

Jun Wang

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

385
papers

17,772
citations

81
h-index

118
g-index

467
ext. papers

21,653
ext. citations

5.6
avg, IF

7.76
L-index

#	Paper	IF	Citations
385	Global asymptotic and robust stability of recurrent neural networks with time delays. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2005 , 52, 417-426		385
384	Global asymptotic stability of a general class of recurrent neural networks with time-varying delays. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2003 , 50, 34-44		382
383	A recurrent neural network for solving Sylvester equation with time-varying coefficients. <i>IEEE Transactions on Neural Networks</i> , 2002 , 13, 1053-63		314
382	Global stability of complex-valued recurrent neural networks with time-delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012 , 23, 853-65	10.3	266
381	Reliable asynchronous sampled-data filtering of TS fuzzy uncertain delayed neural networks with stochastic switched topologies. <i>Fuzzy Sets and Systems</i> , 2020 , 381, 1-25	3.7	237
380	Global exponential stability and periodicity of recurrent neural networks with time delays. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2005 , 52, 920-931		216
379	A projection neural network and its application to constrained optimization problems. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2002 , 49, 447-458		204
378	Global exponential stability of a general class of recurrent neural networks with time-varying delays. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2003 , 50, 1353-1358		201
377	A general projection neural network for solving monotone variational inequalities and related optimization problems. <i>IEEE Transactions on Neural Networks</i> , 2004 , 15, 318-28		200
376	Chaotic time series prediction based on a novel robust echo state network. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012 , 23, 787-99	10.3	196
375	A Second-Order Multi-Agent Network for Bound-Constrained Distributed Optimization. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 3310-3315	5.9	185
374	A simplified dual neural network for quadratic programming with its KWTA application. <i>IEEE Transactions on Neural Networks</i> , 2006 , 17, 1500-10		184
373	Distributed Maneuvering of Autonomous Surface Vehicles Based on Neurodynamic Optimization and Fuzzy Approximation. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 1083-1090	4.8	181
372	Distributed Containment Maneuvering of Multiple Marine Vessels via Neurodynamics-Based Output Feedback. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 3831-3839	8.9	179
371	Output-Feedback Path-Following Control of Autonomous Underwater Vehicles Based on an Extended State Observer and Projection Neural Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 535-544	7.3	177
370	Absolute exponential stability of recurrent neural networks with Lipschitz-continuous activation functions and time delays. <i>Neural Networks</i> , 2004 , 17, 379-90	9.1	175
369	A dual neural network for redundancy resolution of kinematically redundant manipulators subject to joint limits and joint velocity limits. <i>IEEE Transactions on Neural Networks</i> , 2003 , 14, 658-67		175

368	Non-fragile memory filtering of T-S fuzzy delayed neural networks based on switched fuzzy sampled-data control. <i>Fuzzy Sets and Systems</i> , 2020 , 394, 40-64	3.7	175
367	A one-layer recurrent neural network with a discontinuous hard-limiting activation function for quadratic programming. <i>IEEE Transactions on Neural Networks</i> , 2008 , 19, 558-70		173
366	Global exponential dissipativity and stabilization of memristor-based recurrent neural networks with time-varying delays. <i>Neural Networks</i> , 2013 , 48, 158-72	9.1	164
365	Solving pseudomonotone variational inequalities and pseudoconvex optimization problems using the projection neural network. <i>IEEE Transactions on Neural Networks</i> , 2006 , 17, 1487-99		164
364	. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 3089-3101	8.9	162
363	A general methodology for designing globally convergent optimization neural networks. <i>IEEE Transactions on Neural Networks</i> , 1998 , 9, 1331-43		162
362	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2015 , 45, 1077-1086	7.3	153
361	Distributed Optimization Based on a Multiagent System in the Presence of Communication Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 717-728	7.3	152
360	A Multi-Agent System With a Proportional-Integral Protocol for Distributed Constrained Optimization. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 3461-3467	5.9	151
359	A dual neural network for kinematic control of redundant robot manipulators. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2001 , 31, 147-54		147
358	Attractivity analysis of memristor-based cellular neural networks with time-varying delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 704-17	10.3	144
357	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2015 , 45, 235-249	7.3	143
356	A one-layer projection neural network for nonsmooth optimization subject to linear equalities and bound constraints. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 812-24	10.3	143
355	Algebraic criteria for global exponential stability of cellular neural networks with multiple time delays. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2003 , 50, 268-275		140
354	A recurrent neural network for solving nonlinear convex programs subject to linear constraints. <i>IEEE Transactions on Neural Networks</i> , 2005 , 16, 379-86		138
353	An improved dual neural network for solving a class of quadratic programming problems and its k-winners-take-all application. <i>IEEE Transactions on Neural Networks</i> , 2008 , 19, 2022-31		134
352	A recurrent neural network with exponential convergence for solving convex quadratic program and related linear piecewise equations. <i>Neural Networks</i> , 2004 , 17, 1003-15	9.1	134
351	Improved conditions for global exponential stability of recurrent neural networks with time-varying delays. <i>IEEE Transactions on Neural Networks</i> , 2006 , 17, 623-35		133

350	On the Stability of Globally Projected Dynamical Systems. <i>Journal of Optimization Theory and Applications</i> , 2000 , 106, 129-150	1.6	133
349	A deterministic annealing neural network for convex programming. <i>Neural Networks</i> , 1994 , 7, 629-641	9.1	133
348	Obstacle avoidance for kinematically redundant manipulators using a dual neural network. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2004 , 34, 752-9		132
347	Path-Following Control of Autonomous Underwater Vehicles Subject to Velocity and Input Constraints via Neurodynamic Optimization. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8724-8732	8.9	130
346	Constrained Control of Autonomous Underwater Vehicles Based on Command Optimization and Disturbance Estimation. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 3627-3635	8.9	127
345	Almost sure exponential stability of recurrent neural networks with Markovian switching. <i>IEEE Transactions on Neural Networks</i> , 2009 , 20, 840-55		125
344	Multiple Mittag-Leffler Stability of Fractional-Order Recurrent Neural Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 2279-2288	7.3	123
343	A novel recurrent neural network for solving nonlinear optimization problems with inequality constraints. <i>IEEE Transactions on Neural Networks</i> , 2008 , 19, 1340-53		121
342	Synthesis of force-closure grasps on 3-D objects based on the Q distance. <i>IEEE Transactions on Automation Science and Engineering</i> , 2003 , 19, 669-679		120
341	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 176-190	7.3	120
340	. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1993 , 40, 613-618		119
339	Predictor-Based Neural Dynamic Surface Control for Uncertain Nonlinear Systems in Strict-Feedback Form. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 2156-2167	10.3	117
338	A recurrent neural network for nonlinear convex optimization subject to nonlinear inequality constraints. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2004 , 51, 1385-1394		116
337	A recurrent neural network for solving linear projection equations. <i>Neural Networks</i> , 2000 , 13, 337-50	9.1	116
336	Global uniform asymptotic stability of memristor-based recurrent neural networks with time delays 2010 ,		115
335	Global exponential stability and periodic solutions of recurrent neural networks with delays. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002 , 298, 393-404	2.3	113
334	A dual neural network for convex quadratic programming subject to linear equality and inequality constraints. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002 , 298, 271-278	2.3	112
333	Containment Maneuvering of Marine Surface Vehicles With Multiple Parameterized Paths via Spatial-Temporal Decoupling. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017 , 22, 1026-1036	5.5	111

332	Admissible Delay Upper Bounds for Global Asymptotic Stability of Neural Networks With Time-Varying Delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 5319-5329	10.3	111
331	Stochastic switched sampled-data control for synchronization of delayed chaotic neural networks with packet dropout. <i>Applied Mathematics and Computation</i> , 2018 , 335, 211-230	2.7	111
330	Design and analysis of high-capacity associative memories based on a class of discrete-time recurrent neural networks. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 1525-36		110
329	Robustness analysis of global exponential stability of recurrent neural networks in the presence of time delays and random disturbances. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012 , 23, 87-96	10.3	109
328	A Collective Neurodynamic Approach to Distributed Constrained Optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 1747-1758	10.3	106
327	Global exponential synchronization of multiple memristive neural networks with time delay via nonlinear coupling. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 1300-11	10.3	105
326	Design of general projection neural networks for solving monotone linear variational inequalities and linear and quadratic optimization problems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007 , 37, 1414-21		105
325	A one-layer recurrent neural network for constrained pseudoconvex optimization and its application for dynamic portfolio optimization. <i>Neural Networks</i> , 2012 , 26, 99-109	9.1	103
324	. <i>IEEE Journal of Oceanic Engineering</i> , 2012 , 37, 717-726	3.3	103
323	A recurrent neural network for nonlinear optimization with a continuously differentiable objective function and bound constraints. <i>IEEE Transactions on Neural Networks</i> , 2000 , 11, 1251-62		103
322	An improved algebraic criterion for global exponential stability of recurrent neural networks with time-varying delays. <i>IEEE Transactions on Neural Networks</i> , 2008 , 19, 528-31		101
321	New reliable nonuniform sampling control for uncertain chaotic neural networks under Markov switching topologies. <i>Applied Mathematics and Computation</i> , 2019 , 347, 169-193	2.7	101
320	Passivity of switched recurrent neural networks with time-varying delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 357-66	10.3	100
319	A dual neural network for bi-criteria kinematic control of redundant manipulators. <i>IEEE Transactions on Automation Science and Engineering</i> , 2002 , 18, 923-931		98
318	Global asymptotic stability and global exponential stability of neural networks with unbounded time-varying delays. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2005 , 52, 168-173		97
317	Passivity and passification of memristor-based recurrent neural networks with time-varying delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 2099-109	10.3	95
316	Robust model predictive control of nonlinear systems with unmodeled dynamics and bounded uncertainties based on neural networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 457-69	10.3	94
315	Global dissipativity of continuous-time recurrent neural networks with time delay. <i>Physical Review E</i> , 2003 , 68, 016118	2.4	94

314	A recurrent neural network for real-time matrix inversion. <i>Applied Mathematics and Computation</i> , 1993 , 55, 89-100	2.7	93
313	Recurrent Neural Networks for Computing Pseudoinverses of Rank-Deficient Matrices. <i>SIAM Journal of Scientific Computing</i> , 1997 , 18, 1479-1493	2.6	92
312	Complete stability of cellular neural networks with time-varying delays. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2006 , 53, 944-955		90
311	Global exponential stability of recurrent neural networks with time-varying delays in the presence of strong external stimuli. <i>Neural Networks</i> , 2006 , 19, 1528-37	9.1	90
310	Stability analysis of delayed cellular neural networks described using cloning templates. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2004 , 51, 2313-2324		90
309	Nonlinear blind source separation using a radial basis function network. <i>IEEE Transactions on Neural Networks</i> , 2001 , 12, 124-34		89
308	Multiperiodicity and Exponential Attractivity Evoked by Periodic External Inputs in Delayed Cellular Neural Networks. <i>Neural Computation</i> , 2006 , 18, 848-870	2.9	87
307	A dynamic feedforward neural network based on gaussian particle swarm optimization and its application for predictive control. <i>IEEE Transactions on Neural Networks</i> , 2011 , 22, 1457-68		84
306	An Overview of Recent Advances in Coordinated Control of Multiple Autonomous Surface Vehicles. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 732-745	11.9	83
305	Global exponential stability of recurrent neural networks for synthesizing linear feedback control systems via pole assignment. <i>IEEE Transactions on Neural Networks</i> , 2002 , 13, 633-44		81
304	Finite-time convergent recurrent neural network with a hard-limiting activation function for constrained optimization with piecewise-linear objective functions. <i>IEEE Transactions on Neural Networks</i> , 2011 , 22, 601-13		80
303	A primal-dual neural network for online resolving constrained kinematic redundancy in robot motion control. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2005 , 35, 54-64		80
302	Multistability of Recurrent Neural Networks With Nonmonotonic Activation Functions and Mixed Time Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 512-523	7.3	79
301	A one-layer recurrent neural network for support vector machine learning. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2004 , 34, 1261-9		78
300	A Bi-Projection Neural Network for Solving Constrained Quadratic Optimization Problems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 214-24	10.3	77
299	A one-layer recurrent neural network for constrained nonsmooth optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011 , 41, 1323-33		77
298	Single point iterative weighted fuzzy C-means clustering algorithm for remote sensing image segmentation. <i>Pattern Recognition</i> , 2009 , 42, 2527-2540	7.7	77
297	A Lagrangian network for kinematic control of redundant robot manipulators. <i>IEEE Transactions on Neural Networks</i> , 1999 , 10, 1123-32		76

296	Cooperative Dynamic Positioning of Multiple Marine Offshore Vessels: A Modular Design. <i>IEEE/ASME Transactions on Mechatronics</i> , 2016 , 21, 1210-1221	5.5	75
295	Noise-Induced Stabilization of the Recurrent Neural Networks With Mixed Time-Varying Delays and Markovian-Switching Parameters. <i>IEEE Transactions on Neural Networks</i> , 2007 , 18, 1857-1862		74
294	A support vector machine with a hybrid kernel and minimal Vapnik-Chervonenkis dimension. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2004 , 16, 385-395	4.2	72
293	Global asymptotic stability and global exponential stability of delayed cellular neural networks. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2005 , 52, 403-409		71
292	A dual neural network for constrained joint torque optimization of kinematically redundant manipulators. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2002 , 32, 654-62		70
291	A Complex-Valued Projection Neural Network for Constrained Optimization of Real Functions in Complex Variables. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 3227-38	10.3	69
290	. <i>IEEE Transactions on Industrial Informatics</i> , 2012 , 8, 746-756	11.9	69
289	A one-layer recurrent neural network for pseudoconvex optimization subject to linear equality constraints. <i>IEEE Transactions on Neural Networks</i> , 2011 , 22, 1892-900		68
288	A collective neurodynamic optimization approach to bound-constrained nonconvex optimization. <i>Neural Networks</i> , 2014 , 55, 20-9	9.1	67
287	A One-Layer Recurrent Neural Network with a Discontinuous Activation Function for Linear Programming. <i>Neural Computation</i> , 2008 , 20, 1366-1383	2.9	66
286	A Collaborative Neurodynamic Approach to Multiple-Objective Distributed Optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 981-992	10.3	65
285	Global stability of a class of continuous-time recurrent neural networks. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2002 , 49, 1334-1347		65
284	Analysis and design of a k-winners-take-all model with a single state variable and the heaviside step activation function. <i>IEEE Transactions on Neural Networks</i> , 2010 , 21, 1496-506		64
283	A recurrent neural network for solving a class of general variational inequalities. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007 , 37, 528-39		64
282	Event-Triggered Dynamic Surface Control of an Underactuated Autonomous Surface Vehicle for Target Enclosing. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 3402-3412	8.9	64
281	Multiperiodicity of discrete-time delayed neural networks evoked by periodic external inputs. <i>IEEE Transactions on Neural Networks</i> , 2006 , 17, 1141-51		62
280	Grasping-force optimization for multifingered robotic hands using a recurrent neural network. <i>IEEE Transactions on Automation Science and Engineering</i> , 2004 , 20, 549-554		62
279	Real-time tool condition monitoring using wavelet transforms and fuzzy techniques. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2000 , 30, 352-357		62

278	Recurrent neural networks for nonlinear output regulation. <i>Automatica</i> , 2001 , 37, 1161-1173	5.7	60
277	A feedforward neural network for multiple criteria decision making. <i>Computers and Operations Research</i> , 1992 , 19, 151-167	4.6	60
276	A Collective Neurodynamic Approach to Constrained Global Optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 1206-1215	10.3	58
275	A Projection Neural Network for Constrained Quadratic Minimax Optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 2891-900	10.3	58
274	A one-layer recurrent neural network for constrained nonconvex optimization. <i>Neural Networks</i> , 2015 , 61, 10-21	9.1	58
273	L ¹ Minimization Algorithms for Sparse Signal Reconstruction Based on a Projection Neural Network. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 698-707	10.3	58
272	Global exponential periodicity and stability of discrete-time complex-valued recurrent neural networks with time-delays. <i>Neural Networks</i> , 2015 , 66, 119-30	9.1	56
271	Electronic realisation of recurrent neural network for solving simultaneous linear equations. <i>Electronics Letters</i> , 1992 , 28, 493	1.1	56
270	Global Synchronization of Multiple Recurrent Neural Networks With Time Delays via Impulsive Interactions. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 1657-1667	10.3	55
269	Global Synchronization of Coupled Fractional-Order Recurrent Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 2358-2368	10.3	55
268	Delay-dependent robust stability of uncertain nonlinear systems with time delay. <i>Applied Mathematics and Computation</i> , 2004 , 154, 289-297	2.7	54
267	A Neurodynamic Optimization Approach to Bilevel Quadratic Programming. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 2580-2591	10.3	53
266	Robust pole assignment for synthesizing feedback control systems using recurrent neural networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 383-93	10.3	51
265	Absolute exponential stability of a class of continuous-time recurrent neural networks. <i>IEEE Transactions on Neural Networks</i> , 2003 , 14, 35-45		51
264	Global exponential stability of recurrent neural networks for solving optimization and related problems. <i>IEEE Transactions on Neural Networks</i> , 2000 , 11, 1017-22		51
263	A recurrent neural network for minimum infinity-norm kinematic control of redundant manipulators with an improved problem formulation and reduced architecture complexity. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2001 , 31, 98-105		51
262	Associative memories based on continuous-time cellular neural networks designed using space-invariant cloning templates. <i>Neural Networks</i> , 2009 , 22, 651-7	9.1	50
261	Analysis and design of associative memories based on recurrent neural networks with linear saturation activation functions and time-varying delays. <i>Neural Computation</i> , 2007 , 19, 2149-82	2.9	50

260	Global synchronization of memristive neural networks subject to random disturbances via distributed pinning control. <i>Neural Networks</i> , 2016 , 84, 67-79	9.1	49
259	Global robust stability of a class of discrete-time interval neural networks. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2006 , 53, 129-138		48
258	A recurrent neural network for solving a class of generalized convex optimization problems. <i>Neural Networks</i> , 2013 , 44, 78-86	9.1	47
257	Primal and dual assignment networks. <i>IEEE Transactions on Neural Networks</i> , 1997 , 8, 784-90		46
256	. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2000 , 47, 1258-1263		46
255	One-Layer Continuous-and Discrete-Time Projection Neural Networks for Solving Variational Inequalities and Related Optimization Problems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 1308-1318	10.3	45
254	. <i>IEEE Transactions on Signal Processing</i> , 2002 , 50, 997-1006	4.8	45
253	Stability analysis of delayed neural networks via a new integral inequality. <i>Neural Networks</i> , 2017 , 88, 49-57	9.1	44
252	Global asymptotic stability and global exponential stability of continuous-time recurrent neural networks. <i>IEEE Transactions on Automatic Control</i> , 2002 , 47, 802-807	5.9	44
251	Multistability analysis of a general class of recurrent neural networks with non-monotonic activation functions and time-varying delays. <i>Neural Networks</i> , 2016 , 79, 117-27	9.1	44
250	Two k-winners-take-all networks with discontinuous activation functions. <i>Neural Networks</i> , 2008 , 21, 406-13	9.1	43
249	Recurrent neural networks for minimum infinity-norm kinematic control of redundant manipulators. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 1999 , 29, 269-276		43
248	Recurrent neural networks for solving linear matrix equations. <i>Computers and Mathematics With Applications</i> , 1993 , 26, 23-34	2.7	43
247	A Two-Timescale Duplex Neurodynamic Approach to Mixed-Integer Optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 36-48	10.3	43
246	Global exponential periodicity and global exponential stability of a class of recurrent neural networks with various activation functions and time-varying delays. <i>Neural Networks</i> , 2007 , 20, 1067-80	9.1	42
245	A one-layer recurrent neural network for constrained nonsmooth invex optimization. <i>Neural Networks</i> , 2014 , 50, 79-89	9.1	41
244	Global stability of a class of discrete-time recurrent neural networks. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2002 , 49, 1104-1117		40
243	An LMI approach to global asymptotic stability of the delayed Cohen-Grossberg neural network via nonsmooth analysis. <i>Neural Networks</i> , 2007 , 20, 810-8	9.1	39

242	. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2001 , 48, 1308-1317		39
241	Analysis and design of an analog sorting network. <i>IEEE Transactions on Neural Networks</i> , 1995 , 6, 962-71		39
240	Tube-Based Robust Model Predictive Control of Nonlinear Systems via Collective Neurodynamic Optimization. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 4377-4386	8.9	38
239	A Collaborative Neurodynamic Approach to Multiobjective Optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 5738-5748	10.3	37
238	Global exponential periodicity of a class of recurrent neural networks with oscillating parameters and time-varying delays. <i>IEEE Transactions on Neural Networks</i> , 2005 , 16, 1440-8		36
237	Global asymptotic and exponential stability of a dynamic neural system with asymmetric connection weights. <i>IEEE Transactions on Automatic Control</i> , 2001 , 46, 635-638	5.9	36
236	A Two-Time-Scale Neurodynamic Approach to Constrained Minimax Optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 620-629	10.3	35
235	Low-dimensional recurrent neural network-based Kalman filter for speech enhancement. <i>Neural Networks</i> , 2015 , 67, 131-9	9.1	35
234	A Collective Neurodynamic Optimization Approach to Nonnegative Matrix Factorization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 2344-2356	10.3	35
233	A recurrent neural network for solving the shortest path problem. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1996 , 43, 482-486		35
232	A Two-Timescale Duplex Neurodynamic Approach to Biconvex Optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 2503-2514	10.3	35
231	A collaborative neurodynamic approach to global and combinatorial optimization. <i>Neural Networks</i> , 2019 , 114, 15-27	9.1	34
230	Applying input variables selection technique on input weighted support vector machine modeling for BOF endpoint prediction. <i>Engineering Applications of Artificial Intelligence</i> , 2010 , 23, 1012-1018	7.2	33
229	Global exponential periodicity and global exponential stability of a class of recurrent neural networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004 , 329, 36-48	2.3	33
228	Analogue neural network for solving the assignment problem. <i>Electronics Letters</i> , 1992 , 28, 1047-1050	1.1	33
227	Nonlinear model predictive control based on collective neurodynamic optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 840-50	10.3	32
226	Global output convergence of a class of continuous-time recurrent neural networks with time-varying thresholds. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2004 , 51, 161-167		32
225	Digital hardware realization of a recurrent neural network for solving the assignment problem. <i>Neurocomputing</i> , 2003 , 51, 447-461	5.4	32

224	Grasp analysis and synthesis based on a new quantitative measure. <i>IEEE Transactions on Automation Science and Engineering</i> , 2003 , 19, 942-953		32
223	Constrained motion control of flexible robot manipulators based on recurrent neural networks. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2004 , 34, 1541-52		32
222	Recurrent neural networks for solving linear inequalities and equations. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1999 , 46, 452-462		32
221	Multiple-objective optimisation of machining operations based on neural networks. <i>International Journal of Advanced Manufacturing Technology</i> , 1993 , 8, 235-243	3.2	32
220	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 72-83	8.3	31
219	. <i>IEEE Transactions on Fuzzy Systems</i> , 2014 , 22, 829-839	8.3	31
218	Formation of machine cells and part families: A modified p-median model and a comparative study. <i>International Journal of Production Research</i> , 1997 , 35, 1259-1286	7.8	31
217	Global and robust stability of interval Hopfield neural networks with time-varying delays. <i>International Journal of Neural Systems</i> , 2003 , 13, 171-82	6.2	31
216	Formation of machine cells and part families in cellular manufacturing systems using a linear assignment algorithm. <i>Automatica</i> , 2003 , 39, 1607-1615	5.7	31
215	Output-Feedback Flocking Control of Multiple Autonomous Surface Vehicles Based on Data-Driven Adaptive Extended State Observers. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4611-4622	10.2	31
214	Complete stability of delayed recurrent neural networks with Gaussian activation functions. <i>Neural Networks</i> , 2017 , 85, 21-32	9.1	30
213	A multilayer recurrent neural network for solving continuous-time algebraic Riccati equations. <i>Neural Networks</i> , 1998 , 11, 939-950	9.1	30
212	Two recurrent neural networks for local joint torque optimization of kinematically redundant manipulators. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2000 , 30, 120-8		30
211	A multilayer recurrent neural network for on-line synthesis of minimum-norm linear feedback control systems via pole assignment. <i>Automatica</i> , 1996 , 32, 435-442	5.7	30
210	Blind extraction of singularly mixed source signals. <i>IEEE Transactions on Neural Networks</i> , 2000 , 11, 1413-22		29
209	Asymptotic and Finite-Time Cluster Synchronization of Coupled Fractional-Order Neural Networks With Time Delay. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 4956-4967	10.3	28
208	Multistability of Recurrent Neural Networks With Nonmonotonic Activation Functions and Unbounded Time-Varying Delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 3000-3010	10.3	28
207	Multistability of Switched Neural Networks With Piecewise Linear Activation Functions Under State-Dependent Switching. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 2052-2066	10.3	28

206	Oil Spill Monitoring Based on SAR Remote Sensing Imagery. <i>Aquatic Procedia</i> , 2015 , 3, 112-118		27
205	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2008 , 55, 3514-3527	3.9	27
204	Solving Generally Constrained Generalized Linear Variational Inequalities Using the General Projection Neural Networks. <i>IEEE Transactions on Neural Networks</i> , 2007 , 18, 1697-1708		27
203	A discrete-time recurrent neural network for shortest-path routing. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 2129-2134	5.9	27
202	A sensor-based accelerated approach for multi-attribute machinability and tool life evaluation. <i>International Journal of Production Research</i> , 1990 , 28, 2373-2392	7.8	27
201	Neurodynamics-Based Robust Pole Assignment for High-Order Descriptor Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 2962-71	10.3	26
200	Convergence and attractivity of memristor-based cellular neural networks with time delays. <i>Neural Networks</i> , 2015 , 63, 223-33	9.1	26
199	Primal and dual neural networks for shortest-path routing. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 1998 , 28, 864-869		26
198	Novel stability criteria for delayed cellular neural networks. <i>International Journal of Neural Systems</i> , 2003 , 13, 367-75	6.2	26
197	Global exponential stability of continuous-time interval neural networks. <i>Physical Review E</i> , 2002 , 65, 036133	2.4	26
196	Recurrent neural networks for linear programming: Analysis and design principles. <i>Computers and Operations Research</i> , 1992 , 19, 297-311	4.6	25
195	Global synchronization of stochastically disturbed memristive neurodynamics via discontinuous control laws. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2016 , 3, 121-131	7	25
194	A nonnegative matrix factorization algorithm based on a discrete-time projection neural network. <i>Neural Networks</i> , 2018 , 103, 63-71	9.1	24
193	Cooperative/Competitive Multiagent Systems for Distributed Minimax Optimization Subject to Bounded Constraints. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 1358-1372	5.9	24
192	Solving simultaneous linear equations using recurrent neural networks. <i>Information Sciences</i> , 1994 , 76, 255-277	7.7	24
191	Recurrent neural network for solving quadratic programming problems with equality constraints. <i>Electronics Letters</i> , 1992 , 28, 1345	1.1	24
190	Nonlinear blind source separation using higher order statistics and a genetic algorithm. <i>IEEE Transactions on Evolutionary Computation</i> , 2001 , 5, 600-612	15.6	23
189	Minimax and Biobjective Portfolio Selection Based on Collaborative Neurodynamic Optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 2825-2836	10.3	21

188	Analysis and design of primal-dual assignment networks. <i>IEEE Transactions on Neural Networks</i> , 1998 , 9, 183-94		21
187	A systematic method for analyzing robust stability of interval neural networks with time-delays based on stability criteria. <i>Neural Networks</i> , 2014 , 54, 112-22	9.1	20
186	Classification of PolSAR Images Based on Adaptive Nonlocal Stacked Sparse Autoencoder. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018 , 15, 1050-1054	4.1	20
185	Robust Regression Estimation Based on Low-Dimensional Recurrent Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 5935-5946	10.3	18
184	Model predictive control of servo motor driven constant pump hydraulic system in injection molding process based on neurodynamic optimization. <i>Journal of Zhejiang University: Science C</i> , 2014 , 15, 139-146		18
183	Efficient Euclidean distance transform algorithm of binary images in arbitrary dimensions. <i>Pattern Recognition</i> , 2013 , 46, 230-242	7.7	18
182	A novel genetic programming based morphological image analysis algorithm 2010 ,		18
181	A gradient flow approach to on-line robust pole assignment for synthesizing output feedback control systems. <i>Automatica</i> , 2002 , 38, 1959-1968	5.7	18
180	Multicriteria order acceptance decision support in over-demanded job shops: A neural network approach. <i>Mathematical and Computer Modelling</i> , 1994 , 19, 1-19		18
179	Artificial neural networks versus natural neural networks. <i>Decision Support Systems</i> , 1994 , 11, 415-429	5.6	18
178	Analogue winner-take-all neural networks for determining maximum and minimum signals. <i>International Journal of Electronics</i> , 1994 , 77, 355-367	1.2	18
177	Two Projection Neural Networks With Reduced Model Complexity for Nonlinear Programming. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 2020-2029	10.3	18
176	Multistability of Delayed Recurrent Neural Networks with Mexican Hat Activation Functions. <i>Neural Computation</i> , 2017 , 29, 423-457	2.9	17
175	Task Assignment for Multivehicle Systems Based on Collaborative Neurodynamic Optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 1145-1154	10.3	17
174	Recurrent neural networks for LU decomposition and Cholesky factorization. <i>Mathematical and Computer Modelling</i> , 1993 , 18, 1-8		16
173	Multistability of switched neural networks with sigmoidal activation functions under state-dependent switching. <i>Neural Networks</i> , 2020 , 122, 239-252	9.1	16
172	Robustness of Global Exponential Stability of Nonlinear Systems With Random Disturbances and Time Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 1157-1166	7.3	15
171	Solving the assignment problem using continuous-time and discrete-time improved dual networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012 , 23, 821-7	10.3	15

170	Augmented gradient flows for on-line robust pole assignment via state and output feedback. <i>Automatica</i> , 2002 , 38, 279-286	5.7	15
169	Multistability of Recurrent Neural Networks With Piecewise-Linear Radial Basis Functions and State-Dependent Switching Parameters. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 4458-4471	7.3	15
168	Model predictive control for nonlinear affine systems based on the simplified dual neural network 2009 ,		14
167	Two neural network approaches to model predictive control 2008 ,		14
166	A linear assignment clustering algorithm based on the least similar cluster representatives. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 1999 , 29, 100-104		14
165	Cardinality-constrained portfolio selection based on collaborative neurodynamic optimization. <i>Neural Networks</i> , 2022 , 145, 68-79	9.1	14
164	ON THE ASYMPTOTIC PROPERTIES OF RECURRENT NEURAL NETWORKS FOR OPTIMIZATION. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 1991 , 05, 581-601	1.1	13
163	Recurrent neural networks for solving systems of complex-valued linear equations. <i>Electronics Letters</i> , 1992 , 28, 1751	1.1	13
162	A linear assignment algorithm for formation of machine cells and part families in cellular manufacturing. <i>Computers and Industrial Engineering</i> , 1998 , 35, 81-84	6.4	12
161	A multistage self-organizing algorithm combined transiently chaotic neural network for cellular channel assignment. <i>IEEE Transactions on Vehicular Technology</i> , 2002 , 51, 1386-1396	6.8	12
160	A neural network approach to multiple-objective cutting parameter optimization based on fuzzy preference information. <i>Computers and Industrial Engineering</i> , 1993 , 25, 389-392	6.4	12
159	Data-Driven Adaptive Disturbance Observers for Model-Free Trajectory Tracking Control of Maritime Autonomous Surface Ships. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 5584-5594	10.3	12
158	. <i>IEEE Transactions on Control of Network Systems</i> , 2015 , 2, 382-392	4	11
157	A One-Layer Recurrent Neural Network for Non-smooth Convex Optimization Subject to Linear Equality Constraints. <i>Lecture Notes in Computer Science</i> , 2009 , 1003-1010	0.9	11
156	A neural network approach to modeling fuzzy preference relations for multiple criteria decision making. <i>Computers and Operations Research</i> , 1994 , 21, 991-1000	4.6	11
155	A neurodynamic optimization approach to constrained sparsity maximization based on alternative objective functions 2010 ,		10
154	Blind source extraction from convolutive mixtures in ill-conditioned multi-input multi-output channels. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2004 , 51, 1814-1822		10
153	A proof of Kaszkurewicz and BhayaW/conjecture on absolute stability of neural networks in two-neuron case. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2000 , 47, 609-611		10

152	On stabilization of a new class of linear time-invariant interval systems via constant state feedback control. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 2106-2111	5.9	10
151	Recurrent neural networks for synthesizing linear control systems via pole placement. <i>International Journal of Systems Science</i> , 1995 , 26, 2369-2382	2.3	10
150	Global Exponential Synchronization of Coupled Delayed Memristive Neural Networks With Reaction-Diffusion Terms via Distributed Pinning Controls. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 105-116	10.3	10
149	Consensus of Heterogeneous Nonlinear Multiagent Systems With Duplex Control Laws. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 5140-5147	5.9	9
148	Quadratic stabilizability of a new class of linear systems with structural independent time-varying uncertainty. <i>Automatica</i> , 2001 , 37, 51-59	5.7	9
147	A recurrent neural network for computing pseudoinverse matrices. <i>Mathematical and Computer Modelling</i> , 1994 , 20, 13-21		9
146	Characterization of training errors in supervised learning using gradient-based rules. <i>Neural Networks</i> , 1993 , 6, 1073-1087	9.1	9
145	Multiple-Target Surrounding and Collision Avoidance With Second-Order Nonlinear Multiagent Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 7454-7463	8.9	9
144	Robustness analysis of global exponential stability of non-linear systems with time delays and neutral terms. <i>IET Control Theory and Applications</i> , 2013 , 7, 1227-1232	2.5	8
143	Robust model predictive control of nonlinear affine systems based on a two-layer recurrent neural network 2011 ,		8
142	Neural networks for solving least absolute and related problems. <i>Neurocomputing</i> , 1998 , 19, 13-21	5.4	8
141	Multilayer recurrent neural networks for online robust pole assignment. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2003 , 50, 1488-1494		8
140	A primal-dual neural network for kinematic control of redundant manipulators subject to joint velocity constraints		8
139	Bicriteria Sparse Nonnegative Matrix Factorization via Two-Timescale Duplex Neurodynamic Optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	8
138	Neurodynamics-Based Model Predictive Control of Continuous-Time Under-Actuated Mechatronic Systems. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020 , 1-1	5.5	8
137	Target recognition of floating raft aquaculture in SAR image based on statistical region merging 2017 ,		7
136	A neurodynamic optimization approach to nonlinear model predictive control 2010 ,		7
135	Blind Source Separation Based on Cumulants With Time and Frequency Non-Properties. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2009 , 17, 1099-1108		7

134	Efficient Euclidean distance transform using perpendicular bisector segmentation 2011 ,		7
133	Motion planning with obstacle avoidance for kinematically redundant manipulators based on two recurrent neural networks 2009 ,		7
132	Convergence of a Recurrent Neural Network for Nonconvex Optimization Based on an Augmented Lagrangian Function. <i>Lecture Notes in Computer Science</i> , 2007 , 194-203	0.9	7
131	A recurrent neural network for real-time semidefinite programming. <i>IEEE Transactions on Neural Networks</i> , 1999 , 10, 81-93		7
130	Neurally-inspired stochastic algorithm for determining multi-stage multi-attribute sampling inspection plans. <i>Journal of Intelligent Manufacturing</i> , 1991 , 2, 327-336	6.7	7
129	A One-Layer Dual Recurrent Neural Network with a Heaviside Step Activation Function for Linear Programming with Its Linear Assignment Application. <i>Lecture Notes in Computer Science</i> , 2011 , 253-260	0.9	7
128	Two-timescale neurodynamic approaches to supervised feature selection based on alternative problem formulations. <i>Neural Networks</i> , 2021 , 142, 180-191	9.1	7
127	Spatial valley separation in strained graphene pn junction. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 385401	1.8	6
126	Robust Model Predictive Control Using a Discrete-Time Recurrent Neural Network. <i>Lecture Notes in Computer Science</i> , 2008 , 883-892	0.9	6
125	Blind-Source Separation Based on Decorrelation and Nonstationarity. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2007 , 54, 1150-1158		6
124	A Recurrent Neural Network for Non-smooth Convex Programming Subject to Linear Equality and Bound Constraints. <i>Lecture Notes in Computer Science</i> , 2006 , 1004-1013	0.9	6
123	A network model for blind source extraction in various ill-conditioned cases. <i>Neural Networks</i> , 2005 , 18, 1348-56	9.1	6
122	Scalable and Resilient Platooning Control of Cooperative Automated Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	6
121	Multiple and Complete Stability of Recurrent Neural Networks With Sinusoidal Activation Function. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 229-240	10.3	6
120	An Efficient Sparse Bayesian Learning Algorithm Based on Gaussian-Scale Mixtures. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	6
119	A Delayed Lagrangian Network for Solving Quadratic Programming Problems with Equality Constraints. <i>Lecture Notes in Computer Science</i> , 2006 , 369-378	0.9	6
118	Kinematic Control and Obstacle Avoidance for Redundant Manipulators Using a Recurrent Neural Network. <i>Lecture Notes in Computer Science</i> , 2001 , 922-929	0.9	6
117	An EEG-Based brain-computer interface for emotion recognition 2016 ,		5

116	Model Predictive Synchronous Control of Barrel Temperature for Injection Molding Machine Based on Diagonal Recurrent Neural Networks. <i>Materials and Manufacturing Processes</i> , 2012 , 28, 24-30	4.1	5
115	Model predictive control of underwater gliders based on a one-layer recurrent neural network 2013 ,		5
114	A K-Winners-Take-All Neural Network Based on Linear Programming Formulation. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007 ,		5
113	An improved particle swarm optimizer with momentum 2007 ,		5
112	Obstacle Avoidance for Kinematically Redundant Manipulators Using the Deterministic Annealing Neural Network. <i>Lecture Notes in Computer Science</i> , 2005 , 240-246	0.9	5
111	Formation of machine cells and part families in cellular manufacturing: An experimental study. <i>Computers and Industrial Engineering</i> , 1995 , 29, 567-571	6.4	5
110	Neural networks and operations research/management science. <i>European Journal of Operational Research</i> , 1996 , 93, 227-229	5.6	5
109	A Dual Neural Network for Bi-criteria Torque Optimization of Redundant Robot Manipulators. <i>Lecture Notes in Computer Science</i> , 2004 , 1142-1147	0.9	5
108	Parametric Sensitivity and Scalability of k-Winners-Take-All Networks with a Single State Variable and Infinity-Gain Activation Functions. <i>Lecture Notes in Computer Science</i> , 2010 , 77-85	0.9	5
107	A neurodynamic optimization approach to supervised feature selection via fractional programming. <i>Neural Networks</i> , 2021 , 136, 194-206	9.1	5
106	An Overview of the Stability Analysis of Recurrent Neural Networks With Multiple Equilibria. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	5
105	A two-layer recurrent neural network for kinematic control of redundant manipulators		4
104	A one-layer recurrent neural network for convex programming 2008 ,		4
103	On-line learning of dynamical systems in the presence of model mismatch and disturbances. <i>IEEE Transactions on Neural Networks</i> , 2000 , 11, 1272-83		4
102	A dual neural network solving quadratic programming problems		4
101	A neural network approach to multiple criteria decision making based on fuzzy preference information. <i>Information Sciences</i> , 1994 , 78, 293-302	7.7	4
100	Solving Variational Inequality Problems with Linear Constraints Based on a Novel Recurrent Neural Network. <i>Lecture Notes in Computer Science</i> , 2007 , 95-104	0.9	4
99	Efficient feature extraction framework for EEG signals classification 2016 ,		4

98	Superpixel-based sparse representation classifier for hyperspectral image 2016 ,		4
97	Decentralized Robust Portfolio Optimization Based on Cooperative-Competitive Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	4
96	Safety-Critical Containment Maneuvering of Underactuated Autonomous Surface Vehicles Based on Neurodynamic Optimization With Control Barrier Functions. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	4
95	Disturbance observers and extended state observers for marine vehicles: A survey. <i>Control Engineering Practice</i> , 2022 , 123, 105158	3.9	4
94	Neurodynamics 2015 , 607-648		3
93	Multiple-objective optimization based on a two-time-scale neurodynamic system 2016 ,		3
92	Oil spill GF-1 remote sensing image segmentation using an evolutionary feedforward neural network 2014 ,		3
91	Solving the Assignment Problem with the Improved Dual Neural Network. <i>Lecture Notes in Computer Science</i> , 2011 , 547-556	0.9	3
90	A neural network approach to nonlinear model predictive control 2011 ,		3
89	Information retrieval from large data sets via multiple-winners-take-all 2011 ,		3
88	Algebraic conditions of stability for Hopfield neural network. <i>Science in China Series F: Information Sciences</i> , 2004 , 47, 113		3
87	A recurrent neural network for online design of robust optimal filters. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2000 , 47, 921-926		3
86	Multilayer recurrent neural networks for on-line synthesis of asymptotic state estimators for linear dynamic systems. <i>International Journal of Systems Science</i> , 1995 , 26, 1205-1222	2.3	3
85	COMPUTING OPTICAL FLOW WITH A RECURRENT NEURAL NETWORK. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 1993 , 07, 801-814	1.1	3
84	Tool requirement planning in stochastic job shops: A simulated annealing approach. <i>Computers and Industrial Engineering</i> , 1993 , 24, 249-265	6.4	3
83	MDOAU-net: A Lightweight and Robust Deep Learning Model for SAR Image Segmentation in Aquaculture Raft Monitoring. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022 , 1-1	4.1	3
82	Recurrent Neural Networks for Optimization. <i>International Series on Computational Intelligence</i> , 1999 ,		3
81	Multivehicle Task Assignment Based on Collaborative Neurodynamic Optimization With Discrete Hopfield Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 5274-5286	10.3	3

80	Matrix-Form Neural Networks for Complex-Variable Basis Pursuit Problem With Application to Sparse Signal Reconstruction. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	3
79	Advances in Line-of-Sight Guidance for Path Following of Autonomous Marine Vehicles: An Overview. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 1-17	7.3	3
78	Multivariate time series online prediction based on adaptive normalized sparse kernel recursive least squares algorithm 2017 ,		2
77	A Collaborative Neurodynamic Optimization Approach to Bicriteria Portfolio Selection. <i>Lecture Notes in Computer Science</i> , 2019 , 318-327	0.9	2
76	Model predictive control of multi-robot formation based on the simplified dual neural network 2014 ,		2
75	Machine-cell and Part-family Formation in Cellular Manufacturing Using a Two-phase Clustering Algorithm. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 2605-2610		2
74	Stochastic model predictive control of Markov jump linear systems based on a two-layer recurrent neural network 2013 ,		2
73	UAV path planning based on receding horizon control with adaptive strategy 2017 ,		2
72	A two-pass clustering algorithm based on linear assignment initialization and k-means method 2012 ,		2
71	Analysis and synthesis of associative memories based on Brain-State-in-a-Box neural networks 2009 ,		2
70	Bi-criteria torque optimization of redundant manipulators based on a simplified dual neural network		2
69	Obstacle avoidance of redundant manipulators using a dual neural network		2
68	Blind adaptive multiuser detection using a recurrent neural network		2
67	A discrete-time Lagrangian network for solving constrained quadratic programs. <i>International Journal of Neural Systems</i> , 2000 , 10, 261-5	6.2	2
66	Primal neural networks for solving convex quadratic programs		2
65	On-line path planning for autonomous mobile robots using recurrent neural networks. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1999 , 32, 599-604		2
64	Multiperiodicity and exponential attractivity evoked by periodic external inputs in delayed cellular neural networks. <i>Neural Computation</i> , 2006 , 18, 848-70	2.9	2
63	Two-Timescale Multilayer Recurrent Neural Networks for Nonlinear Programming. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , PP,	10.3	2

62	Real-time Motion Planning of Kinematically Redundant Manipulators Using Recurrent Neural Networks 2009 , 169-193		2
61	Task Assignment Based on a Dual Neural Network. <i>Lecture Notes in Computer Science</i> , 2018 , 686-694	0.9	2
60	Multilayer Recurrent Neural Networks for Synthesizing and Tuning Linear Control Systems via Pole Assignment. <i>Neural Network Systems Techniques and Applications</i> , 1998 , 75-126		2
59	SAR image unsupervised segmentation based on a modified fuzzy C-means algorithm 2016 ,		2
58	A Collaborative Neurodynamic Approach to Symmetric Nonnegative Matrix Factorization. <i>Lecture Notes in Computer Science</i> , 2018 , 453-462	0.9	2
57	Multi-periodicity of switched neural networks with time delays and periodic external inputs under stochastic disturbances. <i>Neural Networks</i> , 2021 , 141, 107-119	9.1	2
56	Sparse Bayesian Learning Based on Collaborative Neurodynamic Optimization. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	2
55	Hash Bit Selection via Collaborative Neurodynamic Optimization With Discrete Hopfield Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	2
54	Polarimetric SAR image segmentation based on spatially constrained kernel fuzzy C-means clustering 2015 ,		1
53	Alternative Mutation Operators in Collaborative Neurodynamic Optimization 2020 ,		1
52	Containment maneuvering of marine surface vessels 2016 ,		1
51	A two-time-scale neurodynamic approach to robust pole assignment 2016 ,		1
50	EEG Signals Classification Based on Wavelet Packet and Ensemble Extreme Learning Machine 2015 ,		1
49	Nonlinear and Robust Model Predictive Control of Systems with Unmodeled Dynamics Based on Supervised Learning and Neurodynamic Optimization 2014 , 193-219		1
48	Vehicle suspension vibration control using recurrent neural networks 2014 ,		1
47	Containment control of networked autonomous underwater vehicles guided by multiple leaders using predictor-based neural DSC approach 2014 ,		1
46	Obstacle and singularity avoidance for kinematically redundant manipulators based on neurodynamic optimization 2014 ,		1
45	A neurodynamic approach to bicriteria model predictive control of nonlinear affine systems based on a Goal Programming formulation 2012 ,		1

44	IMPROVED BLIND SOURCE EXTRACTION FOR TIME DELAY ESTIMATE IN PASSIVE COHERENT LOCATION SYSTEM. <i>Progress in Electromagnetics Research B</i> , 2012 , 37, 257-274	0.7	1
43	Neurodynamic optimization approaches to robust pole assignment based on alternative robustness measures 2013 ,		1
42	Recurrent Neural Networks with Discontinuous Activation Functions for Convex Optimization. <i>Series in Machine Perception and Artificial Intelligence</i> , 2011 , 95-119	0.3	1
41	A one-layer recurrent neural network for constrained single-ratio linear fractional programming 2011 ,		1
40	Nonlinear model predictive control using a recurrent neural network 2008 ,		1
39	A One-layer Recurrent Neural Network with a Unipolar Hard-limiting Activation Function for k-Winners-Take-All Operation. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007 ,		1
38	A general projection neural network for solving optimization and related problems		1
37	Differential-Algebraic Approach to Linear Programming. <i>Journal of Optimization Theory and Applications</i> , 2002 , 114, 443-470	1.6	1
36	Recurrent Neural Networks for Nonlinear Output Regulation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2001 , 34, 597-602		1
35	Architecture and design of a hardware accelerator for efficient 3D object recognition using the LC method. <i>Information Sciences</i> , 2001 , 131, 1-18	7.7	1
34	Neural network realization of support vector methods for pattern classification 2000 ,		1
33	COMPUTING OPTICAL FLOW WITH A RECURRENT NEURAL NETWORK. <i>Series in Machine Perception and Artificial Intelligence</i> , 1994 , 157-170	0.3	1
32	Finite-Time and Fixed-Time Synchronization of Coupled Switched Neural Networks Subject to Stochastic Disturbances. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 1-13	7.3	1
31	Solving the k-Winners-Take-All Problem and the Oligopoly Cournot-Nash Equilibrium Problem Using the General Projection Neural Networks. <i>Lecture Notes in Computer Science</i> , 2007 , 703-712	0.9	1
30	Event-Triggered Synchronization of Multiple Fractional-Order Recurrent Neural Networks With Time-Varying Delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	1
29	Neurodynamics-Based Receding Horizon Control of an HVAC System. <i>Lecture Notes in Computer Science</i> , 2019 , 120-128	0.9	1
28	A Collaborative Neurodynamic Approach to Sparse Coding. <i>Lecture Notes in Computer Science</i> , 2019 , 454-462	0.9	1
27	Multistability and Multiperiodicity Analysis of Complex-Valued Neural Networks. <i>Lecture Notes in Computer Science</i> , 2014 , 59-68	0.9	1

26	A Neurodynamic Optimization Approach to Bilevel Linear Programming. <i>Lecture Notes in Computer Science</i> , 2015 , 418-425	0.9	1
25	Obstacle Avoidance for Kinematically Redundant Manipulators Based on Recurrent Neural Networks. <i>Lecture Notes in Computer Science</i> , 2008 , 10-13	0.9	1
24	Two-step MPC for systems with input non-linearity and norm-bounded disturbance. <i>IET Control Theory and Applications</i> , 2019 , 13, 183-190	2.5	1
23	Spectral-spatial Classification of Hyperspectral Image Based on Locality Preserving Discriminant Analysis. <i>Lecture Notes in Computer Science</i> , 2016 , 21-29	0.9	1
22	A Collective Neurodynamic Optimization Approach to Nonnegative Tensor Decomposition. <i>Lecture Notes in Computer Science</i> , 2017 , 207-213	0.9	1
21	A Two-Timescale Neurodynamic Approach to Minimax Portfolio Optimization 2021 ,		1
20	Sparse Nonnegative Matrix Factorization Based on Collaborative Neurodynamic Optimization 2019 ,		1
19	Neurodynamics-Based Distributed Receding Horizon Trajectory Generation for Autonomous Surface Vehicles. <i>Lecture Notes in Computer Science</i> , 2018 , 155-167	0.9	1
18	A Neurodynamic Approach to Multiobjective Linear Programming. <i>Lecture Notes in Computer Science</i> , 2018 , 11-18	0.9	1
17	A Discrete-Time Neurodynamic Approach to Sparsity-Constrained Nonnegative Matrix Factorization. <i>Neural Computation</i> , 2020 , 32, 1531-1562	2.9	0
16	A one-layer recurrent neural network for nonsmooth pseudoconvex optimization with quasiconvex inequality and affine equality constraints.. <i>Neural Networks</i> , 2021 , 147, 1-9	9.1	0
15	An Analog Circuit Design for k-Winners-Take-All Operations. <i>Lecture Notes in Computer Science</i> , 2018 , 666-675	0.9	0
14	A Neurodynamic Optimization Approach to Robust Pole Assignment for Synthesizing Linear Control Systems Based on a Convex Feasibility Problem Reformulation. <i>Lecture Notes in Computer Science</i> , 2013 , 284-291	0.9	0
13	Balanced clustering based on collaborative neurodynamic optimization. <i>Knowledge-Based Systems</i> , 2022 , 109026	7.3	0
12	Neurodynamics 2013 , 561-577		
11	Blind Identification and Signal Separation of Two-Input Two-Output FIR Systems. <i>Multidimensional Systems and Signal Processing</i> , 1998 , 9, 307-320	1.8	
10	A MULTILAYER RECURRENT NEURAL NETWORK FOR REAL-TIME ROBUST POLE ASSIGNMENT IN SYNTHESIZING OUTPUT FEEDBACK CONTROL SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2002 , 35, 271-276		
9	A two-layer recurrent neural network for redundancy resolution of manipulators through joint torque minimization. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1999 , 32, 5129-5134		

- 8 Dynamically Weighted Model Predictive Control of Affine Nonlinear Systems Based on Two-Timescale Neurodynamic Optimization. *Lecture Notes in Computer Science*, **2020**, 96-105 0.9
- 7 Solving Extended Linear Programming Problems Using a Class of Recurrent Neural Networks. *Lecture Notes in Computer Science*, **2006**, 994-1003 0.9
- 6 Associative Memories Based on Discrete-Time Cellular Neural Networks with One-Dimensional Space-Invariant Templates. *Lecture Notes in Computer Science*, **2006**, 824-829 0.9
- 5 State Estimation for Autonomous Surface Vehicles Based on Echo State Networks. *Lecture Notes in Computer Science*, **2017**, 127-134 0.9
- 4 Saturated Kinetic Control of Autonomous Surface Vehicles Based on Neural Networks. *Lecture Notes in Computer Science*, **2017**, 93-100 0.9
- 3 Global Exponential Stability of Recurrent Neural Networks with Time-Dependent Switching Dynamics. *Lecture Notes in Computer Science*, **2009**, 583-592 0.9
- 2 A One-Layer Dual Neural Network with a Unipolar Hard-Limiting Activation Function for Shortest-Path Routing. *Lecture Notes in Computer Science*, **2010**, 498-505 0.9
- 1 PolSAR Image Segmentation Based on the Modified Non-negative Matrix Factorization and Support Vector Machine. *Lecture Notes in Computer Science*, **2014**, 594-601 0.9