HuseyÄ°n Akcay

List of Publications by Year
in descending order

74	906	14	28
papers	citations	h-index	g-index

623734 (above h-index box)
501196 (above g-index box)

74	74	74	456
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wind speed forecasting by subspace and nuclear norm optimization based algorithms. Sustainable Energy Technologies and Assessments, 2019, 35, 139-147.	2.7	11
2	Power spectrum estimation in innovation models. Mechanical Systems and Signal Processing, 2019, 121, 227-245.	8.0	11
3	Subspace-based spectrum estimation in innovation models by mixed norm minimization. Journal of the Franklin Institute, 2019, 356, 3169-3186.	3.4	3
4	Short-Term Wind Speed Forecasting by Spectral Analysis. , 2018, , .		0
5	Power Spectrum Estimation in Innovation Models by Nuclear Norm Optimization. , 2018, , .		0
6	Induction Motor Identification from Acoustic Noise Spectrum by a Covariance Subspace Algorithm. , 2018, , .		3
7	Short-term wind speed forecasting by spectral analysis from long-term observations with missing values. Applied Energy, 2017, 191, 653-662.	10.1	72
8	Wind speed forecasting with missing values. , 2017, , .		2
9	Cramer-Rao bounds for road profile estimation. , 2017, , .		0
10	Spectrum estimation in innovation models by a nuclear norm optimization based algorithm. , 2017, , .		0
11	Parallel track models from road measurements. , 2017, , .		1
12	Spectrum estimation with missing values: A regularized nuclear norm minimization approach. International Journal of Wavelets, Multiresolution and Information Processing, 2016, 14, 1650054.	1.3	4
13	Modelling of road roughness for full-car models: A spectral factorization approach. , 2016, , .		3
14	Road roughness modelling by using spectral factorization methods. , 2016, , .		2
15	Time-domain identification of rational spectra with missing data. , 2016, , .		6
16	Road Roughness Evaluation by Curve-Fitting and Subspace-Identification Methods. Journal of Transportation Engineering, 2016, 142, 04016050.	0.9	8
17	Identification of power spectra by reweighted and regularized nuclear norm minimization. , 2015, , .		2
18	Subspace-based spectrum estimation by reweighted and regularized nuclear norm minimization in frequency-domain. , 2015, , .		1

#	Article	IF	Citations
19	Positive realness in stochastic subspace identification: A regularized and reweighted nuclear norm minimization approach. , 2015, , .		16
20	Road profile modeling by subspace identification methods. , 2015, , .		1
21	Power spectrum estimation with missing values. , 2015, , .		0
22	Spectrum estimation in frequency-domain by subspace and regularization-based algorithms: A survey. , 2015, , .		0
23	Subspace-based spectrum estimation in frequency-domain by regularized nuclear norm minimization. Signal Processing, 2014, 99, 69-85.	3.7	20
24	Nuclear Norm Spectrum Estimation From Uniformly Spaced Measurements. IEEE Transactions on Automatic Control, 2014, 59, 2252-2257.	5.7	15
25	Multi-objective control of a full-car model using linear-matrix-inequalities and fixed-order optimisation. Vehicle System Dynamics, 2014, 52, 429-448.	3.7	5
26	Spectral estimation in frequency-domain by subspace techniques. Signal Processing, 2014, 101, 204-217.	3.7	26
27	Stochastic optimal control of truck cabin with active suspension. International Journal of Heavy Vehicle Systems, 2014, 21, 183.	0.2	5
28	Regularized nuclear norm spectrum estimation in frequency domain. , 2013, , .		0
29	A spectral estimation case study in frequency-domain by subspace methods. , 2013, , .		2
30	Frequency domain subspace-based identification of discrete-time singular power spectra from uniformly spaced measurements. , 2012, , .		0
31	Estimation of cross-power and auto-power spectral densities in frequency domain by subspace methods. , 2012, , .		8
32	Frequency domain subspace-based identification of discrete-time singular power spectra. Signal Processing, 2012, 92, 2075-2081.	3.7	12
33	Frequency domain subspace identification of discrete-time singular power spectra. , 2011, , .		0
34	Influence of Tire Damping on Actively Controlled Quarter-Car Suspensions. Journal of Vibration and Acoustics, Transactions of the ASME, 2011, 133, .	1.6	13
35	Frequency domain subspace-based identification of discrete-time power spectra from uniformly spaced measurements. Automatica, 2011, 47, 363-367.	5.0	38
36	An insight into instrumental variable frequency-domain subspace identification. Automatica, 2010, 46, 375-382.	5.0	5

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37	Instrumental variable frequency-domain subspace identification. , 2010, , .		0
38	Subspace-Based Rational Interpolation of Analytic Functions From Phase Data. IEEE Transactions on Signal Processing, 2010, 58, 1069-1081.	5.3	9
39	Rational interpolation from phase data by subspace methods. , 2010, , .		0
40	Discussion on: â€œGeneralized Linear Dynamic Factor Models: An Approach via Singular Autoregressionsâ€• European Journal of Control, 2010, 16, 226-227.	2.6	0
41	Tire Damping Effect on H2 Optimal Control of Half-Car Active Suspensions. Journal of Vibration and Acoustics, Transactions of the ASME, 2010, 132, .	1.6	6
42	Active suspension design for an idealized truck cabin. , 2009, , .		1
43	Subspace-based rational interpolation of analytic functions from real or imaginary parts of frequency-response data. , 2009, , .		0
44	Subspace-based rational interpolation from phase data. , 2009, , .		0
45	Rational Interpolation of Analytic Functions From Real or Imaginary Parts of Frequency-Response Data: A Subspace-Based Approach. IEEE Signal Processing Letters, 2009, 16, 350-353.	3.6	4
46	Synthesis of Complete Orthonormal Fractional Basis Functions With Prescribed Poles. IEEE Transactions on Signal Processing, 2008, 56, 4716-4728.	5.3	14
47	RMS Performance Limitations and Constraints for Quarter-Car Active Suspensions. , 2008, , .		5
48	Influence of tire damping on the ride performance potential of quarter-car active suspensions. , 2008, , .		4
49	Synthesis of complete orthonormal fractional bases. , 2008, , .		0
50	Influence of Tire Damping on the H2Optimally Designed Half-Car Active Suspensions. , 2008, , .		0
51	A Subspaceâ€Based Method for Solving Lagrangeâ€"Sylvester Interpolation Problems. SIAM Journal on Matrix Analysis and Applications, 2007, 29, 377-395.	1.4	9
52	IDENTIFICATION OF CONTINUOUSâ€TIME POWER SPECTRA BY GENERALIZED FOURIER SERIES. Asian Journal of Control, 2007, 9, 57-63.	3.0	2
53	STOCHASTIC ROAD AND TRACK MODELING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 1370-1375.	0.4	1
54	CONVERGENCE ANALYSIS OF CENTRAL AND MINIMAX ALGORITHMS IN SCALAR REGRESSOR MODELS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 594-599.	0.4	0

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55	Membership set identification with periodic inputs and orthonormal regressors. Signal Processing, 2006, 86, 3778-3786.	3.7	2
56	Convergence analysis of central and minimax algorithms in scalar regressor models. Mathematics of Control, Signals, and Systems, 2006, 18, 66-99.	2.3	1
57	A study of random vibration characteristics of the quarter-car model. Journal of Sound and Vibration, 2005, 282, 111-124.	3.9	137
58	The size of the membership-set in a probabilistic framework. Automatica, 2004, 40, 253-260.	5.0	13
59	Frequency domain subspace-based identification of discrete-time power spectra from nonuniformly spaced measurements. Automatica, 2004, 40, 1333-1347.	5.0	51
60	Discussion on: â€œMultivariable Control of Noise in an Acoustic Ductâ€• European Journal of Control, 2004, 10, 573-575.	2.6	0
61	The Size of the Membership-Set in a Probabilistic Framework. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 1843-1848.	0.4	1
62	A stochastic analysis of robust estimation algorithms inHâˆžwith rational basis functions. International Journal of Robust and Nonlinear Control, 2002, 12, 71-86.	3.7	5
63	Synthesis of complete rational orthonormal bases with prescribed asymptotic order. Automatica, 2001, 37, 559-564.	5.0	1
64	A frequency-domain iterative identification algorithm using general orthonormal basis functions. Automatica, 2001, 37, 663-674.	5.0	15
65	A generalization of a standard inequality for Hardy space H1. Automatica, 2001, 37, 1853-1857.	5.0	1
66	General Orthonormal Bases for Robust Identification in H_infty. SIAM Journal on Control and Optimization, 2001, 40, 947-968.	2.1	3
67	Continuous-time stable and unstable system modelling with orthonormal basis functions. International Journal of Robust and Nonlinear Control, 2000, 10, 513-531.	3.7	4
68	Discrete-time system modelling in with orthonormal basis functions. Systems and Control Letters, 2000, 39, 365-376.	2.3	18
69	On the existence of a disk algebra basis. Signal Processing, 2000, 80, 903-907.	3.7	11
70	Orthonormal basis functions for modelling continuous-time systems. Signal Processing, 1999, 77, 261-274.	3.7	98
71	Orthonormal Basis Functions for Continuous-Time Systems and Lp Convergence. Mathematics of Control, Signals, and Systems, 1999, 12, 295-305.	2.3	37
72	Rational Basis Functions for Robust Identification from Frequency and Time-Domain Measurements. Automatica, 1998, 34, 1101-1117.	5.0	70

#	Article	IF	Citations
73	Identification of power transformer models from frequency response data: A case study. Signal Processing, 1998, 68, 307-315.	3.7	26
74	Subspace-based identification of infinite-dimensional multivariable systems from frequency-response data. Automatica, 1996, 32, 885-902.	5.0	62