

Dehan Luo

List of Publications by Year in descending order

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20
times ranked

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#	ARTICLE	IF	CITATIONS
1	An Odor Labeling Convolutional Encoder-Decoder for Odor Sensing in Machine Olfaction. <i>Sensors</i> , 2021, 21, 388.	3.8	7
2	ODRP: A Deep Learning Framework for Odor Descriptor Rating Prediction Using Electronic Nose. <i>IEEE Sensors Journal</i> , 2021, 21, 15012-15021.	4.7	20
3	Identifying the Primary Odor Perception Descriptors by Multi-Output Linear Regression Models. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3320.	2.5	5
4	Channel Attention Convolutional Neural Network for Chinese Baijiu Detection With E-Nose. <i>IEEE Sensors Journal</i> , 2021, 21, 16170-16182.	4.7	23
5	Component Analysis of Gas Mixture Based on One-Dimensional Convolutional Neural Network. <i>Sensors</i> , 2021, 21, 347.	3.8	6
6	FPGA Implementation for Odor Identification with Depthwise Separable Convolutional Neural Network. <i>Sensors</i> , 2021, 21, 832.	3.8	16
7	The Odor Characterizations and Interactive Olfactory Display: A Survey. , 2021, , .		2
8	A Perception-Driven Framework for Predicting Missing Odor Perceptual Ratings and an Exploration of Odor Perceptual Space. <i>IEEE Access</i> , 2020, 8, 29595-29607.	4.2	4
9	Development of a Piezoelectric-Based Odor Reproduction System. <i>Electronics (Switzerland)</i> , 2019, 8, 870.	3.1	6
10	POP-CNN: Predicting Odor Pleasantness With Convolutional Neural Network. <i>IEEE Sensors Journal</i> , 2019, 19, 11337-11345.	4.7	28
11	Discrimination of Two Cultivars of <i>Alpinia Officinarum</i> Hance Using an Electronic Nose and Gas Chromatography-Mass Spectrometry Coupled with Chemometrics. <i>Sensors</i> , 2019, 19, 572.	3.8	26
12	The Odor Characterizations and Reproductions in Machine Olfactions: A Review. <i>Sensors</i> , 2018, 18, 2329.	3.8	4
13	Identification of Chinese Herbal Medicines with Electronic Nose Technology: Applications and Challenges. <i>Sensors</i> , 2017, 17, 1073.	3.8	33
14	The study of multiphase flow control during odor reproduction. , 2014, , .		0
15	A New Processing Technique for the Identification of Chinese Herbal Medicine. , 2013, , .		5
16	Quality Evaluation for Anxi Tieguaoyin Tea Based on Electronic Nose and PCALDA Method. , 2013, , .		1
17	Swarm robotic odor source localization using ant colony algorithm. , 2009, , .		8
18	A highly flexible virtual physics-based control framework for multi-robot chemical plume tracing. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
19	Intelligent Fish Freshness Assessment. Journal of Sensors, 2008, 2008, 1-8.	1.1	11
20	Intelligent Processing of E-nose Information for Fish Freshness Assessment. , 2007, , .		14