Mohamed Morchid

List of Publications by Year
in descending order

34 papers	446 citations	1684188 5 h-index	1372567 10 g-index
34 all docs	34 docs citations	34 times ranked	329 citing authors

#	Article	IF	Citations
1	A survey of quaternion neural networks. Artificial Intelligence Review, 2020, 53, 2957-2982.	15.7	93
2	Quaternion Convolutional Neural Networks for Heterogeneous Image Processing. , 2019, , .		54
3	Quaternion Convolutional Neural Networks for End-to-End Automatic Speech Recognition. , 0, , .		52
4	Feature selection using Principal Component Analysis for massive retweet detection. Pattern Recognition Letters, 2014, 49, 33-39.	4.2	49
5	Parsimonious memory unit for recurrent neural networks with application to natural language processing. Neurocomputing, 2018, 314, 48-64.	5.9	49
6	Quaternion Neural Networks for Spoken Language Understanding. , 2016, , .		17
7	Improving dialogue classification using a topic space representation and a Gaussian classifier based on the decision rule. , 2014, , .		16
8	Denoised Bottleneck Features From Deep Autoencoders for Telephone Conversation Analysis. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1809-1820.	5.8	13
9	Deep quaternion neural networks for spoken language understanding. , 2017, , .		12
10	Bidirectional Quaternion Long Short-term Memory Recurrent Neural Networks for Speech Recognition. , 2019, , .		12
11	Theme identification in telephone service conversations using quaternions of speech features. , 0, , .		8
12	Compact Multiview Representation of Documents Based on the Total Variability Space. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 1295-1308.	5.8	7
13	Parallel Long Short-Term Memory for multi-stream classification. , 2016, , .		6
14	Quaternion Denoising Encoder-Decoder for Theme Identification of Telephone Conversations. , 0, , .		6
15	Internal Memory Gate for Recurrent Neural Networks with Application to Spoken Language Understanding. , 0, , .		6
16	Impact of Word Error Rate on theme identification task of highly imperfect humanâ€“human conversations. Computer Speech and Language, 2016, 38, 68-85.	4.3	5
17	Quaternion Convolutional Neural Networks For Theme Identification Of Telephone Conversations. , 2018, , .		5
18	An I-vector Based Approach to Compact Multi-Granularity Topic Spaces Representation of Textual Documents. , 2014, , .		5

#	Article	IF	Citations
19	Author-topic based representation of call-center conversations. , 2014, , .		4
20	Topic-space based setup of a neural network for theme identification of highly imperfect transcriptions. , 2015, , .		4
21	An Author-Topic based Approach to Cluster Tweets and Mine their Location. Procedia Environmental Sciences, 2015, 27, 26-29.	1.4	4
22	Deep Stacked Autoencoders for Spoken Language Understanding. , 0, , .		4
23	Bidirectional internal memory gate recurrent neural networks for spoken language understanding. International Journal of Speech Technology, 2022, 25, 19-27.	2.2	3
24	A LDA-based method for automatic tagging of Youtube videos. , 2013, , .		2
25	Real to H-Space Autoencoders for Theme Identification in Telephone Conversations. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 198-210.	5.8	2
26	Latent Topic Model Based Representations for a Robust Theme Identification of Highly Imperfect Automatic Transcriptions. Lecture Notes in Computer Science, 2015, , 596-605.	1.3	2
27	Theme identification in human-human conversations with features from specific speaker type hidden spaces. , 0, , .		2
28	Improving multi-stream classification by mapping sequence-embedding in a high dimensional space. , 2016, , .		1
29	A log-linear weighting approach in the Word2vec space for spoken language understanding. , 2016, , .		1
30	Tracking dialog states using an Author-Topic based representation. , 2016, , .		1
31	Spoken Language Understanding in a Latent Topic-Based Subspace. , 0, , .		1
32	Event detection from image hosting services by slightly-supervised multi-span context models. , 2013, , .		0
33	Latent Topic-based Subspace for Natural Language Processing. Journal of Signal Processing Systems, 2019, 91, 833-853.	2.1	0
34	A comparison of normalization techniques applied to latent space representations for speech analytics. , 0, , .		0