piecewise affine objectives 2014 ,		27
285	Adaptive Deployment of Mobile Robotic Networks. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 654-666	5.9	27
284	Compositional Abstractions of Hybrid Control Systems. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , 2004 , 14, 203-238	1	27
283	Flocking in Teams of Nonholonomic Agents. <i>Lecture Notes in Control and Information Sciences</i> , 229-239	0.5	27
282	Online planning for energy-efficient and disturbance-aware UAV operations 2016 ,		27
281	. <i>IEEE Robotics and Automation Letters</i> , 2019 , 4, 129-136	4.2	27
280	Cloud-Based MPC with Encrypted Data 2018 ,		27
279	On trajectory optimization for active sensing in Gaussian process models 2009 ,		26
278	State Estimation with Secrecy against Eavesdroppers. <i>IFAC-PapersOnLine</i> , 2017 , 50, 8385-8392	0.7	25
277	Wireless manipulation of single cells using magnetic microtransporters 2011 ,		25
276	Distributed formation control with permutation symmetries 2007 ,		25

275	Hierarchical trajectory refinement for a class of nonlinear systems. <i>Automatica</i> , 2005 , 41, 701-708	5.7	25
274	A control-theoretic approach to disseminating values and overcoming malicious links in wireless networks. <i>Automatica</i> , 2012 , 48, 2894-2901	5.7	24
273	Temporal Logic Verification Using Simulation. <i>Lecture Notes in Computer Science</i> , 2006 , 171-186	0.9	23
272	Data-driven distributionally robust vehicle balancing using dynamic region partitions 2017 ,		22
271	Data-Driven Network Resource Allocation for Controlling Spreading Processes. <i>IEEE Transactions on Network Science and Engineering</i> , 2015 , 2, 127-138	4.9	22
270	Stochastic source seeking in complex environments 2012 ,		22
269	Translating Temporal Logic to Controller Specifications 2006 ,		22
268	Quotients of Fully Nonlinear Control Systems. <i>SIAM Journal on Control and Optimization</i> , 2005 , 43, 1844-1866	1.9	22
267	Minimal actuator placement with optimal control constraints 2015 ,		21
266	Approximate equivalence and synchronization of metric transition systems. <i>Systems and Control Letters</i> , 2009 , 58, 94-101	2.4	21
265	Identification of stable genetic networks using convex programming 2008 ,		21
264	High-confidence medical device software and systems. <i>Computer</i> , 2006 , 39, 33-38	1.6	21
263	From structured english to robot motion 2007 ,		21
262	SMC 2017 ,		21
261	. <i>Computing in Science and Engineering</i> , 2002 , 4, 20-31	1.5	20
260	Robust Sampling for MITL Specifications. <i>Lecture Notes in Computer Science</i> , 2007 , 147-162	0.9	20
259	Teaching recurrent neural networks to infer global temporal structure from local examples. <i>Nature Machine Intelligence</i> , 2021 , 3, 316-323	22.5	20
258	. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 175-191	4.8	20

257	Mobility & routing control in networks of robots 2010 ,		19
256	Receding-horizon supervisory control of green buildings 2011 ,		19
255	Characterization of novel microsatellite markers in <i>Musa acuminata</i> subsp. <i>burmannicoides</i> , var. Calcutta 4. <i>BMC Research Notes</i> , 2010 , 3, 148	2.3	19
254	Bisimulation Relations for Dynamical and Control Systems. <i>Electronic Notes in Theoretical Computer Science</i> , 2003 , 69, 120-136	0.7	19
253	Trajectory Based Verification Using Local Finite-Time Invariance. <i>Lecture Notes in Computer Science</i> , 2009 , 223-236	0.9	19
252	. <i>IEEE Transactions on Control of Network Systems</i> , 2019 , 6, 312-323	4	19
251	State-Secrecy Codes for Networked Linear Systems. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 2001-2015	5.9	19
250	Robust Economic Model Predictive Control of Continuous-Time Epidemic Processes. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 1116-1131	5.9	19
249	Trade-offs between driving nodes and time-to-control in complex networks. <i>Scientific Reports</i> , 2017 , 7, 39978	4.9	18
248	. <i>Proceedings of the IEEE</i> , 2018 , 106, 1655-1679	14.3	18
247	Calibration-free network localization using non-line-of-sight ultra-wideband measurements 2017 ,		18
246	Topological Conditions for In-Network Stabilization of Dynamical Systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2013 , 31, 794-807	14.2	18
245	Approximate Bisimulations for Constrained Linear Systems		18
244	Stabilization of non-holonomic vehicles under kinematic constraints. <i>International Journal of Control</i> , 1995 , 61, 933-947	1.5	18
243	A Study on Run Time Assurance for Complex Cyber Physical Systems 2013 ,		18
242	Verification of Hybrid Systems 2018 , 1047-1110		18
241	Optimal power management in wireless control systems 2013 ,		17
240	Resilient monotone submodular function maximization 2017 ,		17

239	Stability analysis of generalized epidemic models over directed networks 2014 ,		17
238	Topological conditions for wireless control networks 2011 ,		17
237	Towards continuous abstractions of dynamical and control systems. <i>Lecture Notes in Computer Science</i> , 1997 , 329-341	0.9	17
236	Near-optimal sensor scheduling for batch state estimation: Complexity, algorithms, and limits 2016 ,		17
235	Linear temporal logic motion planning for teams of underactuated robots using satisfiability modulo convex programming 2017 ,		16
234	Periodic event-triggered average consensus over directed graphs 2015 ,		16
233	Minimum cost constrained input-output and control configuration co-design problem: A structural systems approach 2015 ,		16
232	The Wireless Control Network: Synthesis and robustness 2010 ,		16
231	Closing the loop 2012 ,		16
230	Automatically synthesizing a planning and control subsystem for the DARPA urban challenge 2008 ,		16
229	Approximate reduction of dynamic systems. <i>Systems and Control Letters</i> , 2008 , 57, 538-545	2.4	16
228	State-based communication design for wireless control systems 2016 ,		16
227	Random access design for wireless control systems. <i>Automatica</i> , 2018 , 91, 1-9	5.7	15
226	Implan: Scalable Incremental Motion Planning for Multi-Robot Systems 2016 ,		15
225	Green scheduling: Scheduling of control systems for peak power reduction 2011 ,		15
224	Differentially private Kalman filtering 2012 ,		15
223	A dynamical systems approach to weighted graph matching. <i>Automatica</i> , 2008 , 44, 2817-2824	5.7	15
222	From nonlinear to Hamiltonian via feedback. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 1439-1443	3.9	15

221	Self-triggered time-varying convex optimization 2016,		15
220	Decidable Controller Synthesis for Classes of Linear Systems. <i>Lecture Notes in Computer Science,</i> 2000, 407-420	0.9	15
219	An approach to the verification of the Center-TRACON automation system. <i>Lecture Notes in Computer Science,</i> 1998, 289-304	0.9	15
218	Taxi dispatch with real-time sensing data in metropolitan areas 2015,		14
217	Joint estimation and localization in sensor networks 2014,		14
216	Scalable scheduling of building control systems for peak demand reduction 2012,		14
215	Scalable scheduling algorithms for wireless networked control systems 2009,		14
214	Mode Switching Synthesis for Reachability Specifications. <i>Lecture Notes in Computer Science,</i> 2001, 333-346		14
213	Optimal resource allocation for competing epidemics over arbitrary networks 2015,		13
212	. <i>IEEE Transactions on Control of Network Systems,</i> 2018, 5, 709-721	4	13
211	Minimum number of probes for brain dynamics observability 2015,		13
210	Biosensing and actuation for microbiorobots 2010,		13
209	Time-triggered implementations of dynamic controllers 2006,		13
208	Information Driven Coordinated Air-Ground Proactive Sensing		13
207	Asymptotically Optimal Planning for Non-Myopic Multi-Robot Information Gathering		13
206	An Optimization-Based Approach to Time-Critical Cooperative Surveillance and Coverage with UAVs 2008, 491-500		13
205	Scalable lazy SMT-based motion planning 2016,		13
204	Privacy in Control and Dynamical Systems. <i>Annual Review of Control, Robotics, and Autonomous Systems,</i> 2018, 1, 309-332	11.8	12

203	Diffusing Private Data Over Networks. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 1027-1037		12
202	Minimum number of sensors to ensure observability of physiological systems: A case study 2016 ,		12
201	Event-based Green scheduling of radiant systems in buildings 2013 ,		12
200	Hypothesis testing framework for active object detection 2013 ,		12
199	Automatic synthesis of robot controllers for tasks with locative prepositions 2010 ,		12
198	Harnessing bacterial power in microscale actuation 2009 ,		12
197	Sequential composition of robust controller specifications 2012 ,		12
196	UAV and UGV Collaboration for Active Ground Feature Search and Localization 2004 ,		12
195	Hierarchical Synthesis of Hybrid Controllers from Temporal Logic Specifications 2007 , 203-216		12
194	R-Charon, a Modeling Language for Reconfigurable Hybrid Systems. <i>Lecture Notes in Computer Science</i> , 2006 , 392-406	0.9	12
193	Composing Abstractions of Hybrid Systems. <i>Lecture Notes in Computer Science</i> , 2002 , 436-450	0.9	12
192	Structural minimum controllability problem for switched linear continuous-time systems. <i>Automatica</i> , 2017 , 78, 216-222	5.7	11
191	2017 ,		11
190	The mean square error in Kalman filtering sensor selection is approximately supermodular 2017 ,		11
189	2015 ,		11
188	Differentially private filtering 2012 ,		11
187	Distributed Attack-Robust Submodular Maximization for Multi-Robot Planning 2020 ,		11
186	State estimation codes for perfect secrecy 2017 ,		10

185	On the existence of compositional barrier certificates 2012 ,		10
184	Hierarchical Control using Approximate Simulation Relations 2006 ,		10
183	Approximate equivalence and approximate synchronization of metric transition systems 2006 ,		10
182	Decidability of Motion Planning with Differential Constraints. <i>Proceedings - IEEE International Conference on Robotics and Automation</i> , 2007 ,		10
181	Approximate timed abstractions of hybrid automata 2007 ,		10
180	Reach-SDP: Reachability Analysis of Closed-Loop Systems with Neural Network Controllers via Semidefinite Programming 2020 ,		10
179	Is the brain macroscopically linear? A system identification of resting state dynamics		10
178	Optimal temporal logic planning in probabilistic semantic maps 2016 ,		10
177	Encrypted Cooperative Control Revisited 2019 ,		10
176	Finite Sample Analysis of Stochastic System Identification 2019 ,		10
175	Encrypted LQG using labeled homomorphic encryption 2019 ,		9
174	Automatic verification of linear controller software 2015 ,		9
173	2014 ,		9
172	Multi-vehicle path planning in dynamically changing environments 2009 ,		9
171	A Dynamical Systems Approach to Weighted Graph Matching 2006 ,		9
170	Abstractions of Hamiltonian control systems. <i>Automatica</i> , 2003 , 39, 2025-2033	5.7	9
169	Safety Verification and Robustness Analysis of Neural Networks via Quadratic Constraints and Semidefinite Programming. <i>IEEE Transactions on Automatic Control</i> , 2020 , 1-1	5.9	9
168	Models of communication and control for brain networks: distinctions, convergence, and future outlook. <i>Network Neuroscience</i> , 2020 , 4, 1122-1159	5.6	9

167	Multi-agent coordination with asynchronous cloud access 2016 ,		9
166	Cloud-Based Quadratic Optimization With Partially Homomorphic Encryption. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 2357-2364	5.9	9
165	Structural Target Controllability of Undirected Networks 2018 ,		9
164	Semi-decidable Synthesis for Triangular Hybrid Systems. <i>Lecture Notes in Computer Science</i> , 2001 , 487-500		9
163	Hybrid Systems with Finite Bisimulations. <i>Lecture Notes in Computer Science</i> , 1999 , 186-203	0.9	9
162	Distributed resource allocation for control of spreading processes 2015 ,		8
161	Differential privacy for dynamical sensitive data 2017 ,		8
160	Hierarchical data-driven vehicle dispatch and ride-sharing 2017 ,		8
159	Joint Metering and Conflict Resolution in Air Traffic Control. <i>Journal of Guidance, Control, and Dynamics</i> , 2011 , 34, 1507-1518	2.1	8
158	Resource constrained LQR control under fast sampling 2011 ,		8
157	Special Section on Symbolic Methods for Complex Control Systems. <i>IEEE Transactions on Automatic Control</i> , 2006 , 51, 921-923	5.9	8
156	APPROXIMATE SIMULATION RELATIONS FOR HYBRID SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 106-111		8
155	Reachability computation for linear hybrid systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1999 , 32, 2137-2142		8
154	Cyclic directed formations of multi-agent systems 2001 ,		8
153	Resilient Parameter-Invariant Control with Application to Vehicle Cruise Control. <i>Lecture Notes in Control and Information Sciences</i> , 2013 , 197-216	0.5	8
152	Active Deformable Part Models Inference. <i>Lecture Notes in Computer Science</i> , 2014 , 281-296	0.9	8
151	Analysis and Design of ActuationSensingCommunication Interconnection Structures Toward Secured/Resilient LTI Closed-Loop Systems. <i>IEEE Transactions on Control of Network Systems</i> , 2019 , 6, 667-678	4	8
150	Learning in Wireless Control Systems Over Nonstationary Channels. <i>IEEE Transactions on Signal Processing</i> , 2019 , 67, 1123-1137	4.8	8

149	2018,		8
148	Synergies in Feature Localization by Air-Ground Robot Teams. <i>Springer Tracts in Advanced Robotics</i> , 2006 , 352-361	0.5	8
147	Model-based design for seizure control by stimulation. <i>Journal of Neural Engineering</i> , 2020 , 17, 026009	5	7
146	Control-Aware Random Access Communication 2016,		7
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