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On characterizations of the input-to-state stability property

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1265	On preservation of dissipation inequalities under sampling.		1
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1259	On Characterizations of Input-to-State Stability with Respect to Compact Sets. 1995 , 203-208		36
1258	Various results concerning set input-to-state stability.		2
1257	Feedback Stabilization of Nonlinear Systems: Sufficient Conditions and Lyapunov and Input-output Techniques. 1995 , 293-348		44
1256	. <i>IEEE Transactions on Automatic Control</i> , 1995 , 40, 1476-1478	5.9	298
1255	On Finite-Gain Stabilizability of Linear Systems Subject to Input Saturation. 1996 , 34, 1190-1219		138
1254	New characterizations of input-to-state stability. <i>IEEE Transactions on Automatic Control</i> , 1996 , 41, 1283-1294	5.9	527
1253	Singular perturbations and input-to-state stability. <i>IEEE Transactions on Automatic Control</i> , 1996 , 41, 1645-1650	5.9	100
1252	A Smooth Converse Lyapunov Theorem for Robust Stability. 1996 , 34, 124-160		540
1251	Asymptotic regulation of minimum phase nonlinear systems using output feedback. <i>IEEE Transactions on Automatic Control</i> , 1996 , 41, 1402-1412	5.9	102
1250	Semiglobal robust regulation of nonlinear systems. 1996 , 27-53		7
1249	Input-to-State Stability with Respect to Noncompact Sets 1. 1996 , 29, 1954-1959		4

1248	A Converse Lyapunov Theorem with Applications to Iss-Disturbance Attenuation 1. 1996 , 29, 1960-1965		5
1247	A Self-Tuning Robust Nonlinear Controller. 1996 , 29, 5108-5113		
1246	A Lyapunov formulation of the nonlinear small-gain theorem for interconnected ISS systems. 1996 , 32, 1211-1215		412
1245	Modular approach to adaptive nonlinear stabilization. 1996 , 32, 625-629		24
1244	On output feedback stabilization of Euler-Lagrange systems with nondissipative forces. <i>Systems and Control Letters</i> , 1996 , 27, 315-324	2.4	12
1243	Global almost disturbance decoupling with stability for non minimum-phase single-input single-output nonlinear systems. <i>Systems and Control Letters</i> , 1996 , 28, 115-122	2.4	66
1242	Stabilization in spite of matched unmodeled dynamics and an equivalent definition of input-to-state stability. 1996 , 9, 1-33		185
1241	Robust semi-global output tracking for nonlinear singularly perturbed systems. 1996 , 65, 639-666		27
1240	Supervision of families of nonlinear controllers.		4
1239	Global normal forms for MIMO nonlinear systems, with application to stabilization and disturbance attenuation.		6
1238	.		3
1237	Characterization of all nonlinear stabilizing controllers via observer based kernel representations.		3
1236	Inverse optimal design of input-to-state stabilizing nonlinear controllers.		4
1235	Global Robust Disturbance Attenuation for Uncertain Minimum Phase Nonlinear Systems. 1997 , 30, 315-320		
1234	Robust H_{∞} control for a class of cascaded nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , 1997 , 42, 1465-1469	5.9	19
1233	A notion of input to output stability. 1997 ,		20
1232	Robust control of multivariable two-time-scale nonlinear systems. 1997 , 7, 313-328		19
1231	Output-to-state stability and detectability of nonlinear systems. <i>Systems and Control Letters</i> , 1997 , 29, 279-290	2.4	183

1230	Comments on integral variants of ISS. <i>Systems and Control Letters</i> , 1998 , 34, 93-100	2.4	548
1229	Interconnected nonlinear systems, local and global stabilization. <i>Systems and Control Letters</i> , 1998 , 35, 317-323	2.4	9
1228	An invariance principle for differential inclusions with application in adaptive control.		
1227	Inverse optimal design of input-to-state stabilizing nonlinear controllers. <i>IEEE Transactions on Automatic Control</i> , 1998 , 43, 336-350	5.9	184
1226	A new approach to robust control of hybrid systems over infinite time. <i>IEEE Transactions on Automatic Control</i> , 1998 , 43, 1292-1296	5.9	10
1225	A version of a converse Lyapunov theorem for input-output to state stability.		2
1224	Stabilization by output feedback revisited. 1998 , 127-142		1
1223	A state observer for minimum phase nonlinear systems. 1998 ,		
1222	. 1998 ,		6
1221	An Integral Invariance Principle for Differential Inclusions with Applications in Adaptive Control. 1998 , 36, 960-980		75
1220	A remark on integral input to state stability.		2
1219	On output feedback tracking control with disturbance attenuation for Euler-Lagrange systems.		3
1218	Nonlinear stabilization of particular interconnected structures.		
1217	Stability margins in inverse optimal input-to-state stabilization. 1998 ,		3
1216	State-space characterization of Youla parametrization for nonlinear systems based on input-to-state stability.		5
1215	Robust adaptive control of systems with nonlinear unmodeled dynamics.		
1214	Output stabilization of nonlinear systems: linear systems with positive outputs as a case study.		1
1213	Robust Control of Nonlinear Systems with Nonvanishing Nonlinear Parametrization. 1998 , 31, 25-29		

1212	Semiglobal Stabilization in the Presence of Minimum-Phase Dynamic Input Uncertainties. 1998 , 31, 321-326		5
1211	Adaptive Stabilization of Stochastic Nonlinear Systems. 1998 , 31, 473-480		3
1210	Parametrization of Nonlinear State Feedback Controllers via Kernel Representations. 1998 , 31, 7-12		2
1209	A Liapunov-Like Characterization of Bounded Input Bounded State Stability. 1998 , 31, 477-481		
1208	Certainty Equivalence Implies Detectability. 1998 , 31, 633-638		1
1207	A General Theorem on the Semiglobal Stabilization of Uncertain Nonlinear Systems via Measurement Feedback 1. 1998 , 31, 823-828		2
1206	On integral-input-to-state stabilization. 1999 ,		3
1205	A note on the integral-to-integral uniform output to state stability property. 1999 ,		0
1204	New results in decentralized adaptive nonlinear control with output-feedback.		
1203	On averaging and the ISS property.		1
1202	Semiglobal L_2 performance bounds for disturbance attenuation in nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 1535-1545	5.9	16
1201	Decentralized output-feedback control with disturbance attenuation for large-scale nonlinear systems.		0
1200	ISS property for time-varying systems and application to partial-static feedback stabilization and asymptotic tracking. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 2179-2184	5.9	33
1199	Robust stabilization of nonlinear systems with pointwise norm-bounded uncertainties: a control Lyapunov function approach. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 3-17	5.9	25
1198	Certainty equivalence implies detectability. <i>Systems and Control Letters</i> , 1999 , 36, 1-13	2.4	81
1197	The concept of "Exponential input to state stability" for stochastic systems and applications to feedback stabilization. <i>Systems and Control Letters</i> , 1999 , 36, 221-229	2.4	35
1196	Asymptotic stability equals exponential stability, and ISS equals finite energy gain "if you twist your eyes". <i>Systems and Control Letters</i> , 1999 , 38, 127-134	2.4	57
1195	Notions of input to output stability. <i>Systems and Control Letters</i> , 1999 , 38, 235-248	2.4	170

1194	A small gain theorem for locally input to state stable interconnected systems. 1999 , 336, 893-901		11
1193	A robustification tool for adaptive non-linear control. 1999 , 13, 719-732		3
1192	Command governors for constrained nonlinear systems: direct nonlinear vs. linearization-based strategies. 1999 , 9, 677-699		26
1191	On the equivalence between asymptotic and exponential stability, and between ISS and finite H_{∞} gain.		0
1190	A converse Lyapunov theorem for robust exponential stochastic stability. 1999 , 355-374		3
1189	Command governors for constrained nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 816-820	5.9	58
1188	Input-to-state stability (ISS) analysis for dynamic neural networks. 1999 , 46, 1395-1398		225
1187	Robust control of uncertain nonlinear systems via measurement feedback. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 807-812	5.9	52
1186	ISS and integral-ISS disturbance attenuation with bounded controls.		13
1185	A Lyapunov approach to incremental stability.		1
1184	Characterization of all nonlinear stabilizing controllers via observer-based kernel representations. 2000 , 36, 1123-1135		10
1183	Further Equivalences and Semiglobal Versions of Integral Input to State Stability. 2000 , 10, 127-149		53
1182	L2 - Gain and Passivity Techniques in Nonlinear Control. 2000 ,		788
1181	Robust nonlinear integral control by partial-state and output feedback.		2
1180	On the existence of common Lyapunov triples for ISS and iISS switched systems.		2
1179	Analysis and control of polytopic uncertain/nonlinear systems in the presence of bounded disturbance inputs. 2000 ,		9
1178	Passivity properties of neuro-identifier.		
1177	Decentralized adaptive output-feedback tracking for a new class of large-scale nonlinear systems. 2000 ,		

1176	A unified characterization and solution of input-to-state stabilization via state-dependent scaling.		
1175	A Necessary and Sufficient Condition for Bounded-Input Bounded-State Stability of Nonlinear Systems. 2000 , 39, 478-491		9
1174	On input-to-state stability for time varying nonlinear systems.		22
1173	Lyapunov Characterizations of Input to Output Stability. 2000 , 39, 226-249		144
1172	A tool for semi-global stabilization of uncertain non-minimum-phase nonlinear systems via output feedback. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 1817-1827	5.9	119
1171	A characterization of integral input-to-state stability. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 1082-1097	5.9	384
1170	Quantized feedback stabilization of linear systems. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 1279-1289	5.9	937
1169	Decentralized and adaptive nonlinear tracking of large-scale systems via output feedback. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 2122-2128	5.9	158
1168	Input-Output-to-State Stability. 2001 , 39, 1874-1928		120
1167	Some stability properties of dynamic neural networks. 2001 , 48, 256-259		49
1166	Speed control of electrical machines: unknown load torque case. <i>IEEE Transactions on Automatic Control</i> , 2001 , 46, 1979-1983	5.9	6
1165	The ISS philosophy as a unifying framework for stability-like behavior. 2001 , 443-467		40
1164	Some new results on system identification with dynamic neural networks. 2001 , 12, 412-7		85
1163	On the optimal PID performance tuning for robotic manipulators.		
1162	Decentralized nonlinear output-feedback stabilization with disturbance attenuation. <i>IEEE Transactions on Automatic Control</i> , 2001 , 46, 1623-1629	5.9	67
1161	A note on input-to-state stability and averaging of systems with inputs. <i>IEEE Transactions on Automatic Control</i> , 2001 , 46, 1760-1765	5.9	8
1160	Power characterizations of input-to-state stability and integral input-to-state stability. <i>IEEE Transactions on Automatic Control</i> , 2001 , 46, 1298-1303	5.9	8
1159	Performance and H_{∞} optimality of PID trajectory tracking controller for Lagrangian systems. 2001 , 17, 857-869		36

1158	. <i>IEEE Transactions on Automatic Control</i> , 2001 , 46, 1237-1253	5.9	477
1157	New results on the feedback control of Duffing's equation.		
1156	A note on the robustness of input-to-state stability.		4
1155	An Alternative Observer for Zero Deficiency Chemical Networks. 2001 , 34, 537-540		
1154	On Stability and Stabilizability of Nonlinear Inter-Connected Discrete Time Systems. 2001 , 34, 1441-1446		
1153	Immersion and Invariance: A New Tool for Stabilization and Adaptive Control of Nonlinear Systems. 2001 , 34, 91-96		5
1152	Mamdani-type fuzzy controllers are universal fuzzy controllers. 2001 , 123, 359-367		31
1151	On converse Lyapunov theorems for ISS and iISS switched nonlinear systems. <i>Systems and Control Letters</i> , 2001 , 42, 47-53	2.4	83
1150	A converse Lyapunov theorem for, non-uniform in time, global exponential robust stability. <i>Systems and Control Letters</i> , 2001 , 44, 373-384	2.4	7
1149	Global stabilization of a certain class of nonlinear dynamical systems using state detection. 2001 , 14, 913-919		4
1148	Constructive nonlinear control: a historical perspective. 2001 , 37, 637-662		450
1147	Input-to-state stability for discrete-time nonlinear systems. 2001 , 37, 857-869		835
1146	New characterization and solution of input-to-state stabilization: a state-dependent scaling approach. 2001 , 37, 1663-1670		5
1145	Generalizations of asymptotic gain characterizations of ISS to input-to-output stability. 2001 ,		6
1144	Decentralized tracking with disturbance attenuation by nonlinear output feedback. 2001 ,		1
1143	On the optimality and performance of PID controller for robotic manipulators.		2
1142	Robust adaptive critic based neurocontrollers for helicopter with unmodeled uncertainties. 2001 ,		1
1141	Input-to-state stabilization of switched nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , 2001 , 46, 1111-1116	5.9	110

1140	Global robust servomechanism theory for nonlinear systems in lower-triangular form.		2
1139	Characterizations of detectability notions in terms of discontinuous dissipation functions. 2002 , 75, 882-900		4
1138	Advanced feedback control of the chaotic Duffing equation. 2002 , 49, 244-249		39
1137	Input-to-state dynamical stability and its Lyapunov function characterization. <i>IEEE Transactions on Automatic Control</i> , 2002 , 47, 1499-1504	5-9	47
1136	Global stabilization of cascade systems by $C/\sup 0/$ partial-state feedback. <i>IEEE Transactions on Automatic Control</i> , 2002 , 47, 1356-1362	5-9	35
1135	CHEMICAL PROCESS IDENTIFICATION WITH MULTIPLE NEURAL NETWORKS. 2002 , 03, 385-407		5
1134	Robust stabilization of chained systems via hybrid control.		2
1133	$L/\sub 2/-$ gain stabilizability with respect to Filippov solutions.		1
1132	Generalized adaptive output-feedback form with unknown parameters multiplying high output relative-degree states.		24
1131	Global stabilization and convergence of nonlinear systems with uncertain exogenous dynamics.		
1130	Input-to-state stability on formation graphs.		39
1129	Gain preserving Lyapunov functions for perturbed and controlled systems.		
1128	Adaptive control with multiple neural networks. 2002 ,		
1127	On the input-to-state stability (ISS) of a double integrator with saturated linear control laws.		
1126	A perturbation approach to the stabilization of nonlinear cascade systems with time-delay.		3
1125	Output regulation of practically stabilizable systems: some elementary examples.		
1124	Low-bias control of AMB subject to voltage saturation: state-feedback and observer designs.		6
1123	STABILIZATION BY QUANTIZED STATE OR OUTPUT FEEDBACK: A HYBRID CONTROL APPROACH. 2002 , 35, 79-84		2

1122	ON THE ISS PROPERTY FOR RECEDING HORIZON CONTROL OF CONSTRAINED LINEAR SYSTEMS. 2002 , 35, 37-40		3
1121	FORMATION INPUT-TO-STATE STABILITY. 2002 , 35, 371-376		1
1120	STABILITY OF TIME-VARYING DISCRETE-TIME CASCADES. 2002 , 35, 263-268		7
1119	Stability analysis of dynamic multilayer neuro identifier.		
1118	Global output feedback tracking for nonlinear systems in generalized output-feedback canonical form. <i>IEEE Transactions on Automatic Control</i> , 2002 , 47, 814-819	5.9	90
1117	Output tracking control of MIMO fuzzy nonlinear systems using variable structure control approach. 2002 , 10, 686-697		62
1116	A Lyapunov approach to incremental stability properties. <i>IEEE Transactions on Automatic Control</i> , 2002 , 47, 410-421	5.9	419
1115	The effect of feedback and feedforward on formation ISS.		10
1114	A global high-gain based scaling method for the generalized output-feedback canonical form.		4
1113	A Unifying Integral ISS Framework for Stability of Nonlinear Cascades. 2002 , 40, 1888-1904		103
1112	State-estimators for Chemical Reaction Networks of Feinberg-Horn-Jackson Zero Deficiency Type. 2002 , 8, 343-359		39
1111	Open- and Closed-Loop Dissipation Inequalities Under Sampling and Controller Emulation. 2002 , 8, 109-125		135
1110	Global asymptotic stability of nonlinear cascade systems. 2002 , 15, 275-277		16
1109	Input disturbance suppression for a class of feedforward uncertain nonlinear systems. <i>Systems and Control Letters</i> , 2002 , 45, 227-236	2.4	21
1108	On the existence of a continuous storage function for dissipative systems. <i>Systems and Control Letters</i> , 2002 , 46, 85-90	2.4	16
1107	Universal construction of feedback laws achieving ISS and integral-ISS disturbance attenuation. <i>Systems and Control Letters</i> , 2002 , 46, 111-127	2.4	62
1106	Decentralized disturbance attenuating output-feedback trackers for large-scale nonlinear systems. 2002 , 38, 1407-1415		69
1105	Hybrid feedback stabilization of systems with quantized signals. 2003 , 39, 1543-1554		543

1104	A result on the stabilization of nonlinear systems using state detection. 2003 , 16, 741-746		0
1103	Notions of exponential robust stochastic stability, ISS and their Lyapunov characterizations. 2003 , 13, 173-187		30
1102	Disturbance attenuation of a class of non-linear systems via output feedback. 2003 , 13, 1359-1369		28
1101	Adaptive output tracking of inherently nonlinear systems with nonlinear parameterization. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 1737-1749	5.9	67
1100	Adaptive identification of dynamically positioned underwater robotic vehicles. <i>IEEE Transactions on Control Systems Technology</i> , 2003 , 11, 505-515	4.8	80
1099	. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 1526-1544	5.9	119
1098	. 2003 , 11, 783-795		123
1097	Robust adaptive voltage-fed permanent magnet step motor control without current measurements. <i>IEEE Transactions on Control Systems Technology</i> , 2003 , 11, 415-425	4.8	28
1096	Forwarding control of scale model autonomous helicopter: a Lyapunov control design.		8
1095	A Converse Lyapunov Theorem for Nonuniform in Time Global Asymptotic Stability and Its Application to Feedback Stabilization. 2003 , 42, 936-965		42
1094	. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 590-606	5.9	457
1093	Online exact differentiation and notion of asymptotic algebraic observers. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 2055-2060	5.9	46
1092	Nonsmooth adaptive stabilization of cascade systems with nonlinear parameterization via partial-state feedback. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 1809-1816	5.9	46
1091	Stabilization of bilaterally controlled teleoperators with communication delay: An ISS approach. 2003 , 76, 858-870		35
1090	Passivity analysis for dynamic multilayer neuro identifier. 2003 , 50, 173-178		44
1089	Invariant manifolds, asymptotic immersion and the (adaptive) stabilization of nonlinear systems. 2003 , 1-20		3
1088	Adaptive stabilization of nonlinearly parameterized systems by $C/\sup 0/$ partial-state feedback.		
1087	Analysis of input to state stability for discrete time nonlinear systems via dynamic programming.		

1086	A unifying framework for global regulation via nonlinear output feedback.		3
1085	A general formulation and solvability of the global robust output regulation problem.		0
1084	Robust estimation and control using command-to-state mapping.		
1083	Adaptive controller and observer design for a class of nonlinear systems.		
1082	Measurement feedback controllers with constraints and their relation to the solution of Hamilton Jacobi inequalities.		1
1081	On global output feedback stabilization of uncertain nonlinear systems.		1
1080	Output-input stability and feedback stabilization of multivariable nonlinear control systems.		0
1079	Stabilizing a nonlinear system with limited information feedback.		10
1078	Uniform practical asymptotic stability of time-varying parameterized discrete-time cascades.		1
1077	Observer design for nonlinear systems described by differential-algebraic equations. 2003 , 1100-1105		
1076	Global stabilization and convergence of nonlinear systems with uncertain exogenous dynamics. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 1852-1858	5.9	2
1075	Quantitative Aspects of the Input-to-State-Stability Property. 2004 , 215-230		5
1074	Measurement feedback controller design to achieve input to state stability. 2004 ,		
1073	Recent developments in decentralized nonlinear control.		2
1072	GENERAL SYNCHRONIZATION OF GENESIOâ€”ESI SYSTEMS. 2004 , 14, 347-354		22
1071	Convergent dynamics, a tribute to Boris Pavlovich Demidovich. <i>Systems and Control Letters</i> , 2004 , 52, 257-261	2.4	214
1070	Linear output feedback with dynamic high gain for nonlinear systems. <i>Systems and Control Letters</i> , 2004 , 53, 107-116	2.4	246
1069	Outputâ€”input stability implies feedback stabilization. <i>Systems and Control Letters</i> , 2004 , 53, 237-248	2.4	22

1068	Dynamic high-gain scaling: State and output feedback with application to systems with ISS appended dynamics driven by all States. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 2219-2239	5.9	117
1067	Visual servoing with velocity observer and neural compensation.		
1066	A unifying framework for global regulation via nonlinear output feedback: from ISS to iISS. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 549-562	5.9	153
1065	Leader-to-formation stability. 2004 , 20, 443-455		499
1064	A remark on the stability of interconnected nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 120-124	5.9	8
1063	Nonuniform in time input-to-state stability and the small-gain theorem. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 196-216	5.9	39
1062	Dissipativity, stabilization, and regulation of cascade-connected systems. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 635-650	5.9	51
1061	An almost global notion of input-to-State stability. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 866-874	5.9	92
1060	. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 875-887	5.9	31
1059	Observer design for nonlinear systems by using Input-to-State Stability. 2004 ,		20
1058	A combined backstepping and small-gain approach to robust adaptive fuzzy control for strict-feedback nonlinear systems. 2004 , 34, 406-420		271
1057	On stabilization of linear systems with stochastic disturbances and input saturation. 2004 ,		8
1056	Stabilization of a cascade-connected nonlinear system with an input constraint. 2004 , 37, 1207-1212		
1055	PARAMETRIZATION OF SUPPLY RATES FOR ESTABLISHING ISS AND PRESCRIBED DISSIPATIVE PROPERTIES OF NONLINEAR INTERCONNECTED SYSTEMS. 2005 , 38, 366-371		1
1054	GLOBAL ROBUST H _∞ CONTROL FOR NON-MINIMUM-PHASE UNCERTAIN NONLINEAR SYSTEMS WITHOUT STRICT TRIANGULAR STRUCTURE. 2005 , 38, 425-430		
1053	ON INVARIANCE OF NONLINEAR SYSTEMS WITH FUNCTIONAL AND SIGNAL UNCERTAINTIES. 2005 , 38, 85-90		
1052	NONLINEAR CONTINUOUS-TIME REFERENCE GOVERNORS FOR CONSTRAINED NONLINEAR SYSTEMS. 2005 , 38, 940-945		
1051	CONSTRAINED INPUT-TO-STATE STABILITY OF NONLINEAR SYSTEMS. 2005 , 38, 318-323		

1050	INPUT-TO-STATE STABILITY OF SWITCHED NONLINEAR SYSTEMS. 2005 , 38, 324-329	4
1049	OUTPUT TRACKING CONTROL FOR CLASS OF FUZZY TIME-DELAY SYSTEMS. 2005 , 38, 419-424	
1048	ADAPTIVE TRACKING CONTROL OF FUZZY TIME-DELAY SYSTEMS USING VARIABLE STRUCTURE CONTROL APPROACH. 2005 , 38, 342-347	
1047	Output-feedback stabilization of a class of uncertain non-minimum-phase nonlinear systems. 2005 , 41, 1609-1615	56
1046	Analysis of input-to-state stability for discrete time nonlinear systems via dynamic programming. 2005 , 41, 2055-2065	29
1045	-bounded robust control of nonlinear cascade systems. <i>Systems and Control Letters</i> , 2005 , 54, 215-224	2.4 4
1044	Robust state observer and control design using command-to-state mapping. 2005 , 41, 1323-1333	7
1043	Further remarks on strict input-to-state stable Lyapunov functions for time-varying systems. 2005 , 41, 1973-1978	42
1042	Combining exact linearization and model reference techniques for design of adaptive global asymptotic stabilizer and application to adaptive control of induction motor. 2005 ,	
1041	Stabilisation and improvement of performance by extension of universal formula in the presence of disturbance. 2005 , 152, 229-237	
1040	Low cost navigation system for UAV's. 2005 , 9, 504-516	32
1039	Stabilization of Nonlinear Dynamic Systems Using the System State Estimates Made by the Asymptotic Observer. 2005 , 66, 1021-1058	19
1038	Further results on global stabilization of uncertain nonlinear systems by output feedback. 2005 , 15, 247-268	51
1037	Neural network adaptive control for nonlinear uncertain dynamical systems with asymptotic stability guarantees.	4
1036	Adaptive output-feedback for nonlinear systems with no a priori bounds on parameters.	4
1035	Input-to- Output Stabilization of Nonlinear Systems via Backstepping.	2
1034	On Input-to-State Stability of Impulsive Systems.	45
1033	Further constructions of strict Lyapunov functions for time-varying systems.	2

1032	A control scheme for stable force-reflecting teleoperation over IP networks. 2005,		
1031	Explicit solutions to state-dependent scaling problems for interconnected iISS and ISS nonlinear systems.		3
1030	Results on input-to-state stability for hybrid systems.		2
1029	Establishing iISS Property of Interconnected Systems via Parametrization of Supply Rates.		2
1028	Robust Neurocontrollers for Systems with Model Uncertainties: A Helicopter Application. 2005, 28, 516-523		11
1027	ISS of Switched Systems and Applications to Switching Adaptive Control.		11
1026	A set valued characterization of ISDS Lyapunov functions.		
1025	A parametrization of supply rates for small-gain conditions for global stability of interconnected iISS and ISS systems.		1
1024	Performance Limitation and Autotuning of Inverse Optimal PID Controller for Lagrangian Systems. 2005, 127, 240-249		6
1023	Inverse optimal constrained input-to-state stabilization of nonlinear systems.		
1022	Input-to-State Stability of Rate-Controlled Biochemical Networks. 2005, 44, 704-727		19
1021	Adaptive Fuzzy H/sub /spl infin// stabilization for strict-feedback canonical nonlinear systems via backstepping and small-gain approach. 2005, 13, 104-114		140
1020	Low-bias control of AMB subject to voltage saturation: state-feedback and observer designs. <i>IEEE Transactions on Control Systems Technology</i> , 2005, 13, 262-273	4.8	36
1019	A general formulation and solvability of the global robust output regulation problem. <i>IEEE Transactions on Automatic Control</i> , 2005, 50, 448-462	5.9	38
1018	. <i>IEEE Transactions on Automatic Control</i> , 2005, 50, 1681-1697	5.9	19
1017	Neural network adaptive control for nonlinear nonnegative dynamical systems. 2005, 16, 399-413		19
1016	Finite-Time Stabilization of Nonlinear Systems With Parametric and Dynamic Uncertainties. <i>IEEE Transactions on Automatic Control</i> , 2006, 51, 1950-1956	5.9	193
1015	Quantization, time delays, and nonlinear stabilization. <i>IEEE Transactions on Automatic Control</i> , 2006, 51, 1190-1195	5.9	107

1014	. 2006,			1
1013	On an Output Feedback Stabilization Problem for a Class of Nonlinear Systems. 2006,			
1012	A tool for stability analysis of nonlinear large-scale systems by cascading star products. 2006,			1
1011	Semi-global robust stabilization of a class of feedforward systems. 2006,			
1010	Output Tracking Control of PWA Systems. 2006,			4
1009	A Universal Parametrization of Supply Rates for iISS and ISS Systems. 2006,			1
1008	Quantized control via locational optimization. <i>IEEE Transactions on Automatic Control</i> , 2006, 51, 2-13	5.9		55
1007	A control scheme for stable force-reflecting teleoperation over IP networks. 2006, 36, 930-9			59
1006	Regional Input-to-State Stability for Nonlinear Model Predictive Control. <i>IEEE Transactions on Automatic Control</i> , 2006, 51, 1548-1553	5.9		110
1005	Linear Control of Nonlinear Processes: The Regions of Steady-state Attainability. 2006, 45, 7552-7565			10
1004	Nonlinear Observer for Vehicle Velocity Estimation. 2006,			7
1003	Global Robust Stabilization for a Class of Feedforward Systems with Dynamic Uncertainties. 2006,			
1002	SWITCHING ADAPTIVE CONTROL AND SYNCHRONIZATION OF AFFINE NONLINEAR SYSTEM. 2006, 39, 263-268			
1001	Adaptive Output Feedback Control for Stochastic Nonlinear Systems. 2006,			
1000	Control schemes for stable teleoperation with communication delay based on IOS small gain theorem. 2006, 42, 905-915			53
999	Further results on strict Lyapunov functions for rapidly time-varying nonlinear systems. 2006, 42, 1663-1671			18
998	A passivity approach to game-theoretic CDMA power control. 2006, 42, 1837-1847			56
997	Vehicle velocity estimation using nonlinear observers. 2006, 42, 2091-2103			149

996	A separation result for systems with feedback constraints. <i>Systems and Control Letters</i> , 2006 , 55, 369-375.	4	2
995	An invariance kernel representation of ISDS Lyapunov functions. <i>Systems and Control Letters</i> , 2006 , 55, 736-745	2.4	6
994	Extended Casimir Approach to Controlled Hamiltonian Systems. 2006 , 19, 211-218		1
993	Multiple recurrent neural networks for stable adaptive control. 2006 , 70, 430-444		43
992	Output Tracking Control for a Class of Time-Delay Systems using Variable Structure Control Approach. 2006 ,		
991	PD Control of Overhead Crane Systems with Neural Compensation. 2006 , 1110-1115		8
990	Anti-swing control for overhead crane with neural compensation. 2006 ,		7
989	State-Dependent Scaling Problems and Stability of Interconnected iISS and ISS Systems. <i>IEEE Transactions on Automatic Control</i> , 2006 , 51, 1626-1643	5.9	130
988	Nonlinear Small-Gain Condition Covering iISS Systems: Necessity and Sufficiency from a Lyapunov Perspective. 2006 ,		14
987	On strict Lyapunov functions for rapidly time-varying nonlinear systems. 2006 ,		
986	Some stability properties of dynamic neural networks with different time-scales. 2006 ,		3
985	Finite-Time Input-to-State Stability and Related Lyapunov Analysis. 2006 ,		
984	Results on relaxation theorems for hybrid systems. 2006 ,		3
983	A Time-Invariant Dual High-Gain Based Adaptive Output-Feedback Controller for Nonlinear Systems. 2006 ,		4
982	Input-to-State Stability for Nonlinear Model Predictive Control. 2006 ,		7
981	A globally detectable hybrid system admits a smooth OSS-Lyapunov function. 2006 ,		
980	Adaptive tracking of a class of uncertain nonlinear systems subject to unknown dead-zone input nonlinearities: the symmetric and the non-symmetric cases. 2006 ,		2
979	On necessary conditions for stability of interconnected iISS systems. 2006 ,		4

- 978 Stability of Rate-Controlled Zero-Deficiency Networks. **2006**, 6
- 977 Adaptive Fuzzy Indirectly Quality-Control for Free-radical Polymerization Reactor. **2006**,
- 976 Robust finite time control of nonlinear systems with dynamic uncertainty. **2006**,
- 975 Some new stability properties of dynamic neural networks with different time-scales. **2006**, 16, 191-9 5
- 974 . **2007**,
- 973 Asymmetric iISS and ISS Properties Yielding Stability of Interconnected Systems and An Application to A Circadian Model. **2007**, 7
- 972 On the convergence of linear passive complementarity systems. **2007**, 4
- 971 On Input-to-State Stability for Nonlinear Systems with Delayed Feedbacks. **2007**, 5
- 970 Preservation of input-to-state stability under sampling and emulation: multi-rate case. **2007**, 80, 1944-1953 8
- 969 Semiglobal ISpS disturbance attenuation with output tracking via direct adaptive design. **2007**, 18, 1129-48 15
- 968 On interconnections of discontinuous dynamical systems: an input-to-state stability approach. **2007**, 2
- 967 Input-to-State Stability and exponential stability for time-delay systems: further results. **2007**, 6
- 966 Adaptive Robust Stabilization of a Family of Uncertain Nonlinear Systems by Output Feedback: The Non-polynomial Case. **2007**, 11
- 965 A TRAJECTORY BASED APPROACH FOR ROBUST STABILITY PROPERTIES OF INFINITE-DIMENSIONAL SYSTEMS. **2007**, 40, 113-118
- 964 SUB-OPTIMAL OUTPUT TRACKING CONTROL DESIGN FOR UNCERTAIN T-S MODELS. **2007**, 40, 91-96 3
- 963 . **2007**, 12, 361-374 83
- 962 PID state estimator for Lagrangian systems. **2007**, 1, 937-945 3
- 961 A Lyapunov function for interconnected ISS systems derived from dissipation inequalities. **2007**,

960	Observer-based quantized output feedback control of nonlinear systems. 2007 ,	9
959	Stabilization and robustness analysis for a chemostat model with two species and monod growth rates via a Lyapunov approach. 2007 ,	3
958	Anti-swing control with hierarchical fuzzy CMAC compensation for an overhead crane. 2007 ,	7
957	Global tracking sliding mode control for uncertain nonlinear systems based on variable high gain observer. 2007 ,	4
956	Neural network adaptive output feedback control for intensive care unit sedation and intraoperative anesthesia. 2007 , 18, 1049-66	57
955	A systematic method to obtain ultimate bounds for perturbed systems. 2007 , 80, 167-178	122
954	Stabilization of Uncertain Nonlinear Systems via Immersion and Invariance. 2007 , 13, 204-220	7
953	Stability results for systems described by coupled retarded functional differential equations and functional difference equations. 2007 , 40, 286-291	2
952	Input-to-state stability of switched systems and switching adaptive control. 2007 , 43, 639-646	217
951	Robust Takagi-Sugeno fuzzy control of a spark ignition engine. 2007 , 15, 1446-1456	42
950	Integral input-to-state stability of nonlinear control systems with delays. 2007 , 34, 420-427	2
949	Systematic ultimate bound computation for sampled-data systems with quantization. 2007 , 43, 1117-1123	21
948	Connections between stability and asymptotic stability of nonlinear switched systems. 2007 , 1, 501-509	1
947	Passivity Analysis of Dynamic Neural Networks with Different Time-scales. 2007 , 25, 143-155	32
946	A system-theoretic framework for a wide class of systems II: Input-to-output stability. 2007 , 328, 466-486	27
945	Relaxation Results for Hybrid Inclusions. 2008 , 16, 733-757	7
944	Input-to-state stability of switched nonlinear systems. 2008 , 51, 1992-2004	18
943	Output-feedback control of a class of stochastic nonlinear systems with linearly bounded unmeasurable states. 2008 , 18, 665-687	92

942	A degree of flexibility in Lyapunov inequalities for establishing input-to-state stability of interconnected systems. 2008 , 44, 2340-2346		8
941	Further results on input-to-state stability for nonlinear systems with delayed feedbacks. 2008 , 44, 2415-2421	128	
940	Input-to-state stability and interconnections of discontinuous dynamical systems. 2008 , 44, 3079-3086		50
939	Input-output-to-state stability for discrete-time systems. 2008 , 44, 326-336		39
938	Input to State Stability: Basic Concepts and Results. 2008 , 163-220		266
937	Pid Performance Tuning Methods For A Robotic Manipulator Based On Iss. 2008 , 5, 206-216		4
936	ON THE STABILITY AND STABILIZATION OF TIME-VARYING NONLINEAR CONTROL SYSTEMS. 2008 , 7, 244-255		9
935	Neural network adaptive control for a class of nonlinear uncertain dynamical systems with asymptotic stability guarantees. 2008 , 19, 80-9		73
934	A Lyapunov approach to integral input-to-state stability of cascaded systems with external signals. 2008 ,		6
933	. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 2324-2334	5.9	271
932	Input-to-Output Stability for Systems Described by Retarded Functional Differential Equations. 2008 , 14, 539-555		65
931	A notion of stochastic input-to-state stability and its application to stability of cascaded stochastic nonlinear systems. 2008 , 24, 141-156		79
930	Stable Synchronization of Mechanical System Networks. 2008 , 47, 661-683		57
929	Discussion on: "Input-to-Output Stability for Systems Described by Retarded Functional Differential Equations" 2008 , 14, 556-557		
928	Bistable Biological Systems: A Characterization Through Local Compact Input-to-State Stability. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 87-100	5.9	66
927	A Robust Docking Strategy for a Mobile Robot Using Flow Field Divergence. <i>IEEE Transactions on Robotics</i> , 2008 , 24, 832-842	6.5	32
926	Advanced nonlinear control: Input-output and Lyapunov approaches. 2008 ,		
925	Constructive Lyapunov design of dynamic state feedback controllers. 2008 ,		1

924	DSC-backstepping based robust adaptive fuzzy control for a class of strict-feedback nonlinear systems. 2008,	4
923	Arbitrarily small damping allows global output feedback tracking of a class of Euler-Lagrange systems. 2008,	10
922	Finite-time input-to-state stability and optimization of switched systems. 2008,	1
921	Nonlinear systems identification using dynamic multi-time scales neural networks. 2008,	1
920	Non-local stabilization of a spherical inverted pendulum. 2008, 81, 1035-1053	16
919	Input-to-state stability of hybrid switched systems with impulsive effects. 2008,	3
918	Lyapunov function-based stochastic small-gain theorem and its applications. 2008,	
917	Reconfigurable control of PWA systems with actuator and sensor faults: Stability. 2008,	10
916	Adaptive stabilization for a more general class of high-order uncertain nonlinear systems. 2008,	
915	Small-gain conditions and Lyapunov functions applicable equally to iISS and ISS Systems without uniformity assumption. 2008,	
914	Output-feedback control of Lurâ€”-type systems with set-valued nonlinearities: A Popov-criterion approach. 2008,	5
913	Control under Quantization, Saturation and Delay: An LMI Approach. 2008, 41, 3787-3792	2
912	Remarks on ISS and Integral-ISS Stabilization with Positive Controls. 2008, 41, 2454-2459	
911	Bilaterally Flexible Lyapunov Inequalities for Nonlinear Small-Gain Method Covering iISS Systems. 2008, 41, 2460-2465	
910	Observer-based quantized output feedback control of nonlinear systems. 2008, 41, 8039-8043	9
909	Synchronization of two ball and beam systems with neural compensation. 2008, 41, 12781-12786	1
908	Robust Control for Nonlinear Discrete-Time Systems with Quantitative Input to State Stability Requirement. 2008, 41, 14186-14191	1
907	Lyapunov formulation of ISS small-gain in dynamical networks. 2009,	10

906	Stability of networks of hybrid ISS systems. 2009 ,		6
905	. 2009 ,		25
904	Integral input-to-state stability of interconnected iISS systems by means of a lower-dimensional comparison system. 2009 ,		2
903	On a small gain theorem for networks of iISS systems. 2009 ,		12
902	Further results on Lyapunov-Krasovskii functionals via nonlinear small-gain conditions for interconnected retarded iISS systems. 2009 ,		2
901	A vector Small-Gain Theorem for general nonlinear control systems. 2009 ,		14
900	Control scheme for human-robot co-manipulation of uncertain, time-varying loads. 2009 ,		12
899	Robust synchronization of weighted complex dynamical networks. 2009 ,		0
898	Input-to-state stability for a class of hybrid dynamical systems via hybrid time approach. 2009 ,		1
897	Problem 6.10 Smooth Lyapunov characterization of measurement to error stability. 2009 , 239-244		
896	Stable Adaptive Compensation with Fuzzy Cerebellar Model Articulation Controller for Overhead Cranes. 2009 , 67-85		
895	Asymptotic regulation of cascade systems with unknown control directions and nonlinear parameterization. 2009 , 7, 51-56		9
894	Vehicle velocity estimation for real-time dynamic stability control. 2009 , 10, 675-685		17
893	Input-to-output stabilization of nonlinear systems via backstepping. 2009 , 19, 613-633		7
892	Global stability results for systems under sampled-data control. 2009 , 19, 1105-1128		81
891	Stability results for systems described by coupled retarded functional differential equations and functional difference equations. 2009 , 71, 3339-3362		51
890	Characterizations of input-to-state stability for hybrid systems. <i>Systems and Control Letters</i> , 2009 , 58, 47-53	2.4	181
889	Adaptive neural control for a class of switched nonlinear systems. <i>Systems and Control Letters</i> , 2009 , 58, 109-118	2.4	158

888	Input-to-state stability for discrete time-delay systems via the Razumikhin technique. <i>Systems and Control Letters</i> , 2009 , 58, 567-575	2.4	42
887	An approach of partial control design for system control and synchronization. 2009 , 39, 1410-1417		8
886	Control of mechanical motion systems with non-collocation of actuation and friction: A Popov criterion approach for input-to-state stability and set-valued nonlinearities. 2009 , 45, 405-415		80
885	Control under quantization, saturation and delay: An LMI approach. 2009 , 45, 2258-2264		178
884	A note on input-to-state stability and averaging of fast switching systems. 2009 ,		
883	Event-triggered control for multi-agent systems. 2009 ,		119
882	A fault tolerant control framework for periodic switched non-linear systems. 2009 , 82, 117-129		66
881	Construction of Lyapunov-Krasovskii functionals for interconnection of retarded dynamic and static systems via a small-gain condition. 2009 ,		7
880	Min-max Model Predictive Control of Nonlinear Systems: A Unifying Overview on Stability. 2009 , 15, 5-21		122
879	Modeling and motion control of an articulated-frame-steering hydraulic mobile machine. 2009 ,		9
878	Extended backstepping approach for a class of non-linear systems in generalised output feedback canonical form. 2009 , 3, 1023-1032		15
877	Energy absorption capacity; a new concept for stability analysis of nonlinear dynamic systems. 2009 , 11, 40-48		2
876	Necessary and Sufficient Small Gain Conditions for Integral Input-to-State Stable Systems: A Lyapunov Perspective. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 2389-2404	5.9	106
875	Lyapunov-ISS Cyclic-small-gain in Hybrid Dynamical Networks*. 2010 , 43, 813-818		2
874	ISS of interconnected impulsive systems with and without time-delays. 2010 , 43, 831-836		1
873	Stabilization for a class of complex interlaced systems using asymptotical gain. 2010 , 12, 223-230		3
872	Passive learning and input-to-state stability of switched Hopfield neural networks with time-delay. 2010 , 180, 4582-4594		72
871	Synchronization of ball and beam systems with neural compensation. 2010 , 8, 491-496		12

870	Robust chaos synchronization using input-to-state stable control. 2010 , 74, 705-718		5
869	L ₂ -nonlinear system identification via recurrent neural networks. 2010 , 62, 543-552		8
868	Connection between cooperative positive systems and integral input-to-state stability of large-scale systems. 2010 , 46, 1019-1027		45
867	A small-gain condition for iISS of interconnected retarded systems based on Lyapunov-Krasovskii functionals. 2010 , 46, 1646-1656		57
866	Observer based fault-tolerant control for a class of nonlinear networked control systems. 2010 , 347, 940-956		68
865	Uniform stability and ISS of discrete-time impulsive hybrid systems. 2010 , 4, 319-333		27
864	Symbolic models for nonlinear time-delay systems using approximate bisimulations. <i>Systems and Control Letters</i> , 2010 , 59, 365-373	2.4	46
863	Mean-square Exponential Input-to-state Stability of Euler-Maruyama Method Applied to Stochastic Control Systems. 2010 , 36, 406-411		2
862	Converse Lyapunov Theorem of Input-to-State Stability for Time-delay Systems. 2010 , 36, 1131-1136		10
861	. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 321-337	5.9	47
860	Necessary conditions for stability of networks of iISS systems. 2010 ,		4
859	Global tracking for robot manipulators using a simple causal PD controller plus feedforward. 2010 , 28, 23-34		20
858	Parametrization of all stabilizing compensators for absorbable nonlinear systems. 2010 ,		
857	Interpreting the iISS small-gain theorem as transient plus ISS small-gain regulation. 2010 ,		3
856	A robust nonlinear observer for rigid body attitude estimation. 2010 ,		
855	State-feedback control for a class of nonlinear systems with iISS unmodeled dynamics. 2010 ,		
854	Trajectory tracking control for a tele-operation setup with disturbance estimation and compensation. 2010 ,		11
853	State-norm estimators for switched nonlinear systems under average dwell-time. 2010 ,		2

852	. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 304-320	5.9	158
851	Analysis and application of trajectory in discrete-time system. 2010 ,		
850	Phase-locking between Kuramoto oscillators: Robustness to time-varying natural frequencies. 2010 ,		12
849	Exponential input-to-state stability for hybrid dynamical networks via impulsive interconnection. 2010 ,		2
848	Position-Error Based Schemes for Bilateral Teleoperation With Time Delay: Theory and Experiments. 2010 , 132,		18
847	A Lyapunov Approach to Cascade Interconnection of Integral Input-to-State Stable Systems. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 702-708	5.9	66
846	Small Gain Theorems for Large Scale Systems and Construction of ISS Lyapunov Functions. 2010 , 48, 4089-4118		228
845	Finite-Time Input-to-State Stability and Applications to Finite-Time Control Design. 2010 , 48, 4395-4418		138
844	A DSC approach to robust adaptive NN tracking control for strict-feedback nonlinear systems. 2010 , 40, 915-27		376
843	Chaos Synchronization of Nonlinear Bloch Equations Based on Input-to-State Stable Control. 2010 , 53, 308-312		5
842	A symbolic-numeric approach to nonlinear gain analysis of a class of dynamical systems. 2010 ,		0
841	Set tracking of multi-agent systems with variable topologies guided by moving multiple leaders. 2010 ,		6
840	Quantised control of nonlinear systems: analysis of robustness to parameter uncertainty, measurement errors, and exogenous disturbances. 2010 , 83, 2453-2462		11
839	Lyapunov formulation of ISS cyclic-small-gain in discrete-time dynamical networks. 2010 ,		1
838	Delay robustness of CDMA power control in the presence of disturbances using iISS small-gain technique. 2010 ,		4
837	A visual-servoing scheme for semi-autonomous operation of an underwater robotic vehicle using an IMU and a Laser Vision System. 2010 ,		9
836	Optimization based on quasi-Monte Carlo sampling to design state estimators for non-linear systems. 2010 , 59, 963-984		18
835	A small-gain theorem and construction of sum-type Lyapunov functions for networks of iISS systems. 2011 ,		6

834	Connecting several stability criteria for iISS networks and their application to a network computing model. 2011,		2
833	Robust approximate dynamic programming and global stabilization with nonlinear dynamic uncertainties. 2011,		11
832	A unifying Lyapunov-based framework for the event-triggered control of nonlinear systems. 2011,		53
831	Event-triggered and self-triggered stabilization of distributed networked control systems. 2011,		54
830	Informatics in Control, Automation and Robotics. 2011,		
829	The Circle Criterion and Input-to-State Stability. 2011, 31, 32-67		64
828	Design of Variable Structure Control Law for the Nonlinear System with Parameter Perturbation. 2011, 15, 795-799		1
827	Neuroadaptive Output Feedback Control for Automated Anesthesia With Noisy EEG Measurements. <i>IEEE Transactions on Control Systems Technology</i> , 2011, 19, 311-326	4.8	19
826	Small gain design of cooperative teleoperator system with projection-based force reflection. 2011,		
825	Compensation of state-dependent input delay for nonlinear systems. 2011,		7
824	Multi-agent robust consensus-Part I: Convergence analysis. 2011,		13
823	Compensation of time-varying input delay for nonlinear systems. 2011,		11
822	Small gain design of cooperative teleoperator system with projection-based force reflection. 2011,		
821	Inherent robustness of nonlinear discrete-time systems. 2011, 44, 7438-7443		1
820	Discrete-time Robust Inverse Optimal Control for a Class of Nonlinear Systems. 2011, 44, 8595-8600		5
819	A robust explicit nonlinear MPC controller with input-to-state stability guarantees. 2011, 44, 9284-9289		8
818	On a small-gain approach to distributed event-triggered control. 2011, 44, 2401-2406		18
817	Self-triggered observer based control of linear plants*. 2011, 44, 10074-10079		3

816	On the stability in discrete-time discontinuous systems. 2011 , 44, 6431-6436		1
815	Input to state stability and allied system properties. 2011 , 72, 1579-1614		97
814	Conditions under which suboptimal nonlinear MPC is inherently robust. <i>Systems and Control Letters</i> , 2011 , 60, 747-755	2.4	77
813	Nonlinear systems identification using dynamic multi-time scale neural networks. 2011 , 74, 3428-3439		39
812	Lyapunov formulation of ISS cyclic-small-gain in continuous-time dynamical networks. 2011 , 47, 2088-2093		87
811	Robust stability of recurrent neural networks with ISS learning algorithm. 2011 , 65, 413-419		14
810	Towards semi-autonomous operation of under-actuated underwater vehicles: sensor fusion, on-line identification and visual servo control. 2011 , 31, 67-86		17
809	An SOS-QE Approach to Nonlinear Gain Analysis for Polynomial Dynamical Systems. 2011 , 5, 303-314		1
808	Global tracking sliding mode control for a class of nonlinear systems via variable gain observer. 2011 , 21, 177-196		26
807	Stable adaptive compensation with fuzzy CMAC for an overhead crane. 2011 , 181, 4895-4907		88
806	Input-to-state stability of model-based spacecraft formation control systems with communication constraints. 2011 , 68, 1847-1859		6
805	Some new results on stability of Takagi-Sugeno fuzzy Hopfield neural networks. 2011 , 179, 100-111		36
804	Output-to-state stability for hybrid systems. <i>Systems and Control Letters</i> , 2011 , 60, 62-68	2.4	9
803	Stability Analysis and Nonlinear Observer Design Using Takagi-Sugeno Fuzzy Models. 2011 ,		49
802	An asymmetric small-gain technique to construct Lyapunov-Krasovskii functionals for nonlinear time-delay systems with static components. 2011 ,		2
801	On norm-controllability of nonlinear systems. 2011 ,		1
800	Cooperative control based on Force-Reflection with four-channel teleoperation system. 2011 ,		
799	On the transformation of nonlinear dynamical systems into the extended nonlinear observable canonical form. 2011 , 84, 94-106		31

- 798 Supervisory fault tolerant control design for a class of unmanned aerial vehicles. **2011**, 0
- 797 An SOS-QE approach to nonlinear gain analysis. **2011**,
- 796 Adaptive tracking control based on disturbance attenuation and ISS stabilization of Euler-Lagrange nonlinear systems in the presence of uncertainty and input noise. **2011**,
- 795 Stability analysis of autonomously controlled production networks. **2011**, 49, 4857-4877 17
- 794 Decentralized Control of Nonlinear Systems I. **2011**, 11-94
- 793 Input-to-State Stability for Dynamical Neural Networks with Time-Varying Delays. **2012**, 2012, 1-12 3
- 792 Estimating the unmeasured membrane potential of neuronal populations from the EEG using a class of deterministic nonlinear filters. **2012**, 9, 026001 11
- 791 Robust yaw motion controller for improving the stability of a plugin hybrid vehicle. **2012**,
- 790 Uniformly asymptotical stability of nonlinear time delay systems. **2012**,
- 789 Observer based self-triggered control of linear plants with unknown disturbances. **2012**, 10
- 788 Strong iISS: Combination of iISS and ISS with respect to small inputs. **2012**, 5
- 787 Observer based self-triggered control of an acyclic interconnection of linear plants. **2012**, 1
- 786 A cyclic small-gain condition and an equivalent matrix-like criterion for iISS networks. **2012**,
- 785 On dynamical behaviour of two-dimensional biological reactors. *International Journal of Systems Science*, **2012**, 43, 526-534 2.3 16
- 784 A generalization of Input-to-State Stability. **2012**, 3
- 783 Input-to-state stability of recurrent neural networks with time-varying delays and Markovian switching. **2012**,
- 782 Input-to-state stability of a class of discrete time descriptor systems. **2012**,
- 781 Robust control for a class of chaotic and hyperchaotic systems via linear state feedback. **2012**, 85, 025007 10

- 780 Compensation of Time-Varying Input and State Delays for Nonlinear Systems. **2012**, 134, 125
- 779 Plug-in Hybrid Vehicle longitudinal control during gear shifts sequences. **2012**, 45, 326-332
- 778 Decentralized iISS Robustification of Interconnected Time-Delay Systems: A Small-Gain Approach*. **2012**, 45, 219-224 1
- 777 Modeling and Switching Fuzzy Control of the Air Path of a Turbocharged Spark Ignition Engine. **2012**, 45, 138-145 3
- 776 Stochastic Barbalat's Lemma and Its Applications. *IEEE Transactions on Automatic Control*, **2012**, 57, 1537-1543 53
- 775 On input-to-state stability of stochastic nonlinear systems with Markovian jumping parameters. **2012**, 85, 343-349 22
- 774 Cluster synchronization analysis of complex dynamical networks by input-to-state stability. **2012**, 70, 1107-1115 16
- 773 Input/output-to-state stability and state-norm estimators for switched nonlinear systems. **2012**, 48, 2029-2039 129
- 772 Stochastic input-to-state stability of switched stochastic nonlinear systems. **2012**, 48, 2569-2576 93
- 771 Optimization-based state estimation: Current status and some new results. **2012**, 22, 1439-1444 45
- 770 Further Results on Output-feedback Regulation of Nonlinear Systems with iISS Inverse Dynamics. **2012**, 38, 865-870
- 769 Input-to-state stability of nonlinear systems based on an indefinite Lyapunov function. *Systems and Control Letters*, **2012**, 61, 1254-1259 2.4 55
- 768 Advances in observer design for Takagi-Sugeno systems with unmeasurable premise variables. **2012**, 23
- 767 Nonlinear vehicle lateral dynamics estimation with unmeasurable premise variable Takagi-Sugeno approach. **2012**, 6
- 766 Robust H_∞ control for the turbocharged air system using the multiple model approach. **2012**, 1
- 765 Heart rate modeling and robust control during cycling exercise. **2012**, 3
- 764 Input-to-state stability of impulsive hybrid systems with stochastic effects. **2012**,
- 763 New stability analysis technique and backstepping for neutral nonlinear systems. **2012**, 2

762	On stability and dissipativity of stochastic nonlinear systems. 2012,			1
761	Reduction of the small gain condition. 2012,			
760	. 2012,			
759	An iISS formulation for establishing robust stability of dynamical networks with neutral, retarded and communication delay. 2012,			3
758	Interval observers for continuous-time linear systems with discrete-time outputs. 2012,			16
757	Haar wavelet neural networks for nonlinear system identification. 2012,			6
756	Universal fuzzy models and universal fuzzy controllers based on generalized T-S fuzzy models. 2012			2
755	Distributed Event-Triggered Control for Multi-Agent Systems. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 1291-1297	5.9		1289
754	Reduced-order observer-based output feedback regulation for a class of nonlinear systems with iISS inverse dynamics. 2012 , 85, 1942-1951			11
753	Universal fuzzy controllers based on generalized T&S fuzzy models. 2012 , 201, 55-70			43
752	Control of nonlinear delay systems: A tutorial. 2012,			6
751	Connectivity and Set Tracking of Multi-Agent Systems Guided by Multiple Moving Leaders. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 663-676	5.9		78
750	Stability of interconnected impulsive systems with and without time delays, using Lyapunov methods. 2012 , 6, 899-915			95
749	Lyapunov formulation of the ISS cyclic-small-gain theorem for hybrid dynamical networks. 2012 , 6, 988-1001			17
748	Event-triggered average-consensus of multi-agent systems with weighted and direct topology. 2012 , 25, 845-855			62
747	Small gain theorems for large scale systems and construction of ISS Lyapunov functions. 2012,			2
746	. 2012,			71
745	Control of a chain of integrators subject to actuator saturation and disturbances. 2012 , 22, 1562-1570			8

744	Supervisory control of uncertain systems with quantized information. 2012 , 26, 739-756	23
743	Two Types of Haar Wavelet Neural Networks for Nonlinear System Identification. 2012 , 35, 283-300	13
742	Global asymptotic regulation control for nonlinear systems with iISS inverse dynamics. 2012 , 25, 249-261	2
741	Robust integral control for a class of nonlinear systems with unknown control coefficients. 2012 , 10, 359-364	2
740	Necessary conditions for global asymptotic stability of networks of iISS systems. 2012 , 24, 55-74	11
739	Numerical construction of LISS Lyapunov functions under a small-gain condition. 2012 , 24, 3-32	13
738	Nonlinear extended output feedback control for CSTRs with van de Vusse reaction. 2012 , 41, 10-23	11
737	Further results on the disturbance response of a double integrator controlled by a saturating linear static state feedback. 2012 , 48, 430-435	6
736	Capability and limitation of max- and sum-type construction of Lyapunov functions for networks of iISS systems. 2012 , 48, 1197-1204	40
735	Battery cell state-of-charge estimation using linear parameter varying system techniques. 2012 , 198, 338-350	90
734	Lyapunov formulation of the large-scale, ISS cyclic-small-gain theorem: The discrete-time case. <i>Systems and Control Letters</i> , 2012 , 61, 266-272	2.4 17
733	On the global stabilization of TakagiãBugeno fuzzy cascaded systems. 2012 , 67, 2847-2856	7
732	Revisiting the IISS Small-Gain Theorem through Transient Plus ISS Small-Gain Regulation. 2013 , 15, 11-19	8
731	Input-to-state stability for discrete-time nonlinear impulsive systems with delays. 2013 , 23, 400-418	12
730	Input-to-state stability of a class of Lur'e descriptor systems. 2013 , 23, 1324-1337	3
729	On input-to-state stability-based design for leader/follower formation control with measurement delays. 2013 , 23, 1433-1455	5
728	Design of a class of nonlinear consensus protocols for multi-agent systems. 2013 , 23, 1524-1536	7
727	Input-to-state stability of infinite-dimensional control systems. 2013 , 25, 1-35	116

726	Fouling detection in a heat exchanger: A polynomial fuzzy observer approach. 2013 , 21, 1386-1395		19
725	. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 1904-1918	5.9	131
724	Robust stability of singularly perturbed systems with delays. 2013 ,		1
723	Backstepping controller synthesis and characterizations of incremental stability. <i>Systems and Control Letters</i> , 2013 , 62, 949-962	2.4	20
722	Global Asymptotic Regulation via Time-Varying Output Feedback for a Class of Uncertain Nonlinear Systems. 2013 , 51, 4318-4342		46
721	Robust Consensus for Continuous-Time Multiagent Dynamics. 2013 , 51, 3673-3691		81
720	Interaction analysis and geometric interconnection decoupling for networks of process systems. 2013 , 59, 2795-2809		2
719	Exponential input-to-state stability of composite stochastic systems. 2013 , 2013,		2
718	. 2013 , 28, 1470-1482		187
717	A converse Lyapunov theorem for strong global recurrence. 2013 , 49, 2963-2974		24
716	Input-to-state stability of non-linear impulsive and switched delay systems. 2013 , 7, 1179-1185		24
715	Design of time-varying state observers for nonlinear systems by using input-to-state stability. 2013 ,		3
714	Interconnecting a system having a single input-to-state gain with a system having a region-dependent input-to-state gain. 2013 ,		1
713	Switching Control in Vibration Isolation Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2013 , 21, 626-635	4.8	19
712	Nonlinear control under input delays that depend on delayed states. 2013 ,		0
711	Stabilization in the supremum norm of wave PDE/nonlinear ODE cascades. 2013 ,		
710	Multi-objective control design for turbocharged spark ignited air system: A switching Takagi-Sugeno model approach. 2013 ,		4
709	Pre-orders for reasoning about stability properties with respect to input of hybrid systems. 2013 ,		9

708	Robust Stability of Networks of iISS Systems: Construction of Sum-Type Lyapunov Functions. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 1192-1207	5.9	54
707	Lyapunov Technique and Backstepping for Nonlinear Neutral Systems. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 512-517	5.9	13
706	Quantized Nonlinear Control – A Survey. 2013 , 39, 1820-1830		29
705	Mean-Square Exponential Input-to-State Stability of Numerical Solutions for Stochastic Control Systems. 2013 , 39, 1360-1365		2
704	Dissipativity of Pseudorational Behaviors. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 823-833	5.9	
703	On stabilization of switching linear systems. 2013 , 49, 1162-1173		25
702	Robust Input-to-State Stability for Hybrid Systems. 2013 , 51, 1651-1678		26
701	Nonlinear control under delays that depend on delayed states. 2013 , 19, 389-398		21
700	Parsimonious event-triggered distributed control: A Zeno free approach. 2013 , 49, 2116-2124		84
699	On design of robust reliable H^∞ control and input-to-state stabilization of uncertain stochastic systems with state delay. 2013 , 18, 1047-1056		21
698	Stability Analysis and Design for Nonlinear Singular Systems. 2013 ,		9
697	Compensation of State-Dependent Input Delay for Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 275-289	5.9	152
696	Finite-Time Input-to-State Stability and Optimization of Switched Nonlinear Systems. 2013 , 135,		4
695	L1Simplex. 2013 ,		24
694	A robust nonlinear observer for real-time attitude estimation using low-cost MEMS inertial sensors. 2013 , 13, 15138-58		25
693	Nonlinear systems identification and control via dynamic multitime scales neural networks. 2013 , 24, 1814-23		21
692	On Input-to-State Stability with respect to decomposable invariant sets. 2013 ,		16
691	Encyclopedia of Systems and Control. 2013 , 1-14		1

- 690 A two-phase approach to stability of networks given in iISS framework: Utilization of a matrix-like criterion. **2013**,
- 689 Stability analysis of small horizontal-axis wind turbines using Takagi-Sugeno fuzzy models. **2013**, 1
- 688 On minimum inter-event times in event-triggered control. **2013**, 5
- 687 Small-gain conditions for stochastic network systems. **2013**,
- 686 Stability of stochastic differential equations with additive persistent noise. **2013**, 5
- 685 Oil drilling inspired compensation of wave actuator dynamics for nonlinear systems. **2013**, 1
- 684 Robust Adaptive Dynamic Programming. **2013**, 281-302 6
- 683 Input-to-State Stability of Nonlinear Functional Systems* *Plenary lecture at IFAC Joint Conference SSC-TDS-FDA, Grenoble, France, 4-6 February, 2013. The work is supported in part by the Italian MIUR Project PRIN 2009 and by the Center of Excellence for Research DEWS.. **2013**, 46, 528-539
- 682 Input-to-State Stability of Nonlinear Functional Systems * *Plenary lecture at IFAC Joint Conference SSC-TDS-FDA, Grenoble, France, 4-6 February, 2013. The work is supported in part by the Italian MIUR Project PRIN 2009 and by the Center of Excellence for Research DEWS.. **2013**, 46, 528-539 2
- 681 Input-to-State Stability, Integral Input-to-State Stability, and Unbounded Level Sets. **2013**, 46, 38-43 2
- 680 Norm-controllability, or how a nonlinear system responds to large inputs. **2013**, 46, 104-109 2
- 679 Utility of iISS in Composing Lyapunov Functions for Interconnections. **2013**, 46, 723-730 5
- 678 On the Relation between Dwell-Time and Small-Gain Conditions for Interconnected Impulsive Systems. **2013**, 46, 229-234
- 677 Direct and converse Lyapunov theorems for functional difference systems. **2014**, 50, 3054-3066 24
- 676 ISS-Lyapunov functions for output feedback sliding modes. **2014**, 1
- 675 Gain estimates and exponential ISS for a class of hybrid dynamical networks. **2014**,
- 674 Robustness under saturated feedback: Strong iISS for a class of nonlinear systems. **2014**, 2
- 673 Nichtlineare Systeme und Regelungen. **2014**, 12

672	A small-gain approach to event-triggered control of nonlinear systems. 2014,	1
671	Disturbance attenuation by output feedback for a class of uncertain nonlinear systems. 2014,	
670	Nonlinear controller design and stability analysis under power management of autonomous PV systems. 2014,	1
669	Lyapunov-based robust control design for a class of switching non-linear systems subject to input saturation: application to engine control. 2014, 8, 1789-1802	26
668	Input-To-State Stability for a Class of Switched Stochastic Nonlinear Systems by an Improved Average Dwell Time Method. 2014, 2014, 1-8	2
667	Nonlinear analysis of a grid-connected photovoltaic/dc-load system driven by local current-mode controllers. 2014,	3
666	Max- and sum-separable Lyapunov functions for monotone systems and their level sets. 2014,	14
665	Nonlinear control of an actuated tethered airfoil. 2014,	4
664	Distributed Event-Triggered Quantizer in Multi-Agent Systems. 2014, 136,	4
663	Noise-to-state stability for random affine systems with state-dependent switching?. 2014,	2
662	Stability analysis of large-scale networked control systems with local networks. 2014,	8
661	Input-to-state stability for switched systems with unstable subsystems: A hybrid Lyapunov construction. 2014,	16
660	Input-to-state stability of impulsive switched hybrid time-delay systems with delayed impulse effects. 2014,	
659	Robustness of homogeneous and locally homogeneous differential inclusions. 2014,	7
658	Collective control objective and connectivity preservation for multi-robot systems with bounded input. 2014,	2
657	Stability of random affine systems. 2014,	
656	Robust disturbance estimation for human-robotic comanipulation. 2014, 24, 1772-1796	3
655	Input-to-State Stability of Multi-Agent Systems. 2014, 538, 486-489	

654	Quantized nonlinear control-a cyclic-small-gain approach. 2014,		
653	Input-output analysis of distributed parameter systems using convex optimization. 2014,		12
652	Consensus Problems in Multiagent Systems with Event-Triggered Dynamic Quantizers. 2014, 2014, 1-8		3
651	Input-to-state stability of a class of descriptor systems. 2014, 24, 97-109		8
650	Stochastic input-to-state stability and H ∞ filtering for a class of stochastic nonlinear systems. 2014, 227, 672-686		8
649	Decentralized nonlinear control of process networks based on dissipativityâHamiltonâJacobi equation approach. 2014, 24, 172-187		10
648	Inverse identification of inputs of a random utility based model using optimal control. 2014, 46, 1-11		
647	Universal Fuzzy Integral Sliding-Mode Controllers Based on TâFuzzy Models. 2014, 22, 350-362		56
646	Exponential input-to-state stability of recurrent neural networks with multiple time-varying delays. 2014, 8, 47-54		30
645	Input-To-State Practical Stability for Switched Systems with Delayed Feedback. 2014, 39, 1995-2000		
644	Robust exponential input-to-state stability of impulsive systems with an application in micro-grids. <i>Systems and Control Letters,</i> 2014, 65, 64-73	2.4	26
643	Equivalent Characterizations of Input-to-State Stability for Stochastic Discrete-Time Systems. <i>IEEE Transactions on Automatic Control,</i> 2014, 59, 516-522	5.9	31
642	Control: A perspective. 2014, 50, 3-43		175
641	Stability via Hybrid-Event-Time Lyapunov Function and Impulsive Stabilization for Discrete-Time Delayed Switched Systems. 2014, 52, 1338-1365		27
640	Decentralized event-triggered consensus control for second-order multi-agent systems. 2014, 133, 18-24		70
639	Event-triggered robust model predictive control of continuous-time nonlinear systems. 2014, 50, 1507-1513		231
638	. <i>IEEE Transactions on Automatic Control,</i> 2014, 59, 876-891	5.9	181
637	Finite-time-observer design for nonlinear impulsive systems with impact perturbation. 2014, 1-9		3

636	Bounded stabilisation of stochastic port-Hamiltonian systems. 2014 , 87, 1573-1582		11
635	Model predictive control: Recent developments and future promise. 2014 , 50, 2967-2986		977
634	Improved Razumikhin-Type Theorem for Input-To-State Stability of Nonlinear Time-Delay Systems. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 1983-1988	5.9	42
633	ISS-Lyapunov Functions for Discontinuous Discrete-Time Systems. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 3098-3103	5.9	23
632	Global output feedback control of nonlinear systems with uncertain supply rates. 2014 ,		
631	Global Asymptotic Stability Analysis of FAST TCP Using Nonlinear Small Gain Theorem. 2014 , 18, 523-526		1
630	Stochastic robustness of interconnected nonlinear systems in an iISS framework. 2014 ,		7
629	Stabilization of time-varying nonlinear systems with time delays using a trajectory based approach. 2014 ,		1
628	p th Moment Noise-to-State Stability of Stochastic Differential Equations with Persistent Noise. 2014 , 52, 2399-2421		12
627	Multirate Observers for Nonlinear Sampled-Data Systems Using Input-to-State Stability and Discrete-Time Approximation. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 2469-2474	5.9	22
626	Stability analysis of active vibration control of building structures using PD/PID control. 2014 , 81, 208-218		43
625	Network delay predictive compensation based on time-delay modelling as disturbance. 2014 , 1-15		2
624	A new framework for analyzing stability in distributed generation based on the complete nonlinear synchronous machine model. 2014 ,		0
623	Combining iISS and ISS With Respect to Small Inputs: The Strong iISS Property. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 2518-2524	5.9	40
622	Construction of interval observers for continuous-time systems with discrete measurements. 2014 , 50, 2555-2560		44
621	Input-to-state synchronization of complex dynamical network with time-varying delays. 2014 ,		
620	Compensation of Wave Actuator Dynamics for Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 1555-1570	5.9	53
619	Stability Analysis for a Class of Systems: From Model-Based Methods to Data-Driven Methods. 2014 , 61, 6463-6471		12

- 618 Generalization of an input-to-state stability preserving Runge-Kutta method for nonlinear control systems. **2014**, 255, 346-352 1
- 617 Robust Distributed Model Predictive Control of Constrained Continuous-Time Nonlinear Systems: A Robustness Constraint Approach. *IEEE Transactions on Automatic Control*, **2014**, 59, 1673-1678 5.9 148
- 616 Robust adaptive dynamic programming and feedback stabilization of nonlinear systems. **2014**, 25, 882-93 215
- 615 Stability Criteria for Cascaded Nonlinear Stochastic Systems Admitting Not Necessarily Unbounded Decay Rate. **2014**, 47, 8616-8622 3
- 614 Feedback Linearization-Based Control Approach for Air System of a Turbocharged SI Engine: Toward a Fuel-Optimal Strategy. **2014**, 47, 2994-2999
- 613 References. **2014**, 305-320
- 612 Construction of Lyapunov Functionals for Networks of Coupled Delay Differential and Continuous-Time Difference Equations. **2014**, 47, 6800-6805
- 611 Event triggered green control for discrete time dynamical systems. **2015**, 4
- 610 Performance analysis of continuous non-smooth attitude control for spacecraft. **2015**,
- 609 Preservation and interconnection of iISS and ISS dissipation inequalities by scaling. **2015**, 48, 766-771
- 608 Predictor-feedback stabilization of multi-input nonlinear systems. **2015**, 1
- 607 Robust adaptive dynamic programming for a zero-sum differential game. **2015**,
- 606 Nonfragile Robust Filter Design for a Class of Fuzzy Stochastic Systems with Stochastic Input-to-State Stability. **2015**, 2015, 1-10 1
- 605 Lyapunov Characterization for the Stability of Stochastic Control Systems. **2015**, 2015, 1-7 3
- 604 New Trends in Nonlinear Control Systems and Applications. **2015**, 2015, 1-2 1
- 603 Integral ISS for systems with multiple invariant sets. **2015**,
- 602 A note on input-to-state stability of linear and bilinear infinite-dimensional systems. **2015**, 6
- 601 Sum-separable Lyapunov functions for networks of ISS systems: A gain function approach. **2015**, 4

600	Adaptive identification of nonlinear structure uncertain perturbation system via different time scales neural networks. 2015,		
599	A Lyapunov approach to iISS and iNSS for stochastic systems in path-wise probability. 2015,		2
598	Extremum seeking-based indirect adaptive control for nonlinear systems with time-varying uncertainties. 2015,		4
597	Input-to-state stability for discrete-time stochastic nonlinear systems. 2015,		4
596	Interval exponential input-to-state stability for switching impulsive systems with application to hybrid control for micro-grids. 2015,		
595	ISS for nonlinear systems in Takagi-Sugeno's form using quadratic and non-quadratic Lyapunov functions. 2015,		
594	Cascade Nonlinear Control for a Class of Cascade Systems. 2015, 48, 819-826		2
593	Output feedback stabilization for stochastic high-order nonlinear systems with SISS-like inverse dynamic. 2015, 352, 5897-5914		8
592	Scheduled controller design for systems with two switching sensor configurations: A frequency-domain approach. 2015, 48, 99-104		0
591	ISS properties of sliding-mode controllers for systems with matched and unmatched disturbances. 2015,		
590	Dynamic average consensus under limited control authority and privacy requirements. 2015, 25, 1941-1966		83
589	Trajectory Based Approach for the Stability Analysis of Nonlinear Systems with Time Delays. <i>IEEE Transactions on Automatic Control, 2015, 60, 1716-1721</i>	5.9	35
588	A region-dependent gain condition for asymptotic stability. 2015, 52, 309-316		3
587	A Small-Gain Approach to Robust Event-Triggered Control of Nonlinear Systems. <i>IEEE Transactions on Automatic Control, 2015, 60, 2072-2085</i>	5.9	216
586	Norm-Controllability of Nonlinear Systems. <i>IEEE Transactions on Automatic Control, 2015, 60, 1825-1840</i>	5.9	6
585	Stability and input-to-state stability for stochastic systems and applications. 2015, 268, 450-461		8
584	Finite-time stochastic input-to-state stability of switched stochastic nonlinear systems. 2015, 268, 1038-1054		13
583	Sufficient conditions for the stability of a class of second order systems. <i>Systems and Control Letters, 2015, 84, 1-6</i>	2.4	2

582	Input-to-state stable approach to release the conservatism of passivity-based stable haptic interaction. 2015 ,		12
581	Robust Stability of Input-Output Systems with Initial Conditions. 2015 , 53, 1625-1653		5
580	Relaxed conditions for the stability of switched nonlinear triangular systems under arbitrary switching. <i>Systems and Control Letters</i> , 2015 , 84, 52-56	2.4	3
579	. 2015 , 62, 2439-2447		98
578	On input-to-state stability for stochastic coupled control systems on networks. 2015 , 262, 90-101		6
577	Mixed \mathscr{K} \mathscr{L} -Dissipativity and Stabilization to ISS for Impulsive Hybrid Systems. 2015 , 62, 791-795		6
576	Characterizations of Input-to-State Stability for Systems With Multiple Invariant Sets. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 3242-3256	5.9	35
575	Global adaptive stabilisation of high-order uncertain non-linear systems with double control input channels. 2015 , 9, 659-666		9
574	An Asymptotic Ratio Characterization of Input-to-State Stability. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 3401-3404	5.9	6
573	Modular Control Design and Stability Analysis of Isolated PV-Source/Battery-Storage Distributed Generation Systems. 2015 , 5, 372-382		28
572	Reduced-order observer-based stabilization for the Lur'e differential inclusion system. 2015 ,		
571	Stability of stochastic nonlinear systems in cascade with not necessarily unbounded decay rates. 2015 , 62, 51-64		20
570	Computing bisimulation functions using SOS optimization and \exists -decidability over the reals. 2015 ,		6
569	Guaranteed cost control design for delayed teleoperation systems. 2015 , 352, 5085-5105		15
568	Indefinite derivative Lyapunov-Krasovskii functional method for input to state stability of nonlinear systems with time-delay. 2015 , 270, 534-542		19
567	Input-to-state stability analysis of impulsive stochastic neural networks based on average impulsive interval. 2015 ,		2
566	Event-e-ISS for discrete-time impulsive dynamical networks. 2015 ,		1
565	Input-to-State Stability Condition for Passive Fault-Tolerant Control of Wave and Wind Energy Converters. 2015 , 48, 257-262		3

564	Towards a Generic Constructive Nonlinear Control Design Tool Using Relaxed Control. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 3293-3298	5.9
563	Symbolic models for time-varying time-delay systems via alternating approximate bisimulation. 2015 , 25, 2328-2347	17
562	Mean-square exponentially input-to-state stability of stochastic CohenâCrossberg neural networks with time-varying delays. 2015 , 153, 54-61	25
561	A Framework for the Event-Triggered Stabilization of Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 982-996	5.9 399
560	Fault-tolerant control of discrete-time LPV systems using virtual actuators and sensors. 2015 , 25, 707-734	29
559	Active vibration control of building structures using fuzzy proportional-derivative/proportional-integral-derivative control. 2015 , 21, 2340-2359	18
558	Input-to-state stability of impulsive switched hybrid time-delay systems with delayed impulse effects. 2015 , 37, 970-982	14
557	Vibration suppression for mass-spring-damper systems with a tuned mass damper using interconnection and damping assignment passivity-based control. 2016 , 26, 235-251	8
556	A study on the L1 optimal PD controller with application to joint motion control of a robot manipulator. 2016 ,	2
555	Robustness of ISS systems to inputs with limited moving average: Application to spacecraft formations. 2016 , 26, 816-833	1
554	Output feedback sliding-mode control with unmatched disturbances, an ISS approach. 2016 , 26, 4056-4071	4
553	An observer-based adaptive impedance-control for robotic arms: Case study in SMOS robot. 2016 ,	0
552	Adaptive control for force-reflecting dual user teleoperation systems. 2016 ,	2
551	Model-based analysis of droop-controlled distributed generation power systems in stand-alone mode. 2016 ,	1
550	Stability analysis for switched systems with ISS and unstable time-delayed subsystems. 2016 ,	3
549	Maximum tracking errors in PD-controlled robotic manipulators. 2016 ,	
548	Lower-power Lyapunov functions for networks of integral input-to-state stable systems. 2016 ,	1
547	Separability of Lyapunov functions for contractive monotone systems. 2016 ,	6

546	Min-max economic model predictive control approaches with guaranteed performance. 2016,		8
545	On Lyapunov-Krasovskii characterizations of stability notions for discrete-time systems with unknown time-varying time-delays. 2016,		2
544	Stability of systems coupled through noisy mediums. 2016,		4
543	Control with general dissipativity constraint and non-monotonic Lyapunov functions. 2016,		2
542	Allowing Nonlinear Stability Margins in Interconnection of iISS Dissipation Inequalities**The work was supported in part by JSPS KAKENHI Grant Number 26420422.. 2016, 49, 921-926		
541	Global converse Lyapunov theorems for infinite-dimensional systems. 2016, 49, 897-902		3
540	Unknown input estimation via observers for nonlinear systems with measurement delays. 2016,		4
539	Induction machine driven electric vehicles based on fuzzy logic controllers. 2016,		2
538	Control of transport PDE/nonlinear ODE cascades with state-dependent propagation speed. 2016,		1
537	Event-triggered control for nonlinear systems with time-varying input delay. 2016,		3
536	The effect of information, and communication topologies on input-to-state stability of platoon. 2016,		5
535	Unknown-input observer design for motorcycle lateral dynamics: TS approach. 2016, 54, 12-26		11
534	Coordinated path following of multiple underactuated marine surface vehicles along one curve. <i>ISA Transactions,</i> 2016, 64, 258-268	5-5	39
533	Recent results on stochastic hybrid dynamical systems. 2016, 3, 68-103		12
532	New results in global stabilization for stochastic nonlinear systems. 2016, 14, 57-67		3
531	Generalized average dwell time approach to stability and input-to-state stability of hybrid impulsive stochastic differential systems. 2016, 22, 147-160		31
530	Algorithm for local input-to-state stability analysis. 2016, 10, 1556-1564		5
529	Input/output-to-state stability of switched nonlinear systems with an improved average dwell time approach. 2016, 14, 461-468		12

528	Triple-step nonlinear control design for road vehicles after a tire blow-out on the highway. 2016,	2
527	Stability of epidemic models over directed graphs: A positive systems approach. 2016, 74, 126-134	55
526	The ISS approach to the stability and robustness properties of nonautonomous systems with decomposable invariant sets: An overview. 2016, 30, 50-60	4
525	iISS and ISS dissipation inequalities: preservation and interconnection by scaling. 2016, 28, 1	8
524	Dynamic analysis of induction machine driven electric vehicles based on the nonlinear accurate model. 2016,	1
523	Control and stability analysis of inverter-dominated autonomous distributed generation power systems. 2016,	1
522	Input-to-State Stability and H _∞ Performance for Stochastic Control Systems with Piece wise Constant Arguments. 2016, 367-377	
521	Integral input-to-state-K L*-stability for hybrid dynamical systems. 2016,	
520	A backstepping approach for blood glucose control of parker system. 2016,	4
519	. 2016,	1
518	Input-to-state-K L*-stability for a class of hybrid dynamical systems. 2016,	
517	Allowing vanishing stability margins in preservation of (i)ISS dissipation inequalities by scaling. 2016	1
516	Stability analysis via averaging for singularly perturbed nonlinear systems with delays. 2016,	1
515	ESO-based line-of-sight guidance law for straight line path following with exact sideslip compensation. 2016,	2
514	Robust adaptive dynamic programming for a three-player zero-sum differential game with unmatched uncertainties. 2016,	
513	Coordinated target-enclosing of underactuated marine surface vehicles. 2016,	1
512	Output-Feedback Control for Nonlinear Stochastic Systems With Successive Packet Dropouts and Uniform Quantization Effects. 2016, 1-11	20
511	Strong iISS for a class of systems under saturated feedback. 2016, 71, 272-280	8

510	Input-to-State Stability, Integral Input-to-State Stability, and \mathcal{L}_2 -Gain Properties: Qualitative Equivalences and Interconnected Systems. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 3-17	5.9	18
509	Finite-time control of linear systems subject to time-varying disturbances. 2016 , dnv073		0
508	Robust Stability of Moving Horizon Estimation Under Bounded Disturbances. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 3509-3514	5.9	30
507	Weighted Fuzzy Observer-Based Fault Detection Approach for Discrete-Time Nonlinear Systems via Piecewise-Fuzzy Lyapunov Functions. 2016 , 24, 1320-1333		107
506	Local input-to-state stability: Characterizations and counterexamples. <i>Systems and Control Letters</i> , 2016 , 87, 23-28	2.4	47
505	Nonlinear Coordinated Motion Control of Road Vehicles After a Tire Blowout. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 956-970	4.8	29
504	Relaxed ISS Small-Gain Theorems for Discrete-Time Systems. 2016 , 54, 423-449		13
503	Adaptive Nonlinear Systems Identification via Discrete Multi-Time Scales Dynamic Neural Networks. 2016 , 22, 111-123		4
502	Cooperative Dynamic Positioning of Multiple Marine Offshore Vessels: A Modular Design. 2016 , 21, 1210-1221	75	
501	Real-Time Fault Detection Approach for Nonlinear Systems and its Asynchronous T-S Fuzzy Observer-Based Implementation. 2017 , 47, 283-294		77
500	Adaptive second-order sliding mode control with uncertainty compensation. 2016 , 89, 1747-1758		28
499	Computation of local ISS Lyapunov functions for discrete-time systems via linear programming. 2016 , 438, 701-719		1
498	Semiglobal Uniform Asymptotic Stability of an Easy-to-Implement PLL-Like Sensorless Observer for Induction Motors. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 3612-3618	5.9	2
497	Dissipation inequalities for the analysis of a class of PDEs. 2016 , 66, 163-171		31
496	An iISS Framework for Stochastic Robustness of Interconnected Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 1508-1523	5.9	21
495	Local Input to State Stability Based Stability Criterion With Applications to Isolated Power Systems. 2016 , 31, 5094-5105		12
494	Generalized switching signals for input-to-state stability of switched systems. 2016 , 64, 270-277		52
493	Fuzzy PID Control of Building Structures. 2016 , 79-103		

492	Stable PID Active Control of Building Structures. 2016 , 57-78		0
491	Stability analysis and robust control of heart beat rate during treadmill exercise. 2016 , 63, 311-320		10
490	. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 2065-2078	5.9	25
489	Nonlinear Scaling of (i)ISS-Lyapunov Functions. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 1087-1092	5.9	10
488	A Lyapunov-Krasovskii Methodology for a Class of Large-Scale Systems with Neutral-type Delays in an iISS Framework. 2016 , 205-223		
487	Input-to-State Stability of Switched Systems with Time Delays. 2016 , 225-241		
486	Synchronization of Goodwin's Oscillators under Boundedness and Nonnegativeness Constraints for Solutions. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 372-378	5.9	14
485	Computing compositional proofs of Input-to-Output Stability using SOS optimization and Decidability. 2017 , 23, 272-286		4
484	Predictor-Feedback Stabilization of Multi-Input Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 516-531	5.9	41
483	Model-based event-triggered control for linear plant with threshold variable and model states. 2017 , 27, 135-155		10
482	Distributed Containment Maneuvering of Multiple Marine Vessels via Neurodynamics-Based Output Feedback. 2017 , 64, 3831-3839		179
481	On input-to-state stability for stochastic multi-group models with multi-dispersal. 2017 , 96, 2800-2817		1
480	Nonlinear control of a tethered UAV: The taut cable case. 2017 , 78, 174-184		22
479	Adaptive optimal control of unknown nonlinear systems with different time scales. 2017 , 238, 179-190		7
478	Cooperative Output Regulation of Linear Multi-Agent Systems by a Novel Distributed Dynamic Compensator. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 6481-6488	5.9	28
477	Nonlinear output-feedback control of torsional vibrations in drilling systems. 2017 , 27, 3659		18
476	Lyapunov-Krasovskii characterization of the input-to-state stability for neutral systems in Hale's form. <i>Systems and Control Letters</i> , 2017 , 102, 48-56	2.4	15
475	Frequency-domain tools for stability analysis of reset control systems. 2017 , 82, 101-108		28

474	Time- and State-Dependent Input Delay-Compensated Bang-Bang Control of a Screw Extruder for 3D Printing. 2017 , 27, 3727		10
473	On zero-input stability inheritance for time-varying systems with decaying-to-zero input power. <i>Systems and Control Letters</i> , 2017 , 104, 31-37	2.4	2
472	L2-Gain and Passivity Techniques in Nonlinear Control. 2017 ,		100
471	Nonlinear model-predictive control with disturbance rejection property using adaptive neural networks. 2017 , 354, 5201-5220		14
470	Fuzzy logic control of electric vehicles: Design and analysis concepts. 2017 ,		1
469	Proofs. 2017 , 183-189		
468	Robust Adaptive Dynamic Programming. 2017 , 85-111		
467	Stabilization of Takagi&Bugeno models with non-measured premises: Input-to-state stability approach. 2017 , 329, 108-126		6
466	Control of Transport PDE/Nonlinear ODE Cascades With State-Dependent Propagation Speed. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 6278-6293	5.9	20
465	Observers for a non-Lipschitz triangular form. 2017 , 82, 301-313		14
464	Razumikhin method conjoined with graph theory to input-to-state stability of coupled retarded systems on networks. 2017 , 267, 232-240		5
463	Uniform weak attractivity and criteria for practical global asymptotic stability. <i>Systems and Control Letters</i> , 2017 , 105, 92-99	2.4	11
462	The Input-to-State Stable (ISS) Approach for Stabilizing Haptic Interaction With Virtual Environments. <i>IEEE Transactions on Robotics</i> , 2017 , 33, 948-963	6.5	10
461	On Asymptotic Stability of Discrete-Time Linear Time-Varying Systems. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 4274-4281	5.9	33
460	Event-Triggered Control of Nonlinear Systems: A Small-Gain Approach. 2017 , 53-97		
459	Delayed unknown input observers for discrete-time linear systems with guaranteed performance. <i>Systems and Control Letters</i> , 2017 , 103, 9-15	2.4	17
458	ESO-Based Line-of-Sight Guidance Law for Path Following of Underactuated Marine Surface Vehicles With Exact Sideslip Compensation. 2017 , 42, 477-487		130
457	Relationships Between Subclasses of Integral Input-to-State Stability. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 2476-2482	5.9	3

456	Characterizations of Integral Input-to-State Stability for Systems With Multiple Invariant Sets. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 3729-3743	5.9	4
455	Decentralized model predictive control for automatic train operation system. 2017 ,		
454	Stability of homogeneous nonlinear systems with sampled-data inputs. 2017 , 85, 349-355		7
453	Input-to-state stability of integral-based event-triggered control for linear plants. 2017 , 85, 248-255		57
452	Compensation of input delay that depends on delayed input. 2017 , 85, 362-373		11
451	Exponential input-to-state stability under events for hybrid dynamical networks with coupling time-delays. 2017 , 354, 7476-7503		4
450	Robust Adaptive Dynamic Programming for Large-Scale Systems. 2017 , 113-135		
449	Event-triggered control of physically interconnected systems. 2017 ,		
448	Nonlinear modeling, control and stability analysis of a hybrid ac/dc distributed generation system. 2017 ,		0
447	Applying fully stable cascaded sliding mode and PI anti-windup controllers on electric vehicles. 2017 ,		1
446	A suitable to the microgrid analysis approach for nonlinear modeling and control of an inverter interface. 2017 ,		0
445	Compensation of input delay that depends on delayed input. 2017 ,		2
444	. 2017 ,		3
443	Application of input to state stability to reservoir models. 2017 , 10, 451-475		3
442	A Lyapunov theorem certifying global weak reachability for stochastic difference inclusions with random inputs. <i>Systems and Control Letters</i> , 2017 , 109, 37-42	2.4	4
441	Robust event-triggered control of nonlinear system subject to external disturbance. 2017 ,		0
440	Nonlinear control systems - A brief overview of historical and recent advances. 2017 , 6,		31
439	A characterization of integral input-to-state stability for hybrid systems. 2017 , 29, 1		10

- 438 A graph-theoretic approach to global input-to-state stability for coupled control systems. **2017**, 2017, 0
- 437 Event-Triggered Robust RHC of Continuous-Time Nonlinear Systems. **2017**, 163-181
- 436 Global Stability Results for Switched Systems Based on Weak Lyapunov Functions. *IEEE Transactions on Automatic Control*, **2017**, 62, 2764-2777 5.9 16
- 435 Asymptotic Stability of Perturbation-Based Extremum-Seeking Control for Nonlinear Plants. *IEEE Transactions on Automatic Control*, **2017**, 62, 2302-2317 5.9 16
- 434 Robust Distributed RHC of Constrained Nonlinear Systems. **2017**, 89-120
- 433 A Tool for the Global Stabilization of Stochastic Nonlinear Systems. *IEEE Transactions on Automatic Control*, **2017**, 62, 1946-1951 5.9 6
- 432 Semi-Global Output Feedback Stabilization of Non-Minimum Phase Nonlinear Systems. *IEEE Transactions on Automatic Control*, **2017**, 62, 4005-4010 5.9 10
- 431 Uniform Stabilization of Nonlinear Systems With Arbitrary Switchings and Dynamic Uncertainties. *IEEE Transactions on Automatic Control*, **2017**, 62, 2207-2222 5.9 26
- 430 Input-output linearization of SISO nonlinear time-varying delay systems. **2017**, 50, 13300-13305
- 429 Lyapunov Functions to Avoid Squashed Sublevel Sets for Interconnections Containing Non-ISS Components * *The work was supported in part by JSPS KAKENHI Grant Number 26420422.. **2017**, 50, 7427-7432
- 428 Is a point-wise dissipation rate enough to show ISS for time-delay systems?. **2017**, 50, 14356-14361 5
- 427 Input-to-State Stabilizing a General Nonlinear System with Time-Varying Input Delay and Disturbances * *This work is supported by the National Natural Science Foundation of China (No. 61374077, No. U1404610, No. 61473265), and the Natural Science Foundation of Zhejiang Province of China (LY17F020001). **2017**, 50, 7168-7174 1
- 426 Real-time control of a humanoid robot. **2017**, 1
- 425 A new formulation of small-gain theorem without imposing strong iISS with respect to Disturbances on components. **2017**, 1
- 424 Convergence of stochastic processes in the presence of disturbances: IISS/ISS and their cascades. **2017**,
- 423 Input-to-state stability of time-delay systems: Criteria and open problems. **2017**, 5
- 422 Robust estimation of vehicle lateral velocity and yaw rate using switched T-S fuzzy interval observers. **2017**, 5
- 421 Robust event-triggered control of nonlinear systems with partial state feedback. **2017**,

420	Relaxing growth rate assumption for integral input-to-state stability of cascade systems. 2017 ,		0
419	An IOS small-gain theorem for large-scale hybrid systems. 2017 ,		
418	. 2017 ,		75
417	Stability Analysis of DC Distribution Systems with Droop-Based Charge Sharing on Energy Storage Devices. <i>Energies</i> , 2017 , 10, 433	3.1	11
416	Input-to-state stabilisation for a general non-linear system with time-varying input delay. 2017 , 11, 2793-2800		1
415	Adaptive line-of-sight guidance law for synchronized path-following of under-actuated unmanned surface vehicles based on low-frequency learning. 2017 ,		1
414	Input-to-state stability of discrete-time switched systems and switching supervisory control. 2017 ,		2
413	On bounding a nonlinear system with a monotone positive system. 2017 ,		2
412	Extended High-Gain Observers as Disturbance Estimators. 2017 , 10, 125-134		21
411	A small-gain-type improved criterion via preservation of iISS/ISS dissipation inequalities. 2017 ,		3
410	Mathematical Background. 2017 , 189-199		
409	Characterizations of Input-to-State Stability for Infinite-Dimensional Systems. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 1692-1707	5.9	78
408	Cooperative Path Following of Robotic Vehicles Using an Event-Based Control and Communication Strategy. 2018 , 3, 1941-1948		25
407	Robust ADP Design for Continuous-Time Nonlinear Systems With Output Constraints. 2018 , 29, 2127-2138		25
406	Compensation of Transport Actuator Dynamics With Input-Dependent Moving Controlled Boundary. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 3889-3896	5.9	7
405	Input-to-state-KL-stability and criteria for a class of hybrid dynamical systems. 2018 , 326, 124-140		52
404	Input-to-State Stability of Switched Nonlinear Delay Systems Based on a Novel Lyapunov-Krasovskii Functional Method. 2018 , 31, 875-888		9
403	Indefinite Lyapunov functions for input-to-state stability of impulsive systems. 2018 , 436-437, 343-351		22

402	Bidirectional active control of structures with type-2 fuzzy PD and PID. <i>International Journal of Systems Science</i> , 2018 , 49, 766-782	2.3	11
401	A Nonlinear Small-Gain Theorem for Large-Scale Infinite-Dimensional Systems. 2018 , 31, 188-199		11
400	Compensation of actuator dynamics governed by quasilinear hyperbolic PDEs. 2018 , 92, 29-40		20
399	A Robust IDA-PBC Approach for Handling Uncertainties in Underactuated Mechanical Systems. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 3495-3502	5.9	19
398	Inverse optimal design of input-to-state stabilisation for affine nonlinear systems with input delays. <i>International Journal of Systems Science</i> , 2018 , 49, 833-847	2.3	3
397	Gap-metric-based robustness analysis of nonlinear systems with full and partial feedback linearisation. 2018 , 91, 1385-1402		0
396	Performance analysis for bounded persistent disturbances in PD/PID-controlled robotic systems with its experimental demonstrations. 2018 , 91, 688-705		6
395	Scheduled Controller Design for Systems With Varying Sensor Configurations: A Frequency-Domain Approach. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 523-534	4.8	3
394	A method for bidirectional active control of structures. 2018 , 24, 3400-3417		8
393	Input-to-State Stability and Inverse Optimality of Linear Time-Varying-Delay Predictor Feedbacks. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 233-240	5.9	24
392	A Characterization of Integral ISS for Switched and Time-Varying Systems. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 578-585	5.9	9
391	Interval observers for global feedback control of nonlinear systems with robustness with respect to disturbances. 2018 , 39, 68-77		18
390	. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 1603-1617	5.9	19
389	Input-to-State Stability of Discrete-Time Delay Systems with Delayed Impulses. 2018 , 37, 2320-2356		4
388	Robustness of Homogeneous and Homogeneizable Differential Inclusions. 2018 , 39-56		
387	Input-to-state exponents and related ISS for delayed discrete-time systems with application to impulsive effects. 2018 , 28, 640-660		49
386	Simulations and bisimulations for analysis of stability with respect to inputs of hybrid systems. 2018 , 28, 349-374		
385	Performance recovery of regional input-to-state stabilization by sampled-data output feedback control for nonlinear systems in the presence of disturbance. 2018 , 39, 78-94		2

384	A novel projected Fletcher-Reeves conjugate gradient approach for finite-time optimal robust controller of linear constraints optimization problem: Application to bipedal walking robots. 2018 , 39, 130-159		22
383	Nussbaum functionâBased universal cooperative output regulation design for uncertain nonlinear multiagent systems. 2018 , 28, 716-728		4
382	Nonconservative Discrete-Time ISS Small-Gain Conditions for Closed Sets. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 1231-1242	5.9	19
381	A Smooth Construction of ISS Lyapunov Functions for Interconnected Systems. 2018 ,		
380	A Characterization of iISS for Time-Varying Impulsive Systems. 2018 ,		4
379	Input-to-State Stability Mapping for Nonlinear Control Systems Using Quantifier Elimination. 2018 ,		4
378	Improved results of changing supply functions and the applications to nonlinear systems in cascade. 2018 ,		
377	Robust Stability Under Relaxed Persistent Excitation Conditions. 2018 ,		7
376	On Implicit Finite- Time and Fixed- Time ISS Lyapunov Functions. 2018 ,		1
375	Small-Gain Theorems for Nonlinear Discrete-Time Systems with Uncertain Time-Varying Delays. 2018 ,		1
374	Global Stability and Asymptotic Gain Imply Input-to-State Stability for State-Dependent Switched Systems. 2018 ,		2
373	Almost sure stability of the delayed Markovian jump RDNNs. 2018 , 2018,		1
372	An Implicit Function Approach to Lyapunov functions for Interconnections Containing Non-ISS Components. 2018 , 51, 254-259		1
371	Input-to-State Stabilization of Differentially Flat Systems. 2018 , 51, 256-261		2
370	Tracking Control with Robotic Systems for a Moving Target: A Vector Lyapunov Function Approach. 2018 , 51, 471-478		
369	Adaptable iISS Small-Gain Formulation and its Application to Observer-Based Output Feedback Design. 2018 ,		
368	Stochastic Small Signal Stability of a Power System with Uncertainties. <i>Energies</i> , 2018 , 11, 2980	3.1	6
367	Active Control of Chatter in Milling Process Using Intelligent PD/PID Control. 2018 , 6, 72698-72713		17

366	. 2018,		1
365	pth moment exponential input-to-state stability of nonlinear discrete-time impulsive stochastic delay systems. 2018 , 28, 5590-5604		9
364	Characterization of semiglobal stability properties for discrete-time models of non-uniformly sampled nonlinear systems. <i>Systems and Control Letters</i> , 2018 , 122, 60-66	2.4	1
363	Switching control of medical ventilation systems. 2018 ,		2
362	A New Approach of Neurofuzzy-Based Control Design and Analysis Applied on an EV Electromechanical System. 2018 ,		
361	Compensation of Transport Actuator Dynamics with Input-Dependent Moving Controlled Boundary. 2018 ,		
360	Control of Nonlinear Systems with Actuator Dynamics Governed by Quasilinear First-Order Hyperbolic PDEs. 2018 ,		
359	A Hybrid Fuzzy Petri Nets and Neural Networks Framework for Modeling Critical Infrastructure Systems. 2018 ,		2
358	Indefinite Lyapunov Functions for Input-to-State Stability of Impulsive Time-Delay Systems. 2018 ,		2
357	Controller redesign for (nonlinear) systems with input saturation. 2018 ,		
356	Robust-Adaptive Controller Design for Robot Manipulators Using the \mathcal{H}_{∞} Approach. 2018 , 6, 51626-51639		11
355	Small-gain theory for stability and control of dynamical networks: A Survey. <i>Annual Reviews in Control</i> , 2018 , 46, 58-79	10.3	31
354	Bypassing Disturbance Separability in Verifying Integral Input-to-State Stability of Cascade Systems. 2018 ,		
353	A Novel Dynamic IDA-PBC Controller for Electrostatic MEMS Devices. 2018 ,		1
352	Embedded implementation of a nonlinear-observer-based AHRS. 2018 ,		0
351	Active Disturbance Rejection Control for Attitude Stabilization of Multi-rotors UAVs with bounded inputs. 2018 ,		1
350	Robust Active Disturbance Rejection Control via Control Lyapunov Functions: Application to Actuated-Ankleâ€”Foot-Orthosis. 2018 , 80, 49-60		24
349	ESO-based Line-of-Sight Guidance Law for Path Following of Air Cushion Vehicle with Exact Drift Angle Compensation. 2018 ,		

348	On the accuracy of gradient estimation in extremum-seeking control using small perturbations. 2018 , 95, 23-32			3
347	Stabilizing switched nonlinear systems under restricted switching. 2018 ,			4
346	Lyapunov Design for Event-Triggered Exponential Stabilization. 2018 ,			3
345	Lyapunovâ&Krasovskii-type criteria on ISS and iISS for impulsive time-varying delayed systems. 2018 , 12, 1649-1657			6
344	Improved Input-to-State Stability Analysis of Discrete-Time Time-Varying Systems. 2018 , 132-143			
343	Lyapunov characterization of input-to-state stability for semilinear control systems over Banach spaces. <i>Systems and Control Letters</i> , 2018 , 119, 64-70	2.4		14
342	RSimplex. 2018 , 2, 1-26			3
341	The Explicit Reference Governor: A General Framework for the Closed-Form Control of Constrained Nonlinear Systems. 2018 , 38, 89-107			30
340	Lyapunov Conditions for Stability of Stochastic Impulsive Switched Systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2018 , 65, 1994-2004	3.9		16
339	Integral Input-to-State Stability of Cascaded Systems and Observer-Based Feedback Design. 2018 ,			0
338	PD Control with Fuzzy Compensation. 2018 , 109-124			
337	Bibliography. 2018 , 205-212			
336	An IOS Small-Gain Theorem for Large-Scale Hybrid Systems. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 1295-1300	5.9		4
335	Preview. 2019 , 1-16			
334	FPGA Implementation of Passivity-Based Control and Output Load Algebraic Estimation for Transformerless Multilevel Active Rectifier. 2019 , 15, 1877-1889			6
333	. 2019 , 3, 108-113			43
332	Criteria for Input-to-State Practical Stability. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 298-304	5.9		16
331	Verification and synthesis of interconnected embedded control systems under timing contracts. 2019 ,			

330	A general dissipativity constraint for feedback system design, with emphasis on MPC. 2019 , 29, 4775-4796	3
329	An IOS Small-Gain Theorem for Nonlinear Time-Delay Systems. 2019 ,	
328	Exponential input-to-state stability of reaction-diffusion systems. 2019 ,	
327	A novel Spatio-Temporal Fuzzy Inference System (SPATFIS) and its stability analysis. 2019 , 505, 84-99	12
326	Event-triggered input-to-state stabilization of nonlinear systems subject to disturbances and dynamic uncertainties. 2019 , 108, 108488	10
325	Estimation of the domain of attraction for discrete-time linear impulsive control systems with input saturation. 2019 , 362, 124502	0
324	Stability of discontinuous homogeneous nonlinear sampled-data systems. 2019 , 107, 467-473	2
323	Converse theorems in Lyapunov's second method and applications for fractional order systems. 2019 , 43, 1626-1639	10
322	An intuitive modification of max-separable Lyapunov functions to cover non-ISS systems. 2019 , 107, 518-525	2
321	Measurement Feedback Control of Nonlinear Uncertain Systems with Integral-ISS Dynamic Uncertainties. 2019 ,	
320	On robust stability of multistable passive systems. 2019 ,	
319	Practical consensus tracking of multi-agent systems with linear controllers. 2019 ,	1
318	Synchronization in Networks of Identical Nonlinear Systems via Dynamic Dead Zones. 2019 , 3, 667-672	11
317	Infinite-Dimensional Lur'e Systems: Input-To-State Stability and Convergence Properties. 2019 , 57, 334-365	12
316	Lyapunov Conditions for Input-to-State Stability of Hybrid Systems With Memory. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 4307-4313	5.9 2
315	A contractive approach to separable Lyapunov functions for monotone systems. 2019 , 106, 349-357	9
314	A geometrical formulation to unify construction of Lyapunov functions for interconnected iISS systems. <i>Annual Reviews in Control</i> , 2019 , 48, 195-208	10.3 1
313	Eigenvalue Based Approach for Assessment of Global Robustness of Nonlinear Dynamical Systems. 2019 , 11, 569	1

312	Robustness of linear time-varying systems with relaxed excitation. 2019 , 33, 1885-1900		7
311	On Input-to-State Stability of Discrete-Time Switched Nonlinear Time-Varying Systems. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 5214-5221	5.9	11
310	A Brief Tutorial and Survey on Markovian Jump Systems: Stability and Control. 2019 , 5, 37-C3		5
309	Data-Driven Shared Steering Control of Semi-Autonomous Vehicles. 2019 , 49, 350-361		22
308	ISS implies iISS even for switched and time-varying systems (if you are careful enough). 2019 , 104, 154-164		12
307	Pth moment input-to-state stability of stochastic impulsive switched delayed systems. 2019 , 41, 3468-3476		3
306	An offset-free MPC formulation for nonlinear systems using adaptive integral controller. <i>ISA Transactions</i> , 2019 , 91, 66-77	5.5	10
305	On model-based detectors for linear time-invariant stochastic systems under sensor attacks. 2019 , 13, 1051-1061		15
304	Episodic Learning with Control Lyapunov Functions for Uncertain Robotic Systems*. 2019 ,		19
303	Robust integral feedback control based on interval observer for stabilising parameter-varying systems. 2019 , 13, 2455-2464		2
302	A Nonlinear Distributed Control Strategy for a DC MicroGrid using Hybrid Energy Storage for Voltage Stability. 2019 ,		2
301	Converse Lyapunov theorems for infinite-dimensional nonlinear switching systems. 2019 ,		1
300	A Control Lyapunov Perspective on Episodic Learning via Projection to State Stability. 2019 ,		4
299	An Output Feedback Stabilizer for MIMO Nonlinear Systems with Uncertain Input Gain: Nonlinear Nominal Input Gain. 2019 ,		1
298	Universal formula for robust stabilization of affine nonlinear multistable systems. 2019 ,		
297	A Control Lyapunov Function Approach Using Quantifier Elimination. 2019 ,		
296	Control of enzymatic reactions via quadratic immersion. 2019 ,		
295	A Fusion of Max- and Sum-Separable Lyapunov Functions Capable of Addressing iISS in Networks. 2019 ,		

294	On noise-to-state stability of stochastic discrete-time systems via finite-step Lyapunov functions. 2019,		1
293	Small-gain theorems for stability of infinite networks. 2019,		1
292	Robustly stabilizing switching signals for switched systems under restricted switching. 2019,		0
291	Aircraft Post-stall Maneuver Control Using Attitude Feedback Linearization. 2019,		1
290	A characterization of strong iISS for time-varying impulsive systems. 2019,		3
289	A Closed Form Expression of Nonlinear Scalings for Lyapunov Functions of ISS Networks. 2019, 52, 544-549		0
288	Smooth Approximation of Patchy Lyapunov Functions for Switched Systems. 2019, 52, 364-369		2
287	Hybrid Integrator-Gain System for Active Vibration Isolation with Improved Transient Response. 2019, 52, 454-459		2
286	An Approach to Interval Observers for Takagi-Sugeno Systems with Attractiveness Guarantees. 2019,		2
285	Converse Lyapunov Theorems for Discrete-Time Switching Systems With Given Switches Digraphs. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 2502-2508	5.9	7
284	A Small-Gain Theorem in the Absence of Strong iISS. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 3897-3904	5.9	3
283	Perturbation Theory and Singular Perturbations for Input-to-State Multistable Systems on Manifolds. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 3555-3570	5.9	7
282	Stabilization of systems with switchings on the axis of their coordinates and its input-to-state properties. 2019, 32, 10-18		2
281	Unknown input observer for LPV systems. 2019, 100, 67-74		20
280	A Left Eigenvector Producing a Smooth Lyapunov Function of ISS Networks. 2019, 247-268		
279	Input-to-state stability for stochastic multi-group models with multi-dispersal and time-varying delay. 2019, 343, 114-127		29
278	On event-triggered control for integral input-to-state stable systems. <i>Systems and Control Letters</i> , 2019, 123, 24-32	2.4	9
277	Nonlinear Adaptive Model Predictive Control of Constrained Systems with Offset-Free Tracking Behavior. 2019, 21, 2232-2244		7

276	Practical uniform input-to-state stability of perturbed triangular systems. 2019 , 36, 1059-1071		
275	On the Local Input-Output Stability of Event-Triggered Control Systems. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 174-189	5.9	19
274	Variable-Gain Control for Respiratory Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2020 , 28, 163-171	4.8	10
273	Addressing Control Implementation Issues in Robotic Systems Using Adaptive Control. 2020 , 38, 171-184		3
272	Stability and convergence properties of forced infinite-dimensional discrete-time Lur'e systems. 2020 , 93, 3026-3049		5
271	Robust Adaptive Control Scheme for Teleoperation Systems With Delay and Uncertainties. 2020 , 50, 3243-3253		29
270	Input-to-State Stabilization of Interval Type-2 Fuzzy Systems Subject to Cyberattacks: An Observer-Based Adaptive Sliding Mode Approach. 2020 , 28, 190-203		64
269	Robust decentralised navigation of multi-agent systems with collision avoidance and connectivity maintenance using model predictive controllers. 2020 , 93, 1470-1484		13
268	A Complete Characterization of Integral Input-to-State Stability and Its Small-Gain Theorem for Stochastic Systems. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 3039-3052	5.9	6
267	Dynamic backstepping control for pure-feedback non-linear systems. 2020 , 37, 674-697		3
266	Discrete-Time Systems With Constrained Time Delays and Delay-Dependent Lyapunov Functions. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 1724-1730	5.9	12
265	Adaptive Threshold Generation for Vehicle Fault Detection Using Switched T&S Interval Observers. 2020 , 67, 5030-5040		9
264	Fixed-time estimation of parameters for non-persistent excitation. 2020 , 55, 24-32		8
263	A Distributed Framework for k -hop Control Strategies in Large-Scale Networks Based on Local Interactions. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 1825-1840	5.9	1
262	Event-triggered stabilization of nonlinear systems with time-varying sensing and actuation delay. 2020 , 113, 108754		16
261	Interval observer of minimal error dynamics. 2020 , 113, 108794		4
260	A sliding mode controller for a model of flow separation in boundary layers. 2020 , 30, 1181-1202		1
259	Measurement feedback control of nonlinear systems: a small-gain approach. 2020 , 7, 64-89		

258	Noncoercive Lyapunov Functions for Input-to-State Stability of Infinite-Dimensional Systems. 2020 , 58, 2952-2978		10
257	Finite-time and fixed-time input-to-state stability: Explicit and implicit approaches. <i>Systems and Control Letters</i> , 2020 , 144, 104775	2.4	5
256	A system-theoretic framework for privacy preservation in continuous-time multiagent dynamics. 2020 , 122, 109253		8
255	Robust Feedback Linearization Approach for Fuel-Optimal Oriented Control of Turbocharged Spark-Ignition Engines. 2020 ,		
254	Input-to-state stability for hybrid delayed systems with admissible edge-dependent switching signals. 2020 , 357, 8823-8850		19
253	Input-to-State Stability of Infinite-Dimensional Systems: Recent Results and Open Questions. 2020 , 62, 529-614		59
252	Dynamic Event-Triggered Control for Nonlinear Systems: A Small-Gain Approach. 2020 , 33, 930-943		14
251	. 2020 , 1-10		
250	On robustness of finite-time stability of homogeneous affine nonlinear systems and cascade interconnections. 2020 , 1-11		2
249	State Observation for Lipschitz Nonlinear Dynamical Systems Based on Lyapunov Functions and Functionals. 2020 , 8, 1424		2
248	On Robust Model-Free Reduced-Dimensional Reinforcement Learning Control for Singularly Perturbed Systems. 2020 ,		0
247	Learning-Based Adaptive Optimal Control for Connected Vehicles in Mixed Traffic: Robustness to Driver Reaction Time. 2020 , PP,		1
246	Interpreting models of infectious diseases in terms of integral input-to-state stability. 2020 , 32, 611-631		5
245	Determining input-to-state and incremental input-to-state stability of nonpolynomial systems. 2020 , 30, 4676-4689		4
244	Necessary and Sufficient Conditions for Internal Stability of Linear Formations. 2020 , 101, 71-75		
243	Converging-Input Convergent-State and Related Properties of Time-Varying Impulsive Systems. 2020 , 4, 680-685		2
242	Quantification of Tolerable Parametric and Dynamic Uncertainty for Robust MRAC Systems. 2020 ,		1
241	A note on applications of a trajectory-based small-gain theorem to decentralized stabilization of switching networks with generalized dead zones. 2020 , 357, 7796-7817		1

240	Fault Estimation and Accommodation of Fractional-Order Nonlinear, Switched, and Interconnected Systems. 2020 , PP,		6
239	Data-driven robust stabilization with robust domain of attraction estimate for nonlinear discrete-time systems. 2020 , 119, 109031		1
238	Robust fuzzy model predictive control for energy management systems in fuel cell vehicles. 2020 , 98, 104364		30
237	Analyzing Controllability of Bilinear Systems on Symmetric Groups: Mapping Lie Brackets to Permutations. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 4895-4901	5.9	3
236	A Daiâ€¦uan conjugate gradient algorithm of linear equation constrained optimization approach for optimal robust controller of bipedal robots. 2020 , 17, 172988141989017		
235	Hybrid Integrator-Gain Systems: A Remedy for Overshoot Limitations in Linear Control?. 2020 , 4, 1042-1047		9
234	Nonsmooth Lyapunov Analysis in Finite and Infinite Dimensions. 2020 ,		4
233	Input-to-State Stability of Variable Impedance Control for Robotic Manipulator. 2020 , 10, 1271		2
232	Semiglobal asymptotic stabilization of nonlinear systems with triangular zero dynamics by linear feedback. 2020 , 115, 108870		1
231	Path following control in 3D using a vector field. 2020 , 117, 108957		7
230	On Hamilton-Jacobi Approaches to State Reconstruction for Dynamic Systems. 2020 , 2020, 1-13		2
229	On robustness against disturbances of passive systems with multiple invariant sets. 2020 , 1-13		
228	Event-Triggered Stabilization of a Class of Nonlinear Time-Delay Systems. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 421-428	5.9	13
227	Event-Based Impulsive Control of IT2 Tâ€¦ Fuzzy Interconnected System Under Deception Attacks. 2021 , 29, 1615-1628		7
226	Practical Stochastic Uniform Input-to-State Stability of Perturbed Triangular Systems. 2021 , 27, 207-220		
225	Observer-Based Controllers for Incrementally Quadratic Nonlinear Systems With Disturbances. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 1129-1143	5.9	2
224	Output Synchronization of Heterogeneous Networked Linear MIMO Systems: γ -Stabilization and H_∞ Control. 2021 , 8, 147-157		0
223	PDE-Based Dynamic Density Estimation for Large-Scale Agent Systems. 2021 , 5, 541-546		3

222	Robustness of sampled-data homogeneous systems. 2021 , 123, 109345		0
221	Stochastic Incremental Input-to-State Stability of Nonlinear Switched Systems with Brownian Motions. 2021 , 40, 2242-2266		
220	Dynamic Event-Triggered State Estimation for Continuous-Time Polynomial Nonlinear Systems With External Disturbances. 2021 , 17, 3962-3970		14
219	Stabilizing vehicular platoons mixed with regular human-piloted vehicles: an input-to-state string stability approach. 2021 , 9, 569-594		1
218	Input-to-State Stability and Stabilization of Sampled-Data Systems Under Aperiodic Sampling and Random Sampling. 2021 , 9, 47657-47667		0
217	Fault-tolerant Quantized Sliding Mode Observers Design for a Class of Takagi-Sugeno Fuzzy System with Unmeasurable Premise Variable. 2021 , 1-1		5
216	Encyclopedia of Systems and Control. 2021 , 1021-1030		
215	. 2021 , 1-14		15
214	Nonlinear Stability for Marine Vehicles. 2021 , 267-313		
213	Lyapunov--Krasovskii Characterization of the Input-to-State Stability for Switching Retarded Systems. 2021 , 59, 2997-3016		0
212	Adaptive Intelligent Controller Design-Based ISS Modular Approach for Uncertain Nonlinear Systems with Time-Varying Full State Constraints. 2021 , 1-1		2
211	Plug and play control for islanded microgeneration systems. 2021 , 123-172		
210	Design of time-varying input-to-state stability tracking control Lyapunov functions for disturbance attenuation. 2021 , 14, 157-168		
209	Estimation of Toolface for Dynamic Point-the-bit Rotary Steerable Systems via Nonlinear Polynomial Filtering. 2021 , 1-1		4
208	Transporting Robotic Swarms via Mean-Field Feedback Control. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	5
207	Conditions of self-oscillations in generalized Persidskii systems. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	
206	Robust Safety-Critical Control for Dynamic Robotics. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	8
205	Input-to-state stability and Lyapunov functions with explicit domains for SIR model of infectious diseases. 2021 , 26, 5171		6

204	Robust coalitional model predictive control with predicted topology transitions. 2021 , 1-1		0
203	Lyapunov characterization of uniform exponential stability for nonlinear infinite-dimensional systems. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	1
202	Integral Input-to-State Stability of Traffic Flow with Variable Speed Limit. 2021 , 54, 31-36		1
201	Formation Tracking of Nonholonomic Systems on the Special Euclidean Group under Fixed and Switching Topologies: An Affine Formation Strategy. 2021 , 59, 2850-2874		
200	Nonlinear Detectability and Incremental Input/Output-to-State Stability. 2021 , 59, 3017-3039		3
199	Graph-Theoretic Stability Conditions for Metzler Matrices and Monotone Systems. 2021 , 59, 3447-3471		1
198	Homogeneous Lyapunov functions for homogeneous infinite dimensional systems with unbounded nonlinear operators. <i>Systems and Control Letters</i> , 2021 , 148, 104854	2.4	
197	MIL-Standards Verification of Battery Control for More Electric Aircraft Application. 2021 , 1828, 012057		1
196	Funnel control of nonlinear systems. 2021 , 33, 151-194		6
195	Stability study and robustness analysis of an exoskeleton-upper limb system. 2021 ,		1
194	A Strict Smooth Lyapunov Function and Input-to-State Stability of SIR Model. 2021 ,		4
193	Distributed Density Filtering for Large-Scale Systems Using Mean-Filed Models. 2021 ,		2
192	Input-to-state stability of hybrid stochastic systems with unbounded delays and impulsive effects. 2021 , 104, 3753		1
191	Field Estimation using Robotic Swarms through Bayesian Regression and Mean-Field Feedback. 2021 ,		
190	Towards implementation of PDE control for Stefan system: Input-to-state stability and sampled-data design. 2021 , 127, 109538		1
189	Regional input-to-state stabilization of fuzzy state-delayed discrete-time systems with saturating actuators. 2021 , 557, 250-267		1
188	Bounded Attitude Control with Active Disturbance Rejection Capabilities for Multirotor UAVs. 2021 , 11, 5960		1
187	Self-balancing based on Active Disturbance Rejection Controller for the Two-In-Wheeled Electric Vehicle, Experimental results. 2021 , 76, 102552		3

186	Industrial, large-scale model predictive control with structured neural networks. 2021 , 150, 107291	4
185	A new Zeno-free event-triggered scheme for robust distributed optimal coordination. 2021 , 129, 109639	5
184	Input-to-State Stability of homogeneous infinite dimensional systems with locally Lipschitz nonlinearities. 2021 , 129, 109615	1
183	Input-to-State Stability and Stabilization of Nonlinear Impulsive Positive Systems. 2021 , 9, 1663	1
182	Cascaded Design for Robust Path Following Control of an Underactuated Surface Vehicle. 2021 ,	0
181	Input-to-state stability of the nonlinear singular systems via small-gain theorem. 2021 , 402, 126171	2
180	Estimate of the domain of attraction for interconnected systems. 2021 , 99, 105823	1
179	Nonlinear small-gain theorems for input-to-state stability of infinite interconnections. 2021 , 33, 573	5
178	Large-Signal Stability Improvement of DC-DC Converters in DC Microgrid. 2021 , 36, 2534-2544	12
177	New Input-to-State Stability Condition for Continuous-Time Switched Nonlinear Systems. 1	
176	Adaptive Droop-Based Hierarchical Optimal Voltage Control Scheme for VSC-HVdc Connected Offshore Wind Farm. 2021 , 17, 8165-8176	10
175	Time-Varying Optimization of LTI Systems via Projected Primal-Dual Gradient Flows. 2021 , 1-1	2
174	Synchronization of Complex Dynamical Networks Subject to DoS Attacks: An Improved Coding-Decoding Protocol. 2021 , PP,	3
173	Robust nonlinear observer design based on impulsive dissipativity. 2021 , 54, 279-284	0
172	Non-Pathological ISS-Lyapunov Functions for Interconnected Differential Inclusions. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9 0
171	Small Gain Theorems for General Networks of Heterogeneous Infinite-Dimensional Systems. 2021 , 59, 1393-1419	4
170	Input-to-state stability of the nonlinear fuzzy systems via small-gain theorem and decentralized sliding mode control. 2021 , 1-1	5
169	Nonlinear Stabilization by Hybrid Quantized Feedback. 2000 , 243-257	16

168	Stable Anti-Swing Control for an Overhead Crane with Velocity Estimation and Fuzzy Compensation. 2008 , 223-240	1
167	Activation of Nonlinear Feedback Concepts. 2000 , 379-389	2
166	Stabilization of Nonlinear Systems Using Output Feedback. 1999 , 111-133	1
165	Input-to-State Stability of Discontinuous Dynamical Systems with an Observer-Based Control Application. 2007 , 259-272	6
164	Adaptive Control of Nonlinear Systems with Unknown Parameters by Output Feedback: A Non-Identifier-Based Method. 2008 , 445-463	2
163	Control Theory for Automation: Fundamentals. 2009 , 147-172	2
162	Optimal Controller Gain Tuning for Robust Stability of Spacecraft Formation. 2011 , 335-347	1
161	Stability and stabilization: discontinuities and the effect of disturbances. 1999 , 551-598	52
160	Observer-Based Robust Control of a Continuous Bioreactor with Heterogeneous Community. 2020 , 53, 11800-11805	0
159	Self-triggered fault estimation and fault tolerant control for networked control systems. 2018 , 272, 629-637	22
158	Strong Integral Input-to-State Stability of Nonlinear Networks through Balancing Kinetics. 2020 ,	1
157	Asymptotically Stabilizing Multi-Stage Model Predictive Control. 2020 ,	2
156	Robustness Contracts for Scalable Verification of Neural Network-Enabled Cyber-Physical Systems. 2020 ,	2
155	3 Fractional Descriptions. 2018 , 493-512	1
154	Structural system simulation and control via NN based fuzzy model. 2015 , 56, 385-407	2
153	Lösung regelungstechnischer Problemstellungen mittels Quantorenelimination. 2019 , 67, 714-726	7
152	Rastreamento global via controle por modos deslizantes e observador com ganho dinâmico. 2011 , 22, 308-324	1
151	Robust Finite-time stability of homogeneous systems with respect to multiplicative disturbances. 2019 ,	3

150	Studying State Convergence of Input-to-State Stable Systems with Applications to Power System Analysis. <i>Energies</i> , 2020 , 13, 92	3.1	6
149	Mean-square Exponential Input-to-state Euler-Maruyama Method Applied to Stochastic Control Systems. 2010 , 36, 406-411		2
148	State-feedback Regulation of Nonlinear Systems with iISS Unmodeled Dynamics. 2010 , 36, 1033-1036		2
147	Converse Lyapunov Theorem of Input-to-State Stability for Time-delay Systems. 2010 , 36, 1131-1136		8
146	Output-feedback Regulation of Nonlinear Systems with iISS Inverse Dynamics. 2012 , 38, 865-869		1
145	Mean-Square Exponential Input-to-State Stability of Numerical Solutions for Stochastic Control Systems. 2014 , 39, 1360-1365		1
144	Review on computational methods for Lyapunov functions. 2015 , 20, 2291-2331		75
143	Classical converse theorems in Lyapunov's second method. 2015 , 20, 2333-2360		37
142	Computation of local ISS Lyapunov functions with low gains via linear programming. 2015 , 20, 2477-2495		6
141	Separable Lyapunov functions for monotone systems: Constructions and limitations. 2015 , 20, 2497-2526		41
140	Characterizations of integral input-to-state stability for bilinear systems in infinite dimensions. 2016 , 6, 447-466		36
139	Sum of Squares Based Input-to-State Stability Analysis of Polynomial Nonlinear Systems. 2012 , 5, 218-225		4
138	Stability Gain Design Method Based on L2 Norms for Differentially Flat Systems. 2020 , 56, 259-268		1
137	p th input-to-state stability of stochastic bidirectional associative memory neural networks with infinite delays. 2021 ,		
136	A Lyapunov Krasovskii Functional for Input-to-State Stability of Infinite-Delayed Systems. 2021 ,		
135	Distributed Formation Control of Multi-Agent via Abstraction. 2021 ,		
134	An Associatively Recursive Dynamic Backstepping Control Design for Pure-Feedback Nonlinear Systems. 2021 ,		
133	iISS small-gain criteria for infinite networks with linear gain functions. <i>Systems and Control Letters</i> , 2021 , 157, 105051	2.4	3

- 132 A Predictive Command Governor for Nonlinear Systems under Constraints. **2000**, 115-128 o
- 131 Passivity Analysis of Dynamic Neural Networks with Different Time-Scales. **2006**, 86-92
- 130 PD CONTROL OF ROBOT WITH VELOCITY ESTIMATION AND UNCERTAINTIES COMPENSATION. **2006**, 21, 7
- 129 Open Problems. **2011**, 381-384
- 128 External Stability: Notions and Characterizations. **2011**, 143-202
- 127 Decentralized Control of Nonlinear Systems II. **2011**, 95-181
- 126 Interpolating ControlâRobust State Feedback Case. **2014**, 115-158
- 125 Advances in P.E.M. Fuel Cell Stack Observer Design Using a TakagiâBugeno Approach with Unmeasurable Premise Variables. **2014**, 117-130
- 124 Adaptive nonlinear control. **1999**, 119-158
- 123 Preliminaries. **2012**, 5-50
- 122 Preliminaries on Dynamical Systems and Stability Theory. **2016**, 37-90
- 121 State Estimation for Autonomous Surface Vehicles Based on Echo State Networks. **2017**, 127-134
- 120 Analysis Under Nested Criteria. **2017**, 37-69
- 119 Mathematical Background. **2018**, 5-58
- 118 Lyapunov-Based Predictive Control Methodologies for Networked Control Systems. **2018**, 81-111
- 117 Bozucu Torklar Altâda âddînsel Doñu Akñ Motoru Kontrolü **2018**, 2018, o
- 116 Safe Reconfigurability of a Class of Nonlinear Interconnected Systems. **2019**,
- 115 Non-smooth guidance law with terminal angular constraints for missiles against surface targets. **2019**,

- 114 Information-Theoretic Privacy Through Chaos Synchronization and Optimal Additive Noise. **2020**, 103-129 2
- 113 Encyclopedia of Systems and Control. **2020**, 1-9 1
- 112 Lyapunov functions for input-to-state stability of infinite-dimensional systems with integrable inputs. **2020**, 53, 5336-5341 2
- 111 Planar Affine Formation Stabilization via Parameter Estimations. **2020**, PP, 0
- 110 On Interval Observer Design for Continuous-Time LPV Switched Systems. **2020**, 24, 539-555 2
- 109 Active vibration isolation performance of the bistable nonlinear electromagnetic actuator with the elastic boundary. **2021**, 520, 116588 6
- 108 Predictor control for non-linear systems actuated via counter-convecting transport PDEs. **2021**, 15, 1-12
- 107 Signed Small-Gain Criteria Amenable to Asymmetry with Respect to Equilibria in Establishing iISS of Networks. **2020**, 1
- 106 . **2020**,
- 105 On Necessary Conditions of Tracking Control for Nonlinear Systems via Contraction Analysis. **2020**, 0
- 104 Robust event-triggered distributed min-max model predictive control of continuous-time non-linear systems. **2020**, 14, 3320-3329 1
- 103 Sufficient Lyapunov conditions for pth moment ISS of discrete-time Markovian Switching Systems. **2020**, 0
- 102 Lyapunov-based continuous-time nonlinear control using deep neural network applied to underactuated systems. **2022**, 107, 104519 4
- 101 A Construction of Strict Lyapunov Functions for A Bilinear Balancing Model. **2021**, 54, 161-166 2
- 100 Stabilization of Passive Dynamical Systems with Actuator and Sensor Disturbances. **2020**, 53, 5807-5812
- 99 Type-2 Fuzzy PD/PID Control of Structures. **2020**, 57-78
- 98 Bidirectional PD/PID Control of Structures. **2020**, 31-56
- 97 Extended Models and Design. **2020**, 93-138

96	Time-varying Obstacle Avoidance by Using High-gain Observer and Input-to-State Constraint Safe Control Barrier Function. 2020 , 53, 391-396	0
95	Quasi-Integral-Input-to-State Stability for Switched Nonlinear Systems. 2020 , 53, 1992-1997	3
94	Smaller and negative exponents in Lyapunov functions for interconnected iISS systems. 2020 , 53, 6287-6292	
93	ISS Small-Gain Theorem for Networked Discrete-Time Switching Systems. 2020 , 53, 1900-1905	1
92	Modern Lyapunov Tools. 2020 , 95-111	
91	Finite-Time Input to State Stability of Discontinuous Dynamical Systems: A Case Study of Networked Euler-Lagrange Systems. 2020 ,	
90	Control of Flow Rate in Heavy-Oil Pipelines Using PD and PID Controller. 2021 , 175-198	
89	Analysis and Design of Observer-Based Fault Detection Systems. 2021 , 267-293	
88	Performance improvement-oriented reentry attitude control for reusable launch vehicles with overload constraint. <i>ISA Transactions</i> , 2021 ,	5.5
87	Global Synchronization & Secure Communication via Cascade Norm Observers & Equivalent Control. 2021 , 54, 59-64	
86	Input-to-State stability of dissipative PI control for a class of semilinear heat equations. 2021 , 54, 281-286	0
85	. 2022 , 1-1	2
84	Three-Stage Hierarchically-Coordinated Volt-age/Var Control based on PV Inverters Considering Network Voltage Stability. 2021 , 1-1	1
83	Generalized Super-Twisting control of a Dual Active Bridge for More Electric Aircraft. 2021 ,	1
82	A New Approach to Sliding Mode Control of a Robot System with Its Computed Torque Treatment. 2021 ,	1
81	Robust Model Predictive Control with Control Barrier Function for Nonholonomic Robots with Obstacle Avoidance. 2021 ,	
80	Estimate-to-State Stability for Hybrid Human-Prosthesis Systems. 2021 ,	1
79	Time-Synchronized Stability. 2022 , 11-41	

78	A Novel Approach to Input-to-State Stability of Impulsive Switched Nonlinear Systems. 1		
77	Fixed-Time-Synchronized Control with Settling Time Estimation. 2022 , 133-163		
76	An Output Feedback Stabilizer for Uncertain MIMO Nonlinear Systems: Nonlinear Nominal Input Gain Function. <i>IEEE Transactions on Automatic Control</i> , 2022 , 1-1	5.9	
75	Remarks on input to state stability of perturbed gradient flows, motivated by model-free feedback control learning. <i>Systems and Control Letters</i> , 2022 , 161, 105138	2.4	○
74	Small-gain theorem for safety verification of interconnected systems. 2022 , 139, 110178		○
73	Strict smooth Lyapunov functions and vaccination control of SIR model certified by ISS. <i>IEEE Transactions on Automatic Control</i> , 2022 , 1-1	5.9	○
72	Powered Prosthesis Locomotion on Varying Terrains: Model-Dependent Control With Real-Time Force Sensing. 2022 , 7, 5151-5158		○
71	Output feedback regulation for a class of output-constrained nonlinear systems with iISS inverse dynamics.		
70	Input-to-state stability and sliding mode control of the nonlinear singularly perturbed systems via trajectory-based small-gain theorem. 2022 , 44, 101175		○
69	Trajectory Tracking Control for a Nonlinear System via a Time-Varying ISS-TCLF and Disturbance Observer. 2021 ,		
68	Sistema de control de posición mediante rechazo activo de perturbaciones para sistemas ópticos lineales. <i>RIAI - Revista Iberoamericana De Automatica E Informatica Industrial</i> , 2021 , 19, 61-73	1.5	
67	Sampled-Data Online Feedback Equilibrium Seeking: Stability and Tracking. 2021 ,		○
66	Stabilizing switched systems under a class of restricted switching signals. 2021 ,		
65	Input-to-state stability for large-scale stochastic impulsive systems with state delay. <i>Stochastic Analysis and Applications</i> , 1-32	1.1	
64	Steering Actuator Efficiency Estimation for Vehicle Lateral Dynamics. 2021 ,		
63	Vaccination with Input-to-State Stability for SIR Model of Epidemics. 2021 ,		4
62	Improved small gain conditions for input-to-state stability with respect to measurement functions: Discrete time networked system. 2021 ,		○
61	Control mediante rechazo activo de perturbaciones de la temperatura de un módulo termoeléctrico. <i>RIAI - Revista Iberoamericana De Automatica E Informatica Industrial</i> , 2021 , 19, 48-60	1.5	

60	On energetically optimal finite-time stabilization. 2021,		0
59	Passive Decoupled Multitask Controller for Redundant Robots. <i>IEEE Transactions on Control Systems Technology</i> , 2022 , 1-16	4.8	0
58	Input-to-state stability of discrete-time time-varying impulsive delay systems. <i>International Journal of Systems Science</i> , 1-16	2.3	0
57	Semiglobal robust regulation of nonlinear systems. 1996 , 27-53		
56	Tracking Control of Unicycle Mobile Robots with Event-Triggered and Self-Triggered Feedback. <i>IEEE Transactions on Automatic Control</i> , 2022 , 1-1	5.9	1
55	Overview of the recent research progress for stability and control on random nonlinear systems. <i>Annual Reviews in Control</i> , 2022 ,	10.3	2
54	Robust Event-Triggered Control of Nonlinear Systems Under a Global Sector-Bound Condition*. <i>Research on World Agricultural Economy</i> ,		0
53	Fixed-Time Planetary Landing Guidance With Unknown Disturbance and Thruster Constraint. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2022 , 1-13	3.7	0
52	Exo-Abs: A Wearable Robotic System Inspired by Human Abdominal Muscles for Noninvasive and Effort-Synchronized Respiratory Assistance. <i>IEEE Transactions on Robotics</i> , 2022 , 1-21	6.5	
51	Prescribed-Time Input-to-State Stabilization of Normal Nonlinear Systems by Bounded Time-Varying Feedback. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2022 , 1-11	3.9	0
50	An indirect iterative learning controller for nonlinear systems with mismatched uncertainties and matched disturbances. <i>International Journal of Systems Science</i> , 1-15	2.3	
49	A Cooperative ADRC-Based Approach for Angular Velocity Synchronization and Load-Sharing in Servomechanisms. <i>Energies</i> , 2022 , 15, 5121	3.1	0
48	Robust nonlinear control of blood glucose in diabetic patients subject to model uncertainties. <i>ISA Transactions</i> , 2022 ,	5.5	
47	Tuning Rules for Passivity-Based Integral Control for a Class of Mechanical Systems. 2023 , 7, 37-42		0
46	A Saturated Higher Order Sliding Mode Control Approach for DC/DC Converters. 2022 ,		
45	Towards lifelong learning of Recurrent Neural Networks for control design. 2022 ,		
44	Isolation-oriented Lyapunov-based design of simultaneous feedback strategies for disease control of SIQR.		0
43	Recent Developments in Event-Triggered Control of Nonlinear Systems: An Overview.		

- 42 A T-S fuzzy state observer-based model predictive reset control for a class of fuzzy nonlinear systems with event-triggered mechanism. **2022**, 0
- 41 Input-to-state stability for time-varying delayed systems in Halanay-type inequality forms. **2022**, 0
- 40 L¹-gain filtering of semi-Markov jump systems subjected to persistent bounded disturbances. **2022**, 115, 106778 0
- 39 Lyapunov characterizations on input-to-state stability of nonlinear systems with infinite delays. **2022**, 146, 110585 0
- 38 Neural Ordinary Differential Equation Models of Circuits: Capabilities and Pitfalls. **2022**, 1-16 0
- 37 Feedback control of isolation and contact for SIQR epidemic model via strict Lyapunov function. **2022**, 0 0
- 36 Stabilization of Continuous Time Uncertain Systems with Predefined Upper Bound of Settling Time. **2022**, 0
- 35 An ISS Lyapunov function estimating admissible inflow perturbations for semi-global control of SIQR model. **2022**, 0
- 34 Dynamic feedback control of SIQR model guaranteeing semi-global asymptotic stability and robustness for inflow perturbations. **2022**, 0
- 33 LaSalle–Yoshizawa Theorem for nonlinear systems with external inputs: A counter-example. **2022**, 110636 0
- 32 Observer design for a nonlinear heat equation: Application to semiconductor wafer processing. **2022**, 119, 34-43 0
- 31 Neuro-adaptive distributed formation tracking control of under-actuated unmanned surface vehicles with input quantization. **2022**, 265, 112492 1
- 30 On homogeneous controllability functions. **2021**, 24-39 1
- 29 A small gain theorem for finite-time input-to-state stability of infinite networks and its applications. **2021**, 40-59 0
- 28 Distributed Stability Analysis for Power Systems Under Persistent Disturbance. **2022**, 0
- 27 Robust self-triggered DMPC for linear discrete-time systems with local and global constraints. **2022**, 0
- 26 Control Configuration Selection for Nonlinear Systems. 0
- 25 A Nature-Inspired Distributed Robust Control Design for Ground-Aerial Vehicle Cooperation. **2022**, 1-10 0

- 24 Global stability of a continuous bioreactor model under persistent variation of the dilution rate. **2022**, 20, 3396-3424 ○
- 23 Data-Driven Time-Delayed Control for Euler-Lagrange Systems. **2022**, ○
- 22 Online driver model parameter identification using the Lyapunov approach based shared control. 3, ○
- 21 Distributed Platoon Control of Connected Vehicles Based on Input-to-state String Stability. **2022**, ○
- 20 L1-input-to-state Stability for Nonlinear Systems. **2022**, ○
- 19 A Global and Semi-Global Controller for SIQR Epidemic Model by A Control Lyapunov Function via Logarithmic Sum. **2022**, ○
- 18 Robust Stability of Limit Regimes in Distributed Signal Transmission RD Systems. **2022**, ○
- 17 Generalized homogeneous control with integral action. ○
- 16 The exponential input-to-state stability property: characterisations and feedback connections. ○
- 15 Input-to-state practical stability criteria of non-autonomous infinite-dimensional systems. 1-11 ○
- 14 The ISS framework for time-delay systems: a survey. ○
- 13 Input-to-output stability of the nonlinear singular systems and small-gain theorem. **2022**, ○
- 12 High-order control barrier functions-based optimization control for time-varying nonlinear systems with full-state constraints: A dynamic sub-safe set approach. **2023**, 33, 4490-4503 ○
- 11 Input-to-State Practical Partial h-stability of Nonlinear Non-autonomous Systems. ○
- 10 Input-to-state practical stability for nonautonomous nonlinear infinite-dimensional systems. ○
- 9 Singular Perturbation: When the Perturbation Parameter Becomes a State-Dependent Function. **2023**, 56, 294-300 ○
- 8 Nonlinear PI control for semi-global asymptotic stabilization and robustness of SIQR model with inflow perturbations. **2023**, 56, 276-281 ○
- 7 A controller management scheme for active fault-tolerant tracking: Linear discrete-time systems. **2023**, ○

- 6 An Input-to-State Stable Virtual Sensor for Electric Motor Rotor Temperature. **2023**, 56, 240-245
- 5 Examples for separable control Lyapunov functions and their neural network approximation. **2023**, 56, 19-24
- 4 Input-to-State Stability. **2023**, 41-115
- 3 Control Lyapunov function method for robust stabilization of multistable affine nonlinear systems.
- 2 Adaptive simplified surge-heading tracking control for underwater vehicles with thruster's dead-zone compensation.
- 1 Traffic models of periodic event-triggered quantized control systems. **2023**, 49, 101370