C J Harris

List of Publications by Year
in descending order

33	879	567281	477307
papers	citations	15	29
		h-index	g-index

35	35	35	420
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Fourier transform spectrometer for the vacuum ultraviolet: design and performance. Journal of Physics E: Scientific Instruments, 1987, 20, 54-60.	0.7	128
2	NARX-Based Nonlinear System Identification Using Orthogonal Least Squares Basis Hunting. IEEE Transactions on Control Systems Technology, 2008, 16, 78-84.	5.2	69
3	Precision Fe i and Fe ii wavelengths in the ultraviolet spectrum of the iron–neon hollow-cathode lamp. Journal of the Optical Society of America B: Optical Physics, 1991, 8, 2028.	2.1	62
4	Fuzzy local linearization and local basis function expansion in nonlinear system modeling. IEEE Transactions on Systems, Man, and Cybernetics, 1999, 29, 559-565.	5.0	62
5	Nonlinear model structure design and construction using orthogonal least squares and D-optimality design. IEEE Transactions on Neural Networks, 2002, 13, 1245-1250.	4.2	53
6	The relevance vector machine technique for channel equalization application. IEEE Transactions on Neural Networks, 2001, 12, 1529-1532.	4.2	47
7	Nonlinear model structure detection using optimum experimental design and orthogonal least squares. IEEE Transactions on Neural Networks, 2001, 12, 435-439.	4.2	36
8	A Nonlinear Adaptive Controller: A Comparison between Fuzzy Logic Control and Neurocontrol. IMA Journal of Mathematical Control and Information, 1991, 8, 239-265.	1.7	25
9	Simulation of multivariable non-linear stochastic systems. International Journal for Numerical Methods in Engineering, 1979, 14, 37-50.	2.8	24
10	Kernel Classifier Construction Using Orthogonal Forward Selection and Boosting With Fisher Ratio Class Separability Measure. IEEE Transactions on Neural Networks, 2006, 17, 1652-1656.	4.2	24
11	A fast linear-in-the-parameters classifier construction algorithm using orthogonal forward selection to minimize leave-one-out misclassification rate. International Journal of Systems Science, 2008, 39, 119-125.	5.5	22
12	Experimental design and model construction algorithms for radial basis function networks. International Journal of Systems Science, 2003, 34, 733-745.	5.5	18
13	One-to-one mapping and its application to neural networks based control systems design. International Journal of Systems Science, 1996, 27, 161-170.	5.5	17
14	Modelling and control of nonlinear, operating point dependent systems via associative memory networks. Journal of Dynamical and Control Systems, 1996, 6, 199-218.	0.4	17
15	Generalized neurofuzzy network modeling algorithms using Bezier-Bernstein polynomial functions and additive decomposition. IEEE Transactions on Neural Networks, 2000, 11, 889-902.	4.2	17
16	On the convergence rate performance of the normalized least-mean-square adaptation. IEEE Transactions on Neural Networks, 1997, 8, 1211-1214.	4.2	16
17	Nyquist criterion for input/output stability of multivariable systems. International Journal of Control, 1980, 31, 917-935.	1.9	14
18	A neurofuzzy approach to future intelligent driver support systems. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 1998, 212, 43-58.	1.9	10

#	Article	IF	Citations
19	Feedback stabilization of fuzzy systems via linear matrix inequalities. International Journal of Systems Science, 2001, 32, 221-231.	5.5	10
20	Identification of non-linear time series via kernels. International Journal of Systems Science, 2002, 33, 737-750.	5.5	9
21	Fast Kernel Classifier Construction Using Orthogonal Forward Selection to Minimise Leave-One-Out Misclassification Rate. Lecture Notes in Computer Science, 2006, , 106-114.	1.3	9
22	An intelligent guidance and control system for ship obstacle avoidance. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 1999, 213, 311-320.	1.0	8
23	A global gradient-noise covariance expression for stationary real Gaussian inputs. IEEE Transactions on Neural Networks, 1995, 6, 1549-1551.	4.2	6
24	Adaptive nonlinear least bit error-rate detection for symmetrical RBF beamforming. Neural Networks, 2008, 21, 358-367.	5.9	5
25	Evaluation of matrix polynomials in the state companion matrix of linear time invariant systems. International Journal of Systems Science, 1973, 4, 301-307.	5.5	3
26	Auto-Tuning of Low-Order Controllers by Direct Manipulation of Closed-Loop Time Domain Measures. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 1996, 210, 13-30.	1.0	2
27	Errata to "The relevance vector machine technique for channel equalization application". IEEE Transactions on Neural Networks, 2002, 13, 1024.	4.2	2
28	Intelligent Neurofuzzy Estimators and Multisensor Data Fusion. , 1997, , 283-303.		2
29	Adaptive linear finite-element method for modelling nonlinear dynamic systems. International Journal of Systems Science, 2000, 31, 1241-1248.	5.5	1
30	An adaptive multiscale basis method for modelling discrete-time non-linear dynamical systems. International Journal of Control, 2002, 75, 141-153.	1.9	1
31	Evaluation of the state transition matrix for linear time invariant systems. International Journal of Systems Science, 1975, 6, 107-116.	5.5	0
32	Neurofuzzy control using Kalman filtering state feedback with coloured noise for unknown non-linear processes. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2001, 215, 423-435.	1.0	0
33	Construction of Radial Basis Function Networks with Diversified Topologies. , 2012, , 251-270.		0