Jill K Nelson

List of Publications by Year
in descending order

32 papers	**131** citations	2257833 **3** h-index	1872570 **6** g-index
32 all docs	**32** docs citations	**32** times ranked	**75** citing authors

#	Article	IF	Citations
1	A Quasi EM Method for Estimating Multiple Transmitter Locations. IEEE Signal Processing Letters, 2009, 16, 354-357.	2.1	24
2	An EM Technique for Multiple Transmitter Localization. , 2007, , .		22
3	Mental Workload Classification From Spatial Representation of FNIRS Recordings Using Convolutional Neural Networks. , 2019, , .		22
4	Students' interpretation of the importance and difficulty of concepts in signals and systems. , 2010, , .		13
5	Bayesian ML Sequence Detection for ISI Channels. , 2006, , .		6
6	Estimating multiple transmitter locations from power measurements at multiple receivers. , 2009, , .		6
7	Researchers as Coaches: Developing Mathematics Teaching Capacity Using MEAs for STEM Integration. Investigations in Mathematics Learning, 2022, 14, 28-48.	0.7	6
8	On the transcription of monophonic melodies in an instance-based pitch classification scenario. , 2013, , .		5
9	What Were They Thinking?: Refining Conceptual Assessments Using Think-Aloud Problem Solving. IEEE Signal Processing Magazine, 2021, 38, 85-93.	4.6	5
10	Target tracking via a sampling stack-based approach. , 2009, , .		4
11	Detection Capabilities of Randomly-Deployed Sensor Fields. International Journal of Distributed Sensor Networks, 2009, 5, 708-728.	1.3	3
12	A Geometric Approach to Improve Interference Mitigation in Multi-User Detection and Equalization. IEEE Transactions on Signal Processing, 2011, 59, 1694-1705.	3.2	3
13	Embedded track validation for tree search-based tracking of maneuvering targets. , 2011, , .		2
14	Blind sequential detection for sparse ISI channels. Eurasip Journal on Advances in Signal Processing, 2018, 2018, .	1.0	2
15	Modulation Classification in Multipath Environments Using Deterministic Particle Filtering. , 2009, , .		1
16	Channel order estimation via sample sorting. , 2011, , .		1
17	Adaptive maximal asymptotic efficiency equalization using constellation mapping. , 2011, , .		1
18	Computationally efficient design of the MAE equalizer for binary signaling. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
19	A Bayesian tree-search track initiation algorithm for dim targets. , 2013, , .		1
20	Likelihood-surface based discretization for tracking via tree search. , 2013, , .		1
21	Students' understanding of convolution. , 2013, , .		1
22	Sequential detection for sparse channels via a multiple tree algorithm. , 2013, , .		1
23	Work in progress - understanding paths from the community college to a four-year Engineering Program. Proceedings - Frontiers in Education Conference, FIE, 2007, , .	0.0	0
24	Iterative Stack-Based Detection for Unknown ISI Channels. , 2007, , .		0
25	Bayesian MLSD for multipath Rayleigh fading channels. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	0
26	Evaluation of multistatic tree-search based tracking on the SEABAR dataset. , 2010, , .		0
27	Using in-class assessment to inform signals and systems instruction. , 2011, , .		0
28	Feature-aided initiation and tracking via tree search. , 2013, , .		0
29	Maximum asymptotic efficiency equalizer with decision feedback. , 2014, , .		0
30	Receiver system design for crowdsourced experiments on the effects of a solar eclipse on low-frequency radio wave propagation. , 2016, , .		0
31	Student Achievement Goals in the Signals and Systems Course. , 2018, , .		0
32	Goal Driven Autonomy as a Model for Reasoning in Cognitive Active Sonar. , 2018, , .		0