

P Balasubramaniam

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283
papers

6,282
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43
h-index

58
g-index

293
ext. papers

7,038
ext. citations

3
avg, IF

6.66
L-index

#	Paper	IF	Citations
283	Existence and global stability analysis of equilibrium of fuzzy cellular neural networks with time delay in the leakage term under impulsive perturbations. <i>Journal of the Franklin Institute</i> , 2011 , 348, 1354-1355	4.155	148
282	Synchronization of Markovian jumping inertial neural networks and its applications in image encryption. <i>Neural Networks</i> , 2016 , 83, 86-93	9.1	111
281	Existence, uniqueness and stability analysis of recurrent neural networks with time delay in the leakage term under impulsive perturbations. <i>Nonlinear Analysis: Real World Applications</i> , 2010 , 11, 4092-4108	2.1	111
280	Improved results on robust stability of neutral systems with mixed time-varying delays and nonlinear perturbations. <i>Applied Mathematical Modelling</i> , 2011 , 35, 5355-5368	4.5	83
279	Global exponential stability results for neutral-type impulsive neural networks. <i>Nonlinear Analysis: Real World Applications</i> , 2010 , 11, 122-130	2.1	81
278	Feedback synchronization of the fractional order reverse butterfly-shaped chaotic system and its application to digital cryptography. <i>Nonlinear Dynamics</i> , 2013 , 74, 1169-1181	5	79
277	Image fusion using intuitionistic fuzzy sets. <i>Information Fusion</i> , 2014 , 20, 21-30	16.7	78
276	Delay-dependent stability of neutral systems with time-varying delays using delay-decomposition approach. <i>Applied Mathematical Modelling</i> , 2012 , 36, 2253-2261	4.5	75
275	Delay-dependent asymptotic stability for stochastic delayed recurrent neural networks with time varying delays. <i>Applied Mathematics and Computation</i> , 2008 , 198, 526-533	2.7	75
274	Leakage Delays in TB Fuzzy Cellular Neural Networks. <i>Neural Processing Letters</i> , 2011 , 33, 111-136	2.4	74
273	Delay-dependent robust exponential state estimation of Markovian jumping fuzzy Hopfield neural networks with mixed random time-varying delays. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011 , 16, 2109-2129	3.7	73
272	Approximate controllability of a class of fractional neutral stochastic integro-differential inclusions with infinite delay by using Mainardi function. <i>Applied Mathematics and Computation</i> , 2015 , 256, 232-246	2.7	70
271	Passivity analysis for neural networks of neutral type with Markovian jumping parameters and time delay in the leakage term. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011 , 16, 4422-4437	3.7	70
270	Stability analysis of uncertain fuzzy Hopfield neural networks with time delays. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009 , 14, 2776-2783	3.7	69
269	State estimation for Markovian jumping recurrent neural networks with interval time-varying delays. <i>Nonlinear Dynamics</i> , 2010 , 60, 661-675	5	68
268	New global exponential stability results for neutral type neural networks with distributed time delays. <i>Neurocomputing</i> , 2008 , 71, 1039-1045	5.4	68
267	Global asymptotic stability of BAM fuzzy cellular neural networks with time delay in the leakage term, discrete and unbounded distributed delays. <i>Mathematical and Computer Modelling</i> , 2011 , 53, 839-853		64

266	Global asymptotic stability of stochastic fuzzy cellular neural networks with multiple time-varying delays. <i>Expert Systems With Applications</i> , 2010 , 37, 7737-7744	7.8	63
265	Controllability for neutral stochastic functional differential inclusions with infinite delay in abstract space. <i>Journal of Mathematical Analysis and Applications</i> , 2006 , 324, 161-176	1.1	63
264	Global asymptotic stability of stochastic BAM neural networks with distributed delays and reaction-diffusion terms. <i>Journal of Computational and Applied Mathematics</i> , 2010 , 234, 3458-3466	2.4	61
263	Robust stability results for uncertain stochastic neural networks with discrete interval and distributed time-varying delays. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 5290-5298	2.3	59
262	State estimation for genetic regulatory networks with mode-dependent leakage delays, time-varying delays, and Markovian jumping parameters. <i>IEEE Transactions on Nanobioscience</i> , 2013 , 12, 363-75	3.4	55
261	A review of online learning in supervised neural networks. <i>Neural Computing and Applications</i> , 2014 , 25, 491-509	4.8	54
260	Sliding mode control design for synchronization of fractional order chaotic systems and its application to a new cryptosystem. <i>International Journal of Dynamics and Control</i> , 2017 , 5, 115-123	1.7	53
259	Theoretical and practical applications of fuzzy fractional integral sliding mode control for fractional-order dynamical system. <i>Nonlinear Dynamics</i> , 2015 , 80, 249-267	5	53
258	Synchronization of a novel fractional order stretch-twist-fold (STF) flow chaotic system and its application to a new authenticated encryption scheme (AES). <i>Nonlinear Dynamics</i> , 2014 , 77, 1547-1559	5	53
257	Design of state estimator for neural networks with leakage, discrete and distributed delays. <i>Applied Mathematics and Computation</i> , 2012 , 218, 11297-11310	2.7	53
256	Delay-dependent stability criterion for a class of non-linear singular Markovian jump systems with mode-dependent interval time-varying delays. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 3612-3627	3.7	53
255	Delay-dependent robust H _∞ control for uncertain stochastic TB fuzzy systems with time-varying state and input delays. <i>International Journal of Systems Science</i> , 2011 , 42, 877-887	2.3	52
254	Global robust asymptotic stability analysis of uncertain switched Hopfield neural networks with time delay in the leakage term. <i>Neural Computing and Applications</i> , 2012 , 21, 1593-1616	4.8	51
253	Existence and Global Asymptotic Stability of Fuzzy Cellular Neural Networks with Time Delay in the Leakage Term and Unbounded Distributed Delays. <i>Circuits, Systems, and Signal Processing</i> , 2011 , 30, 1595-1616 ⁵¹	2.7	51
252	Synchronization and an application of a novel fractional order King Cobra chaotic system. <i>Chaos</i> , 2014 , 24, 033105	3.3	50
251	Robust stability analysis for discrete-time uncertain neural networks with leakage time-varying delay. <i>Neurocomputing</i> , 2015 , 151, 808-816	5.4	48
250	LMI conditions for global asymptotic stability results for neutral-type neural networks with distributed time delays. <i>Applied Mathematics and Computation</i> , 2008 , 204, 317-324	2.7	48
249	Delay-dependent robust asymptotic state estimation of Takagi-Sugeno fuzzy Hopfield neural networks with mixed interval time-varying delays. <i>Expert Systems With Applications</i> , 2012 , 39, 472-481	7.8	47

248	Delay dependent stability analysis of neutral systems with mixed time-varying delays and nonlinear perturbations. <i>Journal of Computational and Applied Mathematics</i> , 2011 , 235, 2147-2156	2.4	47
247	Delay-Dependent Robust Stabilization and H_{∞} Control for Nonlinear Stochastic Systems with Markovian Jump Parameters and Interval Time-Varying Delays. <i>Journal of Optimization Theory and Applications</i> , 2011 , 151, 100-120	1.6	46
246	Fast projective synchronization of fractional order chaotic and reverse chaotic systems with its application to an affine cipher using date of birth (DOB). <i>Nonlinear Dynamics</i> , 2015 , 80, 1883-1897	5	45
245	Dynamic analysis of Markovian jumping impulsive stochastic Cohen-Grossberg neural networks with discrete interval and distributed time-varying delays. <i>Nonlinear Analysis: Hybrid Systems</i> , 2009 , 3, 408-417	4.5	45
244	Robust exponential stability of uncertain fuzzy Cohen-Grossberg neural networks with time-varying delays. <i>Fuzzy Sets and Systems</i> , 2010 , 161, 608-618	3.7	45
243	Robust stability of uncertain fuzzy BAM neural networks of neutral-type with Markovian jumping parameters and impulses. <i>Computers and Mathematics With Applications</i> , 2011 , 62, 1838-1861	2.7	44
242	Synchronization of recurrent neural networks with mixed time-delays via output coupling with delayed feedback. <i>Nonlinear Dynamics</i> , 2012 , 70, 677-691	5	43
241	Synchronization of chaotic systems under sampled-data control. <i>Nonlinear Dynamics</i> , 2012 , 70, 1977-1987	3	43
240	Image encryption method based on chaotic fuzzy cellular neural networks. <i>Signal Processing</i> , 2017 , 140, 87-96	4.4	42
239	Approximate Controllability of Impulsive Fractional Integro-Differential Systems with Nonlocal Conditions in Hilbert Space. <i>Numerical Functional Analysis and Optimization</i> , 2014 , 35, 177-197	1	42
238	Filtering for neutral Markovian switching system with mode-dependent time-varying delays and partially unknown transition probabilities. <i>Applied Mathematics and Computation</i> , 2013 , 219, 9524-9542	2.7	42
237	Synchronization of chaotic nonlinear continuous neural networks with time-varying delay. <i>Cognitive Neurodynamics</i> , 2011 , 5, 361-71	4.2	42
236	Delay-interval dependent robust stability criteria for stochastic neural networks with linear fractional uncertainties. <i>Neurocomputing</i> , 2009 , 72, 3675-3682	5.4	42
235	Delay-range dependent stability criteria for neural networks with Markovian jumping parameters. <i>Nonlinear Analysis: Hybrid Systems</i> , 2009 , 3, 749-756	4.5	42
234	A delay decomposition approach to delay-dependent passivity analysis for interval neural networks with time-varying delay. <i>Neurocomputing</i> , 2011 , 74, 1646-1653	5.4	41
233	The Solvability and Optimal Controls for Impulsive Fractional Stochastic Integro-Differential Equations via Resolvent Operators. <i>Journal of Optimization Theory and Applications</i> , 2017 , 174, 139-155	1.6	40
232	Delay-dependent robust stability analysis for Markovian jumping stochastic Cohen-Grossberg neural networks with discrete interval and distributed time-varying delays. <i>Nonlinear Analysis: Hybrid Systems</i> , 2009 , 3, 207-214	4.5	40
231	Stability analysis of fuzzy Markovian jumping Cohen-Grossberg BAM neural networks with mixed time-varying delays. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011 , 16, 2054-2064	3.7	40

230	Global asymptotic stability of stochastic recurrent neural networks with multiple discrete delays and unbounded distributed delays. <i>Applied Mathematics and Computation</i> , 2008 , 204, 680-686	2.7	40
229	Stability of stochastic fuzzy BAM neural networks with discrete and distributed time-varying delays. <i>International Journal of Machine Learning and Cybernetics</i> , 2017 , 8, 263-273	3.8	39
228	Robust asymptotic stability of fuzzy Markovian jumping genetic regulatory networks with time-varying delays by delay decomposition approach. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011 , 16, 928-939	3.7	39
227	Neutral-type of delayed inertial neural networks and their stability analysis using the LMI Approach. <i>Neurocomputing</i> , 2017 , 230, 243-250	5.4	38
226	Chaotic synchronization of Rikitake system based on T-S fuzzy control techniques. <i>Nonlinear Dynamics</i> , 2013 , 74, 31-44	5	38
225	Delay dependent stability results for fuzzy BAM neural networks with Markovian jumping parameters. <i>Expert Systems With Applications</i> , 2011 , 38, 121-130	7.8	38
224	Design of state estimator for genetic regulatory networks with time-varying delays and randomly occurring uncertainties. <i>BioSystems</i> , 2013 , 111, 51-70	1.9	37
223	Robust . <i>Applied Mathematics Letters</i> , 2011 , 24, 1986-1994	3.5	37
222	Stability analysis of TakagiSugeno fuzzy CohenGrossberg BAM neural networks with discrete and distributed time-varying delays. <i>Mathematical and Computer Modelling</i> , 2011 , 53, 151-160		37
221	On exponential stability results for fuzzy impulsive neural networks. <i>Fuzzy Sets and Systems</i> , 2010 , 161, 1823-1835	3.7	37
220	An LMI approach for global robust dissipativity analysis of TB fuzzy neural networks with interval time-varying delays. <i>Expert Systems With Applications</i> , 2012 , 39, 3345-3355	7.8	36
219	Approximate controllability of fractional stochastic differential equations driven by mixed fractional Brownian motion via resolvent operators. <i>International Journal of Control</i> , 2017 , 90, 1713-1727	7.5	36
218	Controllability of nonlinear integrodifferential systems in Banach space. <i>Journal of Optimization Theory and Applications</i> , 1995 , 84, 83-91	1.6	36
217	Robust stability of uncertain fuzzy cellular neural networks with time-varying delays and reaction diffusion terms. <i>Neurocomputing</i> , 2010 , 74, 439-446	5.4	35
216	Asymptotic stability of BAM neural networks of neutral-type with impulsive effects and time delay in the leakage term. <i>International Journal of Computer Mathematics</i> , 2011 , 88, 3271-3291	1.2	34
215	Robust stability of uncertain fuzzy CohenGrossberg BAM neural networks with time-varying delays. <i>Expert Systems With Applications</i> , 2009 , 36, 10583-10588	7.8	34
214	Existence and uniqueness of fuzzy solution for semilinear fuzzy integrodifferential equations with nonlocal conditions. <i>Computers and Mathematics With Applications</i> , 2004 , 47, 1115-1122	2.7	34
213	Non-fragile state observer design for neural networks with Markovian jumping parameters and time-delays. <i>Nonlinear Analysis: Hybrid Systems</i> , 2014 , 14, 61-73	4.5	32

212	Exponential stability of stochastic reaction-diffusion uncertain fuzzy neural networks with mixed delays and Markovian jumping parameters. <i>Expert Systems With Applications</i> , 2012 , 39, 3109-3115	7.8	32
211	Stochastic stability of Markovian jumping uncertain stochastic genetic regulatory networks with interval time-varying delays. <i>Mathematical Biosciences</i> , 2010 , 226, 97-108	3.9	32
210	Passivity analysis of neural networks with Markovian jumping parameters and interval time-varying delays. <i>Nonlinear Analysis: Hybrid Systems</i> , 2010 , 4, 853-864	4.5	32
209	Sliding mode control for generalized robust synchronization of mismatched fractional order dynamical systems and its application to secure transmission of voice messages. <i>ISA Transactions</i> , 2018 , 82, 51-61	5.5	32
208	A descriptor system approach to the delay-dependent exponential stability analysis for switched neutral systems with nonlinear perturbations. <i>Nonlinear Analysis: Hybrid Systems</i> , 2015 , 15, 23-36	4.5	30
207	Segmentation of gray scale image based on intuitionistic fuzzy sets constructed from several membership functions. <i>Pattern Recognition</i> , 2014 , 47, 3870-3880	7.7	30
206	Global robust passivity analysis for stochastic fuzzy interval neural networks with time-varying delays. <i>Expert Systems With Applications</i> , 2012 , 39, 732-742	7.8	30
205	Secure Communication via Synchronization of Lur \bar{B} Systems Using Sampled-Data Controller. <i>Circuits, Systems, and Signal Processing</i> , 2014 , 33, 37-52	2.2	30
204	Local null controllability of nonlinear functional differential systems in Banach space. <i>Journal of Optimization Theory and Applications</i> , 1996 , 88, 61-75	1.6	30
203	T \bar{B} fuzzy predictive control for fractional order dynamical systems and its applications. <i>Nonlinear Dynamics</i> , 2016 , 86, 751-763	5	29
202	State estimation for fuzzy cellular neural networks with time delay in the leakage term, discrete and unbounded distributed delays. <i>Computers and Mathematics With Applications</i> , 2011 , 62, 3959-3972	2.7	29
201	Robust stability for uncertain stochastic fuzzy BAM neural networks with time-varying delays. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 5159-5166	2.3	29
200	Solution of matrix Riccati differential equation for the linear quadratic singular system using neural networks. <i>Applied Mathematics and Computation</i> , 2006 , 182, 1832-1839	2.7	29
199	Synchronization of fuzzy bidirectional associative memory neural networks with various time delays. <i>Applied Mathematics and Computation</i> , 2015 , 270, 582-605	2.7	28
198	Existence of solutions for semilinear neutral stochastic functional differential equations with nonlocal conditions. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009 , 71, 1049-1058	1.3	28
197	Global asymptotic stability of stochastic fuzzy cellular neural networks with multiple discrete and distributed time-varying delays. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011 , 16, 2907-2916	3.7	28
196	Dynamical Analysis of the Hindmarsh-Rose Neuron With Time Delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 1953-1958	10.3	27
195	Robust state estimation for discrete-time genetic regulatory network with random delays. <i>Neurocomputing</i> , 2013 , 122, 349-369	5.4	27

194	Delay-probability-distribution-dependent stability of uncertain stochastic genetic regulatory networks with mixed time-varying delays: An LMI approach. <i>Nonlinear Analysis: Hybrid Systems</i> , 2010 , 4, 600-607	4.5	27
193	Robust stability analysis for discrete-time neural networks with time-varying leakage delays and random parameter uncertainties. <i>Neurocomputing</i> , 2016 , 179, 126-134	5.4	26
192	Robust stability analysis for Markovian jumping interval neural networks with discrete and distributed time-varying delays. <i>Chaos, Solitons and Fractals</i> , 2012 , 45, 483-495	9.3	26
191	Global Passivity Analysis of Interval Neural Networks with Discrete and Distributed Delays of Neutral Type. <i>Neural Processing Letters</i> , 2010 , 32, 109-130	2.4	26
190	State estimation for delayed genetic regulatory networks based on passivity theory. <i>Mathematical Biosciences</i> , 2013 , 244, 165-75	3.9	25
189	Delay-interval-dependent robust stability results for uncertain stochastic systems with Markovian jumping parameters. <i>Nonlinear Analysis: Hybrid Systems</i> , 2011 , 5, 681-691	4.5	25
188	A new thresholding technique based on fuzzy set as an application to leukocyte nucleus segmentation. <i>Computer Methods and Programs in Biomedicine</i> , 2016 , 134, 165-77	6.9	25
187	Asymptotic stability of Markovian switching genetic regulatory networks with leakage and mode-dependent time delays. <i>Journal of the Franklin Institute</i> , 2016 , 353, 1615-1638	4	24
186	Synchronisation of discrete-time complex networks with randomly occurring uncertainties, nonlinearities and time-delays. <i>International Journal of Systems Science</i> , 2014 , 45, 1427-1450	2.3	24
185	Delay-dependent robust stability analysis of uncertain stochastic neural networks with discrete interval and distributed time-varying delays. <i>Neurocomputing</i> , 2009 , 72, 3231-3237	5.4	24
184	Null controllability of semilinear integrodifferential systems in Banach space. <i>Applied Mathematics Letters</i> , 1997 , 10, 117-123	3.5	24
183	Segmentation of nutrient deficiency in incomplete crop images using intuitionistic fuzzy C-means clustering algorithm. <i>Nonlinear Dynamics</i> , 2016 , 83, 849-866	5	23
182	Chaotic synchronization of time-delay coupled Hindmarsh-Rose neurons via nonlinear control. <i>Nonlinear Dynamics</i> , 2016 , 86, 1249-1262	5	23
181	Approximate Controllability of Neutral Stochastic Functional Differential Systems with Infinite Delay. <i>Stochastic Analysis and Applications</i> , 2010 , 28, 389-400	1.1	23
180	Optimal control for nonlinear singular systems with quadratic performance using neural networks. <i>Applied Mathematics and Computation</i> , 2007 , 187, 1535-1543	2.7	23
179	A new fuzzy clustering algorithm for the segmentation of brain tumor. <i>Soft Computing</i> , 2016 , 20, 4859-4879	9.5	22
178	Direct delay decomposition approach to synchronization of chaotic fuzzy cellular neural networks with discrete, unbounded distributed delays and Markovian jumping parameters. <i>Applied Mathematics and Computation</i> , 2015 , 254, 291-304	2.7	22
177	Exponential stability results for uncertain neutral systems with interval time-varying delays and Markovian jumping parameters. <i>Applied Mathematics and Computation</i> , 2010 , 216, 3396-3407	2.7	22

176	Delay-dependent H _∞ filtering for complex dynamical networks with time-varying delays in nonlinear function and network couplings. <i>Signal Processing</i> , 2016 , 118, 122-132	4.4	21
175	Local and Global Existence of Mild Solution for Impulsive Fractional Stochastic Differential Equations. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 2015 , 38, 867-884	1.2	21
174	Non-fragile robust stabilization and H _∞ control for uncertain stochastic time delay systems with Markovian jump parameters and nonlinear disturbances. <i>International Journal of Adaptive Control and Signal Processing</i> , 2014 , 28, 464-478	2.8	21
173	New results of robust stability analysis for neutral-type neural networks with time-varying delays and Markovian jumping parameters. The work of authors was supported by Department of Science and Technology, New Delhi, India, under the sanctioned No. SR/S4/MS:485/07.. <i>Canadian Journal of Physics</i> , 2011 , 89, 827-840	1.1	21
172	Exponential stability of uncertain stochastic fuzzy BAM neural networks with time-varying delays. <i>Neurocomputing</i> , 2009 , 72, 1347-1354	5.4	21
171	Approximate Controllability of Second-Order Stochastic Distributed Implicit Functional Differential Systems with Infinite Delay. <i>Journal of Optimization Theory and Applications</i> , 2009 , 143, 225-244	1.6	21
170	Existence of solutions of semilinear stochastic delay evolution inclusions in a Hilbert space. <i>Journal of Mathematical Analysis and Applications</i> , 2005 , 305, 438-451	1.1	21
169	Existence of solutions of functional stochastic differential inclusions. <i>Tamkang Journal of Mathematics</i> , 2002 , 33, 25-34	1.7	21
168	Robust dissipativity and passivity analysis for discrete-time stochastic neural networks with time-varying delay. <i>Complexity</i> , 2016 , 21, 47-58	1.6	20
167	Global exponential stability of uncertain fuzzy BAM neural networks with time-varying delays. <i>Chaos, Solitons and Fractals</i> , 2009 , 42, 2191-2199	9.3	20
166	A delay decomposition approach to fuzzy Markovian jumping genetic regulatory networks with time-varying delays. <i>Fuzzy Sets and Systems</i> , 2011 , 164, 82-100	3.7	20
165	Existence of Solutions of Nonlinear Neutral Stochastic Differential Inclusions in a Hilbert Space. <i>Stochastic Analysis and Applications</i> , 2005 , 23, 137-151	1.1	20
164	Design of state estimator for BAM fuzzy cellular neural networks with leakage and unbounded distributed delays. <i>Information Sciences</i> , 2017 , 397-398, 91-109	7.7	19
163	Existence and uniqueness of fuzzy solution for the nonlinear fuzzy integrodifferential equations. <i>Applied Mathematics Letters</i> , 2001 , 14, 455-462	3.5	19
162	Moment stability via resolvent operators of fractional stochastic differential inclusions driven by fractional Brownian motion. <i>Applied Mathematics and Computation</i> , 2017 , 305, 299-307	2.7	18
161	H _∞ state-feedback control of time-delay systems using reciprocally convex approach. <i>Journal of Process Control</i> , 2014 , 24, 892-904	3.9	18
160	Delay-dependent global asymptotic stability criteria for genetic regulatory networks with time delays in the leakage term. <i>Physica Scripta</i> , 2011 , 84, 055007	2.6	18
159	LMI conditions for stability of stochastic recurrent neural networks with distributed delays. <i>Chaos, Solitons and Fractals</i> , 2009 , 40, 1688-1696	9.3	18

158	Robust stability and stabilization analysis for discrete-time randomly switched fuzzy systems with known sojourn probabilities. <i>Nonlinear Analysis: Hybrid Systems</i> , 2015 , 17, 128-143	4.5	17
157	Linear matrix inequality approach for synchronization control of fuzzy cellular neural networks with mixed time delays. <i>Chinese Physics B</i> , 2012 , 21, 048402	1.2	17
156	Linear matrix inequality approach for robust stability analysis for stochastic neural networks with time-varying delay. <i>Chinese Physics B</i> , 2011 , 20, 040204	1.2	17
155	Optimal control for stochastic nonlinear singular system using neural networks. <i>Computers and Mathematics With Applications</i> , 2008 , 56, 2145-2154	2.7	17
154	Controllability of fractional higher order stochastic integrodifferential systems with fractional Brownian motion. <i>ISA Transactions</i> , 2018 , 82, 107-119	5.5	17
153	The Controllability of Fractional Damped Stochastic Integrodifferential Systems. <i>Asian Journal of Control</i> , 2017 , 19, 1455-1464	1.7	16
152	Existence of solutions and approximate controllability of impulsive fractional stochastic differential systems with infinite delay and Poisson jumps. <i>Applications of Mathematics</i> , 2015 , 60, 395-419		16
151	Bifurcation analysis of HIV infection model with antibody and cytotoxic T-lymphocyte immune responses and Beddington-DeAngelis functional response. <i>Mathematical Methods in the Applied Sciences</i> , 2015 , 38, 1330-1341	2.3	16
150	Robust Stability Criterion for Discrete-Time Nonlinear Switched Systems with Randomly Occurring Delays via TB Fuzzy Approach. <i>Complexity</i> , 2015 , 20, 49-61	1.6	16
149	Delay decomposition approach to state estimation of neural networks with mixed time-varying delays and Markovian jumping parameters. <i>Mathematical Methods in the Applied Sciences</i> , 2013 , 36, 395-412	2.3	16
148	Delay-interval-dependent robust-stability criteria for neutral stochastic neural networks with polytopic and linear fractional uncertainties. <i>International Journal of Computer Mathematics</i> , 2011 , 88, 2001-2015	1.2	16
147	Delay decomposition approach to stability analysis for uncertain fuzzy Hopfield neural networks with time-varying delay. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011 , 16, 2098-2108	3.7	16
146	Approximate controllability of second-order damped McKean-Vlasov stochastic evolution equations. <i>Computers and Mathematics With Applications</i> , 2010 , 60, 2788-2796	2.7	16
145	Controllability of semilinear stochastic delay evolution equations in Hilbert spaces. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2002 , 31, 157-166	0.8	16
144	Admissibility analysis for discrete-time singular systems with randomly occurring uncertainties via delay-divisioning approach. <i>ISA Transactions</i> , 2015 , 59, 354-62	5.5	15
143	On impulsive Hilfer fractional stochastic differential system driven by Rosenblatt process. <i>Stochastic Analysis and Applications</i> , 2019 , 37, 955-976	1.1	15
142	Synchronization of chaotic systems using feedback controller: An application to Diffie-Hellman key exchange protocol and ElGamal public key cryptosystem. <i>Journal of the Egyptian Mathematical Society</i> , 2014 , 22, 365-372	2.2	15
141	H ∞ Filtering for Markovian Switching System with Mode-Dependent Time-Varying Delays. <i>Circuits, Systems, and Signal Processing</i> , 2014 , 33, 347-369	2.2	15

140	Stability analysis of Takagi-Sugeno stochastic fuzzy Hopfield neural networks with discrete and distributed time varying delays. <i>Neurocomputing</i> , 2011 , 74, 1520-1526	5.4	15
139	Approximate controllability of mixed stochastic Volterra-Bredholm type integrodifferential systems in Hilbert space. <i>Journal of the Franklin Institute</i> , 2011 , 348, 2911-2922	4	15
138	A delay decomposition approach for robust dissipativity and passivity analysis of neutral-type neural networks with leakage time-varying delay. <i>Complexity</i> , 2016 , 21, 248-264	1.6	14
137	Stability criteria for stochastic Takagi-Sugeno fuzzy Cohen-Grossberg BAM neural networks with mixed time-varying delays. <i>Complexity</i> , 2016 , 21, 143-154	1.6	14
136	A new image denoising method using interval-valued intuitionistic fuzzy sets for the removal of impulse noise. <i>Signal Processing</i> , 2016 , 121, 81-93	4.4	14
135	Exponential stability of time-delay systems with nonlinear uncertainties. <i>International Journal of Computer Mathematics</i> , 2010 , 87, 1363-1373	1.2	14
134	Optimal control for stochastic linear quadratic singular system using neural networks. <i>Journal of Process Control</i> , 2009 , 19, 482-488	3.9	14
133	Optimal control for linear singular system using genetic programming. <i>Applied Mathematics and Computation</i> , 2007 , 192, 78-89	2.7	14
132	Controllability for Neutral Stochastic Functional Integrodifferential Infinite Delay Systems in Abstract Space. <i>Numerical Functional Analysis and Optimization</i> , 2007 , 28, 1369-1386	1	14
131	Mean square delay dependent-probability-distribution stability analysis of neutral type stochastic neural networks. <i>ISA Transactions</i> , 2015 , 58, 11-9	5.5	13
130	The Solvability and Optimal Controls for Fractional Stochastic Differential Equations Driven by Poisson Jumps Via Resolvent Operators. <i>Applied Mathematics and Optimization</i> , 2018 , 77, 443-462	1.5	13
129	(mathcal{H}_{\infty}) filtering for sample data systems with stochastic sampling and Markovian jumping parameters. <i>Nonlinear Dynamics</i> , 2014 , 78, 813-830	5	13
128	Delay-dependent Robust Stabilization and H ∞ Control for Uncertain Stochastic T-S Fuzzy Systems with Discrete Interval and Distributed Time-varying Delays. <i>International Journal of Automation and Computing</i> , 2013 , 10, 18-31	3.5	13
127	Robust stability criteria for uncertain neutral type stochastic system with Takagi-Sugeno fuzzy model and Markovian jumping parameters. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 3876-3893	3.7	13
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