Arunangshu Ghosh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2256493/publications.pdf

Version: 2024-02-01

39 papers	501 citations	759055 12 h-index	677027 22 g-index
39 all docs	39 docs citations	39 times ranked	448 citing authors

#	Article	IF	Citations
1	Fractional-order identification and synthesis of equivalent circuit for electrochemical system based on pulse voltammetry. , 2022, , 373-402.		2
2	Identification of fractional order model for a voltammetric E-tongue system. Measurement: Journal of the International Measurement Confederation, 2020, 150, 107064.	2.5	16
3	Nonlinear Modeling of Voltammetric Sensor Signals: Application to the E-Tongue Measurement. IEEE Sensors Journal, 2020, 20, 14237-14244.	2.4	5
4	A Feature Extraction Method Using Linear Model Identification of Voltammetric Electronic Tongue. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9243-9250.	2.4	6
5	An Improved Fractional-Order Circuit Model for Voltammetric Taste Sensor System With Infused Tea as Analyte. IEEE Sensors Journal, 2020, 20, 7792-7800.	2.4	11
6	Determination of Model Order of an Electrochemical System: A Case Study with Electronic Tongue. Lecture Notes in Electrical Engineering, 2020, , 29-38.	0.3	0
7	A circuit model estimation of voltammetric taste measurement system for black tea. Measurement: Journal of the International Measurement Confederation, 2019, 140, 609-621.	2.5	12
8	ARMAX Modeling and Impedance Analysis of Voltammetric E-Tongue for Evaluation of Infused Tea. IEEE Sensors Journal, 2019, 19, 4098-4105.	2.4	12
9	Parameter Estimation of Randles Model of Electronic Tongue Using System Identification. , 2019, , .		5
10	Extended Kalman Filtering for Estimation of Parasitic Artifacts in Three Electrode Electrochemical Sensors. , 2019, 3, 1-4.		3
11	Application of Polymethacrylic Acid Imprinted Quartz Crystal Microbalance Sensor for Detection of 3-Carene in Mango. IEEE Sensors Journal, 2018, 18, 2697-2704.	2.4	23
12	Detection of Î²-caryophyllene in mango using a quartz crystal microbalance sensor. Sensors and Actuators B: Chemical, 2018, 255, 3064-3073.	4.0	26
13	A New Approach of Modeling the Electronic Tongue Sensors for Classification. , 2018, , .		1
14	Development of Electronic Interface for Sensing Applications with Voltammetric Electronic Tongue. , 2018, , .		2
15	Independent Component Regression for the Development of Prediction Model for Analysis of Electronic Tongue Response. , 2018, , .		2
16	Methods for automatic identification of coke ovens for auto positioning systems in coke plant of steel industries. Diagnostyka, 2018, 19, 95-103.	0.5	1
17	Age Analysis of Jasmine Concrete Using Electronic Nose. IEEE Sensors Journal, 2017, 17, 3814-3821.	2.4	0
18	An equivalent electrical network of an electronic tongue: A case study with tea samples. , 2017, , .		7

#	Article	IF	Citations
19	Fragrance Profiling of Jasminum Sambac Ait. Flowers Using Electronic Nose. IEEE Sensors Journal, 2017, 17, 160-168.	2.4	12
20	Discrimination of Tomatoes Based on Lycopene Using Cyclic Voltammetry. Sensor Letters, 2017, 15, 827-836.	0.4	1
21	Electronic Tongue for the Estimation of Important Quality Compounds in Finished Tea. , 2016, , 245-253.		3
22	Detection of 3-Carene in mango using a quartz crystal microbalance sensor. Sensors and Actuators B: Chemical, 2016, 230, 791-800.	4.0	26
23	A MACHINE VISION SYSTEM FOR ESTIMATION OF THEAFLAVINS AND THEARUBIGINS IN ORTHODOX BLACK TEA. International Journal on Smart Sensing and Intelligent Systems, 2016, 9, 709-731.	0.4	10
24	Multi-frequency Large Amplitude Pulse Voltammetric Electronic Tongue to Assess Key Compounds Imparting the Taste of Briskness to Finished Black Tea Liquor. , 2015, , .		2
25	Selection of Optimum Level of Data Compression for Voltam metric Electronic Tongue Signal Using DWT. , 2015, , .		0
26	Monitoring the fermentation process of black tea using QCM sensor based electronic nose. Sensors and Actuators B: Chemical, 2015, 219, 146-157.	4.0	83
27	A Quartz Crystal Microbalance Sensor for Detection of Geraniol in Black Tea. IEEE Sensors Journal, 2015, 15, 1178-1185.	2.4	27
28	Detection of Optimum Fermentation Time of Black CTC Tea Using a Voltammetric Electronic Tongue. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2720-2729.	2.4	28
29	Monitoring the Fermentation Process and Detection of Optimum Fermentation Time of Black Tea Using an Electronic Tongue. IEEE Sensors Journal, 2015, 15, 6255-6262.	2.4	44
30	Detection of linalool in black tea using a quartz crystal microbalance sensor. Sensors and Actuators B: Chemical, 2014, 190, 318-325.	4.0	31
31	Aliphatic amines vapours detection by quartz crystal microbalance sensor. Sensors and Actuators B: Chemical, 2014, 198, 94-101.	4.0	15
32	Development of Quartz Crystal Microbalance Sensors for Tea Aroma Chemicals. Sensor Letters, 2014, 12, 1046-1052.	0.4	1
33	Quartz crystal microbalance sensors for discrimination of black tea. , 2012, , .		0
34	Electronic nose with quartz crystal microbalance sensors to discriminate Indian black tea varieties. , 2012, , .		1
35	Prediction of theaflavin and thearubigin content in black tea using a voltammetric electronic tongue. Chemometrics and Intelligent Laboratory Systems, 2012, 116, 57-66.	1.8	38
36	Estimation of theaflavin content in black tea using electronic tongue. Journal of Food Engineering, 2012, 110, 71-79.	2.7	41

#	Article	IF	Citations
37	Improvement of Quality Perception for Black CTC Tea by Means of an Electronic Tongue. Lecture Notes in Computer Science, 2012, , 187-194.	1.0	0
38	Fusion of Potentiometric & Voltammetric Electronic Tongue for Classification of Black Tea Taste based on Theaflavins (TF) Content. AIP Conference Proceedings, 2011, , .	0.3	1
39	Estimation of Theaflavins (TF) and Thearubigins (TR) Ratio in Black Tea Liquor Using Electronic Vision System. AIP Conference Proceedings, 2011, , .	0.3	3