Dehan Luo

List of Publications by Year
in descending order

20 papers	220 citations	1307594 7 h-index	1125743 13 g-index
20 all docs	20 docs citations	20 times ranked	215 citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Chinese Herbal Medicines with Electronic Nose Technology: Applications and Challenges. Sensors, 2017, 17, 1073.	3.8	33
2	POP-CNN: Predicting Odor Pleasantness With Convolutional Neural Network. IEEE Sensors Journal, 2019, 19, 11337-11345.	4.7	28
3	Discrimination of Two Cultivars of Alpinia Officinarum Hance Using an Electronic Nose and Gas Chromatography-Mass Spectrometry Coupled with Chemometrics. Sensors, 2019, 19, 572.	3.8	26
4	Channel Attention Convolutional Neural Network for Chinese Baijiu Detection With E-Nose. IEEE Sensors Journal, 2021, 21, 16170-16182.	4.7	23
5	ODRP: A Deep Learning Framework for Odor Descriptor Rating Prediction Using Electronic Nose. IEEE Sensors Journal, 2021, 21, 15012-15021.	4.7	20
6	FPGA Implementation for Odor Identification with Depthwise Separable Convolutional Neural Network. Sensors, 2021, 21, 832.	3.8	16
7	Intelligent Processing of E-nose Information for Fish Freshness Assessment. , 2007, , .		14
8	Intelligent Fish Freshness Assessment. Journal of Sensors, 2008, 2008, 1-8.	1.1	11
9	Swarm robotic odor source localization using ant colony algorithm. , 2009, , .		8
10	An Odor Labeling Convolutional Encoder–Decoder for Odor Sensing in Machine Olfaction. Sensors, 2021, 21, 388.	3.8	7
11	Development of a Piezoelectric-Based Odor Reproduction System. Electronics (Switzerland), 2019, 8, 870.	3.1	6
12	Component Analysis of Gas Mixture Based on One-Dimensional Convolutional Neural Network. Sensors, 2021, 21, 347.	3.8	6
13	A New Processing Technique for the Identification of Chinese Herbal Medicine. , 2013, , .		5
14	Identifying the Primary Odor Perception Descriptors by Multi-Output Linear Regression Models. Applied Sciences (Switzerland), 2021, 11, 3320.	2.5	5
15	The Odor Characterizations and Reproductions in Machine Olfactions: A Review. Sensors, 2018, 18, 2329.	3.8	4
16	A Perception-Driven Framework for Predicting Missing Odor Perceptual Ratings and an Exploration of Odor Perceptual Space. IEEE Access, 2020, 8, 29595-29607.	4.2	4
17	The Odor Characterizations and Interactive Olfactory Display: A Survey. , 2021, , .		2
18	A highly flexible virtual physics-based control framework for multi-robot chemical plume tracing. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
19	Quality Evaluation for Anxi Tieguanyin Tea Based on Electronic Nose and PCALDA Method. , 2013, , .		1
20	The study of multiphase flow control during odor reproduction. , 2014, , .		0