

## Google Scholar Citations

Citation indices	All	Since 2012
Citations	6050	2217
h-index	39	21
i10-index	109	56

<a href="#">Practical optimization: algorithms and engineering applications</a> A Antoniou, WS Lu Springer Science & Business Media	597	2007
<a href="#">Two-dimensional digital filters</a> WS Lu, A Antoniou CRC PressI Llc	434	1992
<a href="#">Impedance control with adaptation for robotic manipulations</a> WS Lu, QH Meng IEEE Transactions on Robotics and Automation 7 (3), 408-415	193	1991
<a href="#">A weighted least-squares method for the design of stable 1-D and 2-D IIR digital filters</a> WS Lu, SC Pei, CC Tseng IEEE Transactions on Signal Processing 46 (1), 1-10	158*	1998
<a href="#">An improved weighted least-squares design for variable fractional delay FIR filters</a> WS Lu, TB Deng IEEE Transactions on Circuits and Systems II: Analog and Digital Signal ...	145	1999
<a href="#">Stability analysis for two-dimensional systems via a Lyapunov approach</a> WS Lu, EB Lee IEEE Transactions on Circuits and Systems 32 (1)	138	1985
<a href="#">Linear interpolation in pilot symbol assisted channel estimation for OFDM</a> X Dong, WS Lu, ACK Soong IEEE transactions on wireless communications 6 (5)	119	2007
<a href="#">On a Lyapunov approach to stability analysis of 2-D digital filters</a> WS Lu IEEE Transactions on Circuits and Systems I: Fundamental Theory and ...	116	1994
<a href="#">A new peak-to-average power-ratio reduction algorithm for OFDM systems via constellation extension</a> YJ Kou, WS Lu, A Antoniou IEEE Transactions on Wireless Communications 6 (5)	115	2007
<a href="#">A unified approach for the design of 2-D digital filters via semidefinite programming</a> WS Lu IEEE Transactions on Circuits and Systems I: Fundamental Theory and ...	112	2002

Efficient iterative design method for cosine-modulated QMF banks H Xu, WS Lu, A Antoniou IEEE Transactions on Signal Processing 44 (7), 1657-1668	111	1996
Optimal design of frequency-response-masking filters using semidefinite programming WS Lu, T Hinamoto IEEE Transactions on Circuits and Systems I: Fundamental Theory and ...	101	2003
Optimal design of IIR digital filters with robust stability using conic-quadratic-programming updates WS Lu, T Hinamoto IEEE Transactions on Signal Processing 51 (6), 1581-1592	95	2003
Synthesis of 2-D state-space fixed-point digital-filter structures with minimum roundoff noise WS Lu, A Antoniou IEEE transactions on circuits and systems 33 (10), 965-973	89	1986
Measuring how far a controllable system is from an uncontrollable one D Boley, WS Lu IEEE Transactions on Automatic Control 31 (3), 249-251	84	1986
Constrained minimum-BER multiuser detection X Wang, WS Lu, A Antoniou IEEE Transactions on Signal Processing 48 (10), 2903-2909	81	2000
A reduced-order adaptive velocity observer for manipulator control M Erlic, WS Lu IEEE Transactions on Robotics and Automation 11 (2), 293-303	78	1995
Joint precoding optimization for multiuser multi-antenna relaying downlinks using quadratic programming W Xu, X Dong, WS Lu IEEE Transactions on Communications 59 (5), 1228-1235	76	2011
Design of two-dimensional digital filters using singular-value decomposition and balanced approximation method WS Lu, HP Wang, A Antoniou IEEE Transactions on Signal Processing 39 (10), 2253-2262	74	1991
Design of two-dimensional digital filters by using the singular value decomposition A Antoniou, WS Lu IEEE transactions on circuits and systems 34 (10), 1191-1198	73	1987