Arun Jana

List of Publications by Year
in descending order

23 papers	1,212 citations	623734 14 h-index	888059 17 g-index
23 all docs	23 docs citations	23 times ranked	1010 citing authors

#	Article	IF	Citations
1	Broadband terahertz characterization of graphene oxide films fabricated on flexible substrates. Optical Materials, 2022, 125, 112045.	3.6	6
2	Hybrid resonant cavities: A route towards phase engineered THz metasurfaces. IScience, 2022, 25, 104024.	4.1	9
3	External bias dependent dynamic terahertz propagation through $BiFeO_3$ film. Nanotechnology, 2022, 33, 325202.	2.6	17
4	Hybridization of dark resonant states in terahertz metasurfaces. Journal of Applied Physics, 2021, 130, .	2.5	14
5	Correlating Electronic Nose and Field Olfactometer for Industrial Odor Concentration Measurement Using PLS and MLR. Advances in Computer and Electrical Engineering Book Series, 2018, , 94-103.	0.3	0
6	Application of electronic nose for industrial odors and gaseous emissions measurement and monitoring â€" An overview. Talanta, 2015, 144, 329-340.	5.5	154
7	Quantitative determination of pulp and paper industry emissions and associated odor intensity in methyl mercaptan equivalent using electronic nose. Atmospheric Environment, 2014, 82, 401-409.	4.1	41
8	Calibration transfer between electronic nose systems for rapid In situ measurement of pulp and paper industry emissions. Analytica Chimica Acta, 2014, 841, 58-67.	5.4	44
9	Machine Olfaction for Odorant and Odor Intensity Monitoring of Gaseous Emissions Emitted from Paper Manufacturing Industries. Sensor Letters, 2014, 12, 1190-1193.	0.4	0
10	Regression model on electronic nose data from aromatic rice samples. , 2012, , .		2
11	Instrumental testing of tea by combining the responses of electronic nose and tongue. Journal of Food Engineering, 2012, 110, 356-363.	5.2	123
12	Classification of aromatic and non-aromatic rice using electronic nose and artificial neural network. , 2011, , .		10
13	Classification of Black Tea Taste and Correlation With Tea Taster's Mark Using Voltammetric Electronic Tongue. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 2230-2239.	4.7	99
14	Comparison of multivariate preprocessing techniques as applied to electronic tongue based pattern classification for black tea. Analytica Chimica Acta, 2010, 675, 8-15.	5.4	60
15	Towards Versatile Electronic Nose Pattern Classifier for Black Tea Quality Evaluation: An Incremental Fuzzy Approach. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3069-3078.	4.7	51
16	Electronic nose for black tea quality evaluation by an incremental RBF network. Sensors and Actuators B: Chemical, 2009, 138, 90-95.	7.8	98
17	Preemptive identification of optimum fermentation time for black tea using electronic nose. Sensors and Actuators B: Chemical, 2008, 131, 110-116.	7.8	68
18	Illumination heating and physical raking for increasing sensitivity of electronic nose measurements with black tea. Sensors and Actuators B: Chemical, 2008, 131, 37-42.	7.8	22

#	Article	IF	Citations
19	Electronic Nose for Black Tea Classification and Correlation of Measurements With â€œTea Tasterâ€ Marks. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 1313-1321.	4.7	146
20	Incremental PNN classifier for a versatile electronic nose. , 2008, , .		10
21	Smell Peak Prediction During Black Tea Fermentation Process Using Time-Delay Neural Network on Electronic Nose Data. , 2007, , .		5
22	Detection of optimum fermentation time for black tea manufacturing using electronic nose. Sensors and Actuators B: Chemical, 2007, 122, 627-634.	7.8	117
23	Monitoring of black tea fermentation process using electronic nose. Journal of Food Engineering, 2007, 80, 1146-1156.	5.2	116