

# Deepak Baby

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1885880/publications.pdf>

Version: 2024-02-01

17  
papers

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citations

1937685

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2053705

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docs citations

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times ranked

128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sergan: Speech Enhancement Using Relativistic Generative Adversarial Networks with Gradient Penalty. , 2019, , .		59
2	Coupled Dictionaries for Exemplar-Based Speech Enhancement and Automatic Speech Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 1788-1799.	5.8	29
3	A convolutional neural-network model of human cochlear mechanics and filter tuning for real-time applications. Nature Machine Intelligence, 2021, 3, 134-143.	16.0	22
4	Exemplar-based speech enhancement for deep neural network based automatic speech recognition. , 2015, , .		16
5	A convolutional neural-network framework for modelling auditory sensory cells and synapses. Communications Biology, 2021, 4, 827.	4.4	16
6	Coupled dictionary training for exemplar-based speech enhancement. , 2014, , .		14
7	Exemplar-based noise robust automatic speech recognition using modulation spectrogram features. , 2014, , .		7
8	Supervised speech dereverberation in noisy environments using exemplar-based sparse representations. , 2016, , .		7
9	Joint Denoising and Dereverberation Using Exemplar-Based Sparse Representations and Decaying Norm Constraint. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 2024-2035.	5.8	6
10	Investigating modulation spectrogram features for deep neural network-based automatic speech recognition. , 0, , .		5
11	Biophysically-inspired Features Improve the Generalizability of Neural Network-based Speech Enhancement Systems. , 0, , .		4
12	Automated speech analysis to improve TMS-based language mapping: Algorithm and proof of concept. Brain Stimulation, 2020, 13, 267-269.	1.6	3
13	Hearing-Impaired Bio-Inspired Cochlear Models for Real-Time Auditory Applications. , 0, , .		3
14	Ordered Orthogonal Matching Pursuit. , 2012, , .		1
15	Noise robust exemplar matching with coupled dictionaries for single-channel speech enhancement. , 2015, , .		1
16	Speech Dereverberation Using Variational Autoencoders. , 2021, , .		1
17	Hybrid input spaces for exemplar-based noise robust speech recognition using coupled dictionaries. , 2015, , .		0