Seung-Jean Kim

List of Publications by Year
in descending order

		758635	794141
35 papers	**3,914** citations	**12** h-index	**19** g-index
35 all docs	**35** docs citations	**35** times ranked	**3790** citing authors

#	Article	IF	Citations
1	Estimating cell probabilities in contingency tables with constraints on marginals/conditionals by geometric programming with applications. Computational Statistics, 2015, 30, 107-129.	0.8	0
2	Estimating monotone convex functions via sequential shape modification. Journal of Statistical Computation and Simulation, 2009, 79, 989-1000.	0.7	0
3	A Minimax Regret Approach to Robust Beamforming. , 2009, , .		0
4	Optimal Estimation of Deterioration From Diagnostic Image Sequence. IEEE Transactions on Signal Processing, 2009, 57, 1030-1043.	3.2	13
5	ell_1 Trend Filtering. SIAM Review, 2009, 51, 339-360.	4.2	466
6	Robust Signal Detection Under Model Uncertainty. IEEE Signal Processing Letters, 2009, 16, 287-290.	2.1	6
7	Tractable approximate robust geometric programming. Optimization and Engineering, 2008, 9, 95-118.	1.3	80
8	A fast method for designing time-optimal gradient waveforms for arbitrary k-space trajectories. IEEE Transactions on Medical Imaging, 2008, 27, 866-873.	5.4	101
9	A Minimax Theorem with Applications to Machine Learning, Signal Processing, and Finance. SIAM Journal on Optimization, 2008, 19, 1344-1367.	1.2	46
10	Robust Beamforming via Worst-Case SINR Maximization. IEEE Transactions on Signal Processing, 2008, 56, 1539-1547.	3.2	111
11	Learning the kernel via convex optimization. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	7
12	A minimax theorem with applications to machine learning, signal processing, and finance. , 2007, , .		1
13	An Efficient Method for Large-Scale l<inf>1</inf>-Regularized Convex Loss Minimization. , 2007, , .		1
14	Robust Chebyshev FIR Equalization. , 2007, , .		5
15	An Efficient Method for Compressed Sensing. , 2007, , .		38
16	An Interior-Point Method for Large-Scale -Regularized Least Squares. IEEE Journal on Selected Topics in Signal Processing, 2007, 1, 606-617.	7.3	1,728
17	Beamforming With Uncertain Weights. IEEE Signal Processing Letters, 2007, 14, 348-351.	2.1	23
18	A tutorial on geometric programming. Optimization and Engineering, 2007, 8, 67-127.	1.3	926

#	ARTICLE	IF	CITATIONS
19	A heuristic for optimizing stochastic activity networks with applications to statistical digital circuit sizing. Optimization and Engineering, 2007, 8, 397-430.	1.3	24
20	A heuristic method for statistical digital circuit sizing. , 2006, 6156, 58.		7
21	Array Signal Processing with Robust Rejection Constraints via Second-Order Cone Programming. , 2006, , .		2
22	Maximum Likelihood Covariance Estimation with a Condition Number Constraint. , 2006, , .		18
23	Digital Circuit Optimization via Geometric Programming. Operations Research, 2005, 53, 899-932.	1.2	146
24	A comparison principle for state-constrained differential inequalities and its application to time-optimal control. IEEE Transactions on Automatic Control, 2005, 50, 967-983.	3.6	11
25	An Efficient Identification Method for Friction in Single-DOF Motion Control Systems. IEEE Transactions on Control Systems Technology, 2004, 12, 555-563.	3.2	19
26	Existence of CarathÃ‰odory Solutions in Nonlinear Systems With Discontinuous Switching Feedback Controllers. IEEE Transactions on Automatic Control, 2004, 49, 1167-1171.	3.6	20
27	A phase-plane approach to time-optimal control of single-DOF mechanical systems with friction. Automatica, 2003, 39, 1407-1415.	3.0	4
28	A frequency-domain approach to identification of mechanical systems with friction. IEEE Transactions on Automatic Control, 2001, 46, 888-893.	3.6	14
29	On the existence of Caratheodory solutions in mechanical systems with friction. IEEE Transactions on Automatic Control, 1999, 44, 2086-2089.	3.6	14
30	A computationally efficient approach to time-optimal control of robotic manipulators along specified paths. , 0, , .		1
31	Optimum power allocation and control for OFDM in multiple access channels. , 0, , .		13
32	Transmit power optimization for Gaussian vector broadcast channels. , 0, , .		9
33	Power control in lognormal fading wireless channels with uptime probability specifications via robust geometric programming. , 0, , .		11
34	A New Method for Design of Robust Digital Circuits. , 0, , .		45
35	A Computationally Efficient Method for Robust Minimum Variance Beamforming. , 0, , .		4