

# C J Harris

## List of Publications by Year in descending order

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33  
papers

879  
citations

567281

15  
h-index

477307

29  
g-index

35  
all docs

35  
docs citations

35  
times ranked

420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of Radial Basis Function Networks with Diversified Topologies. , 2012, , 251-270.		0
2	Adaptive nonlinear least bit error-rate detection for symmetrical RBF beamforming. Neural Networks, 2008, 21, 358-367.	5.9	5
3	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
4	NARX-Based Nonlinear System Identification Using Orthogonal Least Squares Basis Hunting. IEEE Transactions on Control Systems Technology, 2008, 16, 78-84.	5.2	69
5	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
6	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
7	Experimental design and model construction algorithms for radial basis function networks. International Journal of Systems Science, 2003, 34, 733-745.	5.5	18
8	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
9	Errata to "The relevance vector machine technique for channel equalization application". IEEE Transactions on Neural Networks, 2002, 13, 1024.	4.2	2
10	Identification of non-linear time series via kernels. International Journal of Systems Science, 2002, 33, 737-750.	5.5	9
11	An adaptive multiscale basis method for modelling discrete-time non-linear dynamical systems. International Journal of Control, 2002, 75, 141-153.	1.9	1
12	Nonlinear model structure detection using optimum experimental design and orthogonal least squares. IEEE Transactions on Neural Networks, 2001, 12, 435-439.	4.2	36
13	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
14	Feedback stabilization of fuzzy systems via linear matrix inequalities. International Journal of Systems Science, 2001, 32, 221-231.	5.5	10
15	The relevance vector machine technique for channel equalization application. IEEE Transactions on Neural Networks, 2001, 12, 1529-1532.	4.2	47
16	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
17	Adaptive linear finite-element method for modelling nonlinear dynamic systems. International Journal of Systems Science, 2000, 31, 1241-1248.	5.5	1
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	On the convergence rate performance of the normalized least-mean-square adaptation. IEEE Transactions on Neural Networks, 1997, 8, 1211-1214.	4.2	16
22	Intelligent Neurofuzzy Estimators and Multisensor Data Fusion. , 1997, , 283-303.		2
23	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
24	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
25	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
26	A global gradient-noise covariance expression for stationary real Gaussian inputs. IEEE Transactions on Neural Networks, 1995, 6, 1549-1551.	4.2	6
27	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
28	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
29	A Fourier transform spectrometer for the vacuum ultraviolet: design and performance. Journal of Physics E: Scientific Instruments, 1987, 20, 54-60.	0.7	128
30	Nyquist criterion for input/output stability of multivariable systems. International Journal of Control, 1980, 31, 917-935.	1.9	14
31	Simulation of multivariable non-linear stochastic systems. International Journal for Numerical Methods in Engineering, 1979, 14, 37-50.	2.8	24
32	Evaluation of the state transition matrix for linear time invariant systems. International Journal of Systems Science, 1975, 6, 107-116.	5.5	0
33	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