Wasim Q Malik

List of Publications by Year
in descending order

26 papers	702 citations	687363 13 h-index	996975 15 g-index
27 all docs	27 docs citations	27 times ranked	827 citing authors

#	Article	IF	Citations
1	Intra-day signal instabilities affect decoding performance in an intracortical neural interface system. Journal of Neural Engineering, 2013, 10, 036004.	3.5	180
2	Efficient Decoding With Steady-State Kalman Filter in Neural Interface Systems. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2011, 19, 25-34.	4.9	88
3	Analysis of Realistic Ultrawideband Indoor Communication Channels by Using an Efficient Ray-Tracing Based Method. IEEE Transactions on Antennas and Propagation, 2009, 57, 777-785.	5.1	51
4	Measured MIMO Capacity and Diversity Gain With Spatial and Polar Arrays in Ultrawideband Channels. IEEE Transactions on Communications, 2007, 55, 2361-2370.	7.8	46
5	High Resolution 3-D Angle of Arrival Determination for Indoor UWB Multipath Propagation. IEEE Transactions on Wireless Communications, 2008, 7, 3047-3055.	9.2	46
6	Spatial correlation in ultrawideband channels. IEEE Transactions on Wireless Communications, 2008, 7, 604-610.	9.2	38
7	Functional Biases in Visual Cortex Neurons with Identified Projections to Higher Cortical Targets. Current Biology, 2012, 22, 269-277.	3.9	31
8	A low complexity user scheduling algorithm for uplink multiuser MIMO systems. IEEE Transactions on Wireless Communications, 2008, 7, 2486-2491.	9.2	28
9	Denoising Two-Photon Calcium Imaging Data. PLoS ONE, 2011, 6, e20490.	2.5	27
10	Frequency Dependence of Fading Statistics for Ultrawideband Systems. IEEE Transactions on Wireless Communications, 2007, 6, 800-804.	9.2	24
11	A Low-Complexity Receive-Antenna-Selection Algorithm for MIMOâ€"OFDM Wireless Systems. IEEE Transactions on Vehicular Technology, 2009, 58, 2793-2802.	6.3	22
12	Separation of Subcutaneous Fat From Muscle in Surface Electrical Impedance Myography Measurements Using Model Component Analysis. IEEE Transactions on Biomedical Engineering, 2019, 66, 354-364.	4.2	17
13	Concatenated RS-Convolutional Codes for Ultrawideband Multiband-OFDM. , 2006, , .		15
14	Impact of Bandwidth on Small-Scale Fade Depth. , 2007, , .		13
15	On Spaceâ€"Frequency Correlation of UWB MIMO Channels. IEEE Transactions on Vehicular Technology, 2010, 59, 4201-4213.	6.3	13
16	Modulation Depth Estimation and Variable Selection in State-Space Models for Neural Interfaces. IEEE Transactions on Biomedical Engineering, 2015, 62, 570-581.	4.2	12
17	Joint Antenna and User Selection Algorithm for Uplink of Multiuser MIMO Systems using Sequential Monte Carlo Optimization. , 2007, , .		11
18	MIMO capacity convergence in frequency-selective channels. IEEE Transactions on Communications, 2009, 57, 353-356.	7.8	11

#	Article	IF	Citations
19	A Simple Adaptive Beamformer for Ultrawideband Wireless Systems. , 2006, , .		7
20	Frequency-Dependent Pathloss in the Ultrawideband Indoor Channel. , 2006, , .		7
21	UWB Impulse Radio with Triple-Polarization SIMO. , 2007, , .		6
22	Three-Dimensional Equalization of Ultrawideband Antenna Distortion. , 2007, , .		4
23	A Novel Hybrid BCI Web Browser Based on SSVEP and Eye-Tracking. , 2019, , .		3
24	An Efficient Ray Tracing Propagation Simulator for Analyzing Ultrawideband Channels. , 2007, , .		2
25	Affine restoration decoding for MIMO-OFDM ultrawideband communications. , 2008, , .		0
26	Modeling two-photon calcium fluorescence of episodic V1 recordings using multifrequency analysis. , 2011, 2011, 3016-9.		0