

Kathleen E Wage

List of Publications by Year in descending order

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43
papers

631
citations

933264

10
h-index

677027

22
g-index

56
all docs

56
docs citations

56
times ranked

274
citing authors

#	ARTICLE	IF	CITATIONS
1	Random Matrix Theory Predictions of Dominant Mode Rejection Beamformer Performance. IEEE Open Journal of Signal Processing, 2022, 3, 229-245.	2.3	2
2	What Were They Thinking?: Refining Conceptual Assessments Using Think-Aloud Problem Solving. IEEE Signal Processing Magazine, 2021, 38, 85-93.	4.6	5
3	Narrowband Acoustic Mode Estimation Using Performance-Weighted Blended Filtering. , 2021, , .		1
4	Cross Term Decay in Multiplicative Processors. IEEE Signal Processing Letters, 2020, 27, 56-60.	2.1	2
5	Passive Coprime Split Aperture Beamforming. , 2018, , .		0
6	Experimental Evaluation of a Universal Dominant Mode Rejection Beamformer. , 2018, , .		1
7	Multiplicative and min processing of experimental passive sonar data from thinned arrays. Journal of the Acoustical Society of America, 2018, 144, 3262-3274.	0.5	15
8	Statistical characterization of the largest DMR-whitened eigenvalue for source enumeration. , 2018, , .		0
9	Efficient Doppler-Compensated Reiterative Minimum Mean-Squared-Error Processing. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 562-574.	2.6	15
10	2016 IEEE Education Society Awards, 2016 Frontiers in Education Conference Awards, and Selected IEEE Awards. IEEE Transactions on Education, 2017, 60, 67-77.	2.0	1
11	Vertical line array measurements of ambient noise in the North Pacific. Journal of the Acoustical Society of America, 2017, 141, 1571-1581.	0.5	26
12	Improving whitening filter design using broadband snapshots. , 2016, , .		1
13	Effect of array tilt on estimates of vertical ambient noise spectrum. , 2015, , .		0
14	An improved whitening transformation for snapshot-deficient scenarios. , 2015, , .		1
15	SINR loss of the dominant mode rejection beamformer. , 2015, , .		4
16	Extending coprime sensor arrays to achieve the peak side lobe height of a full uniform linear array. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.0	85
17	Snapshot Performance of the Dominant Mode Rejection Beamformer. IEEE Journal of Oceanic Engineering, 2014, 39, 212-225.	2.1	17
18	Coprime processing for the Elba Island sonar data set. , 2014, , .		14

#	ARTICLE	IF	CITATIONS
19	Analysis of the vertical structure of deep ocean noise using measurements from the SPICEX and PhilSea experiments. Proceedings of Meetings on Acoustics, 2013, , .	0.3	4
20	The North Pacific Acoustic Laboratory deep-water acoustic propagation experiments in the Philippine Sea. Journal of the Acoustical Society of America, 2013, 134, 3359-3375.	0.5	72
21	Reduced rank models for travel time estimation of low order mode pulses. Journal of the Acoustical Society of America, 2013, 134, 3332-3346.	0.5	4
22	Beamforming with extended co-prime sensor arrays. , 2013, , .		41
23	Convergence rate of the dominant mode rejection beamformer for a single interferer. , 2013, , .		3
24	Implementing physical constraints for noise only normal mode shape estimation. Proceedings of Meetings on Acoustics, 2013, , .	0.3	3
25	A random matrix theory model for the dominant mode rejection beamformer notch depth. , 2012, , .		10
26	Experimental validation of a random matrix theory model for dominant mode rejection beamformer notch depth. , 2012, , .		5
27	Approximate eigenvalue distribution of a cylindrically isotropic noise sample covariance matrix. , 2012, , .		1
28	Signals and systems assessment: Comparison of responses to multiple choice conceptual questions and open-ended final exam problems. , 2011, , .		1
29	Using in-class assessment to inform signals and systems instruction. , 2011, , .		0
30	Students' interpretation of the importance and difficulty of concepts in signals and systems. , 2010, , .		13
31	Item Response Analysis of the Continuous-Time Signals and Systems Concept Inventory. , 2009, , .		4
32	ABF performance using covariance matrices derived from spatial spectra for large arrays. , 2009, , .		0
33	Interpolation methods for vertical linear array element localization. , 2008, , .		4
34	Workshop - The Signals and Systems Concept Inventory. , 2008, , .		1
35	Multitaper Array Processing. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	4
36	Comparing student understanding of signals and systems using a concept inventory, a traditional exam and interviews. Proceedings - Frontiers in Education Conference, FIE, 2007, , .	0.0	7

#	ARTICLE	IF	CITATIONS
37	Analyzing Misconceptions using the Signals and Systems Concept Inventory and Student Interviews. , 2006, , .		12
38	Mode coherence at megameter ranges in the North Pacific Ocean. Journal of the Acoustical Society of America, 2005, 117, 1565-1581.	0.5	39
39	The Signals and Systems Concept Inventory. IEEE Transactions on Education, 2005, 48, 448-461.	2.0	109
40	Modal analysis of broadband acoustic receptions at 3515-km range in the North Pacific using short-time Fourier techniques. Journal of the Acoustical Society of America, 2003, 113, 801-817.	0.5	41
41	The continuous-time signals and systems concept inventory. , 2002, , .		7
42	A unified framework for mode filtering and the maximum a posteriori mode filter. Journal of the Acoustical Society of America, 1998, 103, 1813-1824.	0.5	50
43	Array processing techniques for broadband mode estimation. Journal of the Acoustical Society of America, 1997, 101, 3113-3114.	0.5	0