

Bipan Tudu

List of Publications by Year in descending order

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184
papers

3,089
citations

172386
29
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189801
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186
all docs

186
docs citations

186
times ranked

2383
citing authors

#	ARTICLE	IF	CITATIONS
1	A study of vegetable oil modified QCM sensor to detect \hat{I}^2 -pinene in Indian cardamom. Talanta, 2022, 236, 122837.	2.9	11
2	Fabrication of a Molecular Imprinted Polyacrylonitrile Engraved Graphite Electrode for Detection of Formalin in Food Extracts. IEEE Sensors Journal, 2022, 22, 42-49.	2.4	13
3	Detection of Carvacrol Content in Oregano Essential Oil by Molecularly Imprinted Polymer Coated Quartz Crystal Microbalance Sensor. IEEE Sensors Journal, 2022, 22, 7692-7699.	2.4	2
4	Voltammetric Detection of Inositol Using a Platinum Based Electrode. Nano LIFE, 2022, 12, .	0.6	2
5	Amine Functionalized MWCNTs Modified MIP-Based Electrode for Detection of Epicatechin in Tea. IEEE Sensors Journal, 2022, 22, 10323-10330.	2.4	6
6	A multi-channel convolutional neural network driven computer vision system towards identification of species and maturity stage of banana fruits: case studies with Martaman and Singapuri banana. International Journal of Computational Intelligence Studies, 2022, 11, 1.	0.3	0
7	Detection of Metanil Yellow Adulteration in Turmeric Powder Using Nano Nickel Cobalt Oxide Modified Graphite Electrode. IEEE Sensors Journal, 2022, 22, 12515-12521.	2.4	9
8	Identification of the types of disease for tomato plants using a modified gray wolf optimization optimized $\langle \text{scp} \rangle$ MobileNetV2 $\langle / \text{scp} \rangle$ convolutional neural network architecture driven computer vision framework. Concurrency Computation Practice and Experience, 2022, 34, .	1.4	6
9	Design of a self-powered triboelectric face mask. Nano Energy, 2021, 79, 105387.	8.2	85
10	Novel method for real-time burden profile measurement at blast furnace. Ironmaking and Steelmaking, 2021, 48, 579-585.	1.1	3
11	Development of a Graphite-Based Nanostructured Nickel Telluride (n-NiTe/GP) Electrode for Electrochemical Detection of Antiplatelet Agent Clopidogrel. IEEE Sensors Journal, 2021, 21, 7226-7232.	2.4	1
12	Development of a Low-Cost Portable Gas Sensing System Based on Molecularly Imprinted Quartz Crystal Microbalance Sensor for Detection of Eugenol in Clove Oil. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	2.4	9
13	Development of Molecularly Engraved Polymer Based Sensor for Detection of Theobromine in Tea. , 2021, , .		0
14	Classification of Different Floral Origin of Honey Using Hybrid Model of Particle Swarm Optimization and Artificial Neural Network. Advances in Sustainability Science and Technology, 2021, , 145-154.	0.4	0
15	Multivariate Analysis of Formalin Using UV-Vis Spectroscopy. , 2021, , .		3
16	A Simple Nano Cerium Oxide Modified Graphite Electrode for Electrochemical Detection of Formaldehyde in Mushroom. IEEE Sensors Journal, 2021, 21, 12019-12026.	2.4	26
17	Electrochemical Detection of Important Biomarker for Artificial Ripening of Mango by Polymethacrylic Acid Imprinted Polymer Sensor. IEEE Sensors Journal, 2021, 21, 5695-5702.	2.4	6
18	CuO Nanoparticles Decorated MIP-Based Electrode for Sensitive Determination of Gallic Acid in Green Tea. IEEE Sensors Journal, 2021, 21, 5687-5694.	2.4	20

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19	Development of QCM sensor to detect $\hat{1}\pm$ -terpinyl acetate in cardamom. Sensors and Actuators A: Physical, 2021, 319, 112521.	2.0	15
20	Discrimination of Tea using Caffeine-Sensitive Sensor by Employing different Classifiers and various Data Analysis Techniques. Journal of the Institution of Engineers (India): Series B, 2021, 102, 939-946.	1.3	2
21	A convolutional neural network-driven computer vision system toward identification of species and maturity stage of medicinal leaves: case studies with Neem, Tulsi and Kalmegh leaves. Soft Computing, 2021, 25, 14119-14138.	2.1	10
22	Electrochemical Detection of Capsaicin in Chili Pepper Using Molecular Imprinted Poly $\hat{1}2$ -Cyclodextrin Embedded Graphite (MIP- $\hat{1}2$ -CD@G) Electrode. IEEE Sensors Journal, 2021, 21, 17657-17664.	2.4	6
23	Voltammetric Electrode Array Optimization for Black Tea Discrimination Using Computational Intelligence Approach. IEEE Sensors Journal, 2021, 21, 20589-20595.	2.4	4
24	Development of a low-cost portable aroma sensing system for identifying artificially ripened mango. Sensors and Actuators A: Physical, 2021, 331, 112964.	2.0	9
25	Electrochemical Detection of Epicatechin in Green Tea Using Quercetin-Imprinted Polymer Graphite Electrode. IEEE Sensors Journal, 2021, 21, 26526-26533.	2.4	11
26	Electrochemical Detection of Eugenol (EU) Using Polyacrylonitrile Molecular Imprinted Polymer Embedded Graphite (PAN-MIP/G) Electrode. IEEE Sensors Journal, 2020, 20, 39-46.	2.4	11
27	Estimation of Theophylline in Black Tea Using NIR Spectroscopy. , 2020, , .		0
28	Development of Linseed Oil Based Quartz Crystal Microbalance Sensor for Detection of Trimethylamine. , 2020, , .		1
29	Nonlinear Modeling of Voltammetric Sensor Signals: Application to the E-Tongue Measurement. IEEE Sensors Journal, 2020, 20, 14237-14244.	2.4	5
30	Discrimination of Various Clones of Black Tea Using NIR Spectroscopy. , 2020, , .		0
31	Fish Freshness Assessment using NIR spectroscopy. , 2020, , .		2
32	Development of an android platform for monitoring QCM sensor-array based Electronic Nose. , 2020, , .		0
33	Detection of Curcumin using a Simple and Sensitive Molecularly Imprinted Polymer (MIP) Embedded Graphite Electrode Based Electrochemical Sensor. , 2020, , .		1
34	Titanium Oxide Nanocubes Embedded Molecularly Imprinted Polymer-Based Electrode for Selective Detection of Caffeine in Green Tea. IEEE Sensors Journal, 2020, 20, 6240-6247.	2.4	27
35	Image Contrast Enhancement Using Histogram Equalization-Based Grey Wolf Optimizer (GWO). Lecture Notes in Electrical Engineering, 2020, , 207-214.	0.3	1
36	Electronic Tongue for Tea Quality Assessment. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2020, , 108-128.	0.5	0

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37	Microcontroller Based Sensor-Array Data Acquisition System for Electronic Nose. , 2020, , .		0
38	Identification of The Important Volatile Organic Component in Cardamom based on Silica-Modified Piezoelectric Resonator. , 2020, , .		0
39	Discrimination of the maturity stages of Indian mango using QCM based electronic nose. , 2019, , .		9
40	Sensitive Detection of β -Myrcene in Mango Using Ethyl Cellulose Modified Quartz Crystal Microbalance Sensor. Materials Today: Proceedings, 2019, 18, 1025-1032.	0.9	2
41	Electrochemical Detection of Capsaicin Using Yttrium Oxide Nanoparticles Modified Graphite Paste Electrode (Y ₂ O ₃ /GPE). , 2019, , .		1
42	Identification and Classification of Sudan Dye I Adulterants in Turmeric Powder by NIR Spectroscopy and Support Vector Machine. , 2019, , .		1
43	Support vector machine regression on selected wavelength regions for quantitative analysis of caffeine in tea leaves by near infrared spectroscopy. Journal of Chemometrics, 2019, 33, e3172.	0.7	20
44	Selective and Sensitive Detection of Limonene in Mango using Molecularly Imprinted Polymer Based Quartz Crystal Microbalance Sensor. , 2019, , .		5
45	Development of a highly selective nickel cobalt oxide nanoparticles modified molecular imprinted polymer based sensor for detection of gallic acid in green tea. , 2019, , .		2
46	Development of Furaneol Imprinted Polymer Based QCM sensor for Discrimination of Artificially and Naturally Ripened Mango. , 2019, , .		6
47	Voltammetric Detection of Thymol (THY) Using Polyacrylamide Embedded Graphite Molecular Imprinted Polymer (PAM@G-MIP) Electrode. IEEE Sensors Journal, 2019, 19, 8583-8589.	2.4	8
48	FT-NIR spectroscopy coupled with multivariate analysis for detection of starch adulteration in turmeric powder. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2019, 36, 863-875.	1.1	47
49	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
50	Detecting Ocimene in mango using mustard oil based quartz crystal microbalance sensor. Sensors and Actuators B: Chemical, 2019, 284, 514-524.	4.0	14
51	ARMAX Modeling and Impedance Analysis of Voltammetric E-Tongue for Evaluation of Infused Tea. IEEE Sensors Journal, 2019, 19, 4098-4105.	2.4	12
52	Application of Electronic Nose and Tongue for Beverage Quality Evaluation. , 2019, , 229-254.		4
53	Development of an IOT based robust architecture for environmental monitoring using UAV. , 2019, , .		5
54	Extended Kalman Filtering for Estimation of Parasitic Artifacts in Three Electrode Electrochemical Sensors. , 2019, 3, 1-4.		3

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55	Tea Quality Prediction by Sparse Modeling of Electronic Tongue Signals. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3046-3053.	2.4	9
56	Detection of Benzene and Volatile Aromatic Compounds by Molecularly Imprinted Polymer-Coated Quartz Crystal Microbalance Sensor. IEEE Sensors Journal, 2019, 19, 885-892.	2.4	26
57	Determination of γ -Myrcene Volatile in Mango by Quartz Crystal Microbalance Sensor. IEEE Sensors Journal, 2019, 19, 893-900.	2.4	7
58	Development of a nickel hydroxide nanopetal decorated molecular imprinted polymer based electrode for sensitive detection of epigallocatechin-3-gallate in green tea. Sensors and Actuators B: Chemical, 2019, 283, 69-78.	4.0	25
59	Black tea classification employing feature fusion of E-Nose and E-Tongue responses. Journal of Food Engineering, 2019, 244, 55-63.	2.7	83
60	On-site estimation of total polyphenol in fresh tea leaf using near-infrared spectroscopy. NIR News, 2018, 29, 9-14.	1.6	2
61	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
62	Electromyogram (EMG) Signal Categorization in Parkinson's Disease Tremor Detection by Applying MLP (Multilayer Perceptron) Technique: A Review. Lecture Notes in Electrical Engineering, 2018, , 693-699.	0.3	1
63	A Hybrid Particle Swarm Optimization and Artificial Bee Colony Algorithm for Image Contrast Enhancement. Lecture Notes in Networks and Systems, 2018, , 277-285.	0.5	1
64	Molecular Imprinted Polymer Based Electrode for Sensing Catechin (+C) in Green Tea. IEEE Sensors Journal, 2018, 18, 2236-2244.	2.4	35
65	Detection of β -caryophyllene in mango using a quartz crystal microbalance sensor. Sensors and Actuators B: Chemical, 2018, 255, 3064-3073.	4.0	26
66	Application of Near-Infrared Spectroscopy for the Detection of Metanil Yellow in Turmeric Powder. Food Analytical Methods, 2018, 11, 1291-1302.	1.3	50
67	Linear Regression Modelling on Epigallocatechin-3-gallate Sensor Data for Green Tea. , 2018, , .		0
68	Comparison of Different Pre-processing Techniques towards Discrimination of Turmeric Powders using Near-infrared Spectra and Exploratory Data Analysis. , 2018, , .		1
69	Voltammetric Technique for Eugenol Analysis Using Polyoctyltriethoxysilane Molecular Imprinted Polymer Electrode. , 2018, , .		0
70	Discrimination of two cultivars of tomatoes using Electrochemical Quartz Crystal Microbalance sensor. , 2018, , .		0
71	Optimization of Electrode Array in Electronic Tongue for Classification of Black Tea. , 2018, , .		4
72	Comparison of Multivariable Techniques for Brand Classification of Turmeric Powders by Near-infrared (NIR) Spectroscopy. , 2018, , .		3

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73	Selection Of Optimum number Of Sensors Of An Electronic Tongue For Efficient Classification Of Black Tea: A Combinatorial Approach Based On Discrete Cosine Transform and Artificial Neural Network. , 2018, , .		1
74	Quality assessment of fresh tea leaves by estimating total polyphenols using near infrared spectroscopy. Journal of Food Science and Technology, 2018, 55, 4867-4876.	1.4	36
75	Voltammetric sensor for electrochemical determination of the floral origin of honey based on a zinc oxide nanoparticle modified carbon paste electrode. Journal of Sensors and Sensor Systems, 2018, 7, 319-329.	0.6	13
76	Electronic Noses in Food Analysis. Advances in Computer and Electrical Engineering Book Series, 2018, , 132-150.	0.2	0
77	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
78	Detection of theaflavins in black tea using a molecular imprinted polyacrylamide-graphite nanocomposite electrode. Sensors and Actuators B: Chemical, 2017, 246, 840-847.	4.0	38
79	Age Analysis of Jasmine Concrete Using Electronic Nose. IEEE Sensors Journal, 2017, 17, 3814-3821.	2.4	0
80	Electrospun gelatin nanofiber based self-powered bio-e-skin for health care monitoring. Nano Energy, 2017, 36, 166-175.	8.2	185
81	Feature Fusion for Prediction of Theaflavin and Thearubigin in Tea Using Electronic Tongue. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 1703-1710.	2.4	16
82	A Neuro Fuzzy Based Black Tea Classifying Technique Using Electronic Nose and Electronic Tongue. Advances in Intelligent Systems and Computing, 2017, , 477-484.	0.5	1
83	Development of metal oxide-modified carbon paste based sensor for honey analysis using electronic tongue. Materials Today: Proceedings, 2017, 4, 9500-9504.	0.9	2
84	An equivalent electrical network of an electronic tongue: A case study with tea samples. , 2017, , .		7
85	Fragrance Profiling of Jasminum Sambac Ait. Flowers Using Electronic Nose. IEEE Sensors Journal, 2017, 17, 160-168.	2.4	12
86	Cross-Perception Fusion Model of Electronic Nose and Electronic Tongue for Black Tea Classification. Communications in Computer and Information Science, 2017, , 407-415.	0.4	4
87	Morphological feature based maturity level identification of Kalmegh and Tulsi leaves. , 2017, , .		4
88	A machine vision based approach towards identification of adulterant in turmeric powder. , 2017, , .		0
89	Wavelength Selection for Prediction of Polyphenol Content in Inward Tea Leaves Using NIR. , 2017, , .		3
90	Discrimination of Tomatoes Based on Lycopene Using Cyclic Voltammetry. Sensor Letters, 2017, 15, 827-836.	0.4	1

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91	Sensors of Tin Oxide with Additives for Assessment of Tea Aroma and Determination of an Optimized Sensor Array Using Rough Set Theory. <i>Sensor Letters</i> , 2017, 15, 796-802.	0.4	0
92	Electronic Tongue for the Estimation of Important Quality Compounds in Finished Tea. , 2016, , 245-253.		3
93	Tea and the Use of the Electronic Nose. , 2016, , 125-135.		3
94	Voltammetric determination of catechins in green tea using stainless steel electrode. , 2016, , .		0
95	Prediction of polyphenol content in tea leaves using NIR spectroscopy. , 2016, , .		2
96	Discrimination of turmeric brands by means of near infrared (NIR) spectroscopy combined with chemometrics. , 2016, , .		1
97	SVD based tea quality prediction using electronic tongue signal. , 2016, , .		0
98	Development of a QCM sensor for detection of trans-2-hexenal in tomatoes. , 2016, , .		9
99	Multivariate preprocessing techniques towards optimising response of fused sensor from electronic nose and electronic tongue. , 2016, , .		4
100	Detection of 3-Carene in mango using a quartz crystal microbalance sensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 791-800.	4.0	26
101	Discrimination of black tea grades by means of cyclic voltammetry using polyacrylamide/exfoliated graphite composite electrode. , 2016, , .		0
102	Study on the potential of combined GLCM features towards medicinal plant classification. , 2016, , .		6
103	A Machine Vision Technique for Grading of Harvested Mangoes Based on Maturity and Quality. <i>IEEE Sensors Journal</i> , 2016, 16, 6387-6396.	2.4	89
104	A review on combined odor and taste sensor systems. <i>Journal of Food Engineering</i> , 2016, 190, 10-21.	2.7	73
105	Detection of Methyl Salicylate in Black Tea Using a Quartz Crystal Microbalance Sensor. <i>IEEE Sensors Journal</i> , 2016, 16, 5160-5166.	2.4	11
106	Tea Quality Prediction by Autoregressive Modeling of Electronic Tongue Signals. <i>IEEE Sensors Journal</i> , 2016, 16, 4470-4477.	2.4	19
107	A novel fuzzy based signal analysis technique in electronic nose and electronic tongue for black tea quality analysis. , 2016, , .		5
108	A MACHINE VISION SYSTEM FOR ESTIMATION OF THEAFLAVINS AND THEARUBIGINS IN ORTHODOX BLACK TEA. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2016, 9, 709-731.	0.4	10

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109	Identification of commercially available turmeric powders using color projection features. , 2016, , 95-98.		0
110	Incremental FCM Technique for Black Tea Quality Evaluation Using an Electronic Nose. Fuzzy Information and Engineering, 2015, 7, 275-289.	1.0	12
111	Multi-frequency Large Amplitude Pulse Voltammetric Electronic Tongue to Assess Key Compounds Imparting the Taste of Briskness to Finished Black Tea Liquor. , 2015, , .		2
112	Sliding Window-based DCT Features for Tea Quality Prediction Using Electronic Tongue. , 2015, , .		3
113	Selection of Optimum Level of Data Compression for Voltam metric Electronic Tongue Signal Using DWT. , 2015, , .		0
114	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
115	A Quartz Crystal Microbalance Sensor for Detection of Geraniol in Black Tea. IEEE Sensors Journal, 2015, 15, 1178-1185.	2.4	27
116	Towards artificial flavor perception of black tea. , 2015, , .		2
117	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
118	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
119	Electronic nose for on-line quality evaluation of black tea using incremental SOM techniques. , 2015, , .		2
120	Fragrance Measurement of Scented Rice using Electronic Nose. International Journal on Smart Sensing and Intelligent Systems, 2015, 8, 1730-1747.	0.4	2
121	Machine vision based automatic fruit grading system using fuzzy algorithm. , 2014, , .		14
122	Halftone Feature Based Classification of Commercial White Print Paper Using BP-MLP. , 2014, , .		0
123	Improved classification of black tea employing feature level fusion of electronic nose and tongue responses. , 2014, , .		1
124	Image contrast enhancement by vector evaluated particle swarm optimization (VEPSO). , 2014, , .		0
125	GA-based optimal feature weight and parameter selection of NPPC for tea quality estimation. , 2014, , .		0
126	Voltammetric technique for honey analysis using NiO/Nps modified carbon paste electrode. , 2014, , .		2

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127	Detection of linalool in black tea using a quartz crystal microbalance sensor. Sensors and Actuators B: Chemical, 2014, 190, 318-325.	4.0	31
128	Dealing With Redundant Features and Inconsistent Training Data in Electronic Nose: A Rough Set Based Approach. IEEE Sensors Journal, 2014, 14, 758-767.	2.4	10
129	A Novel Technique of Black Tea Quality Prediction Using Electronic Tongue Signals. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 2472-2479.	2.4	24
130	A Machine Vision-Based Maturity Prediction System for Sorting of Harvested Mangoes. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 1722-1730.	2.4	63
131	Artificial flavor perception of black tea using fusion of electronic nose and tongue response: A Bayesian statistical approach. Journal of Food Engineering, 2014, 142, 87-93.	2.7	53
132	Development of Quartz Crystal Microbalance Sensors for Tea Aroma Chemicals. Sensor Letters, 2014, 12, 1046-1052.	0.4	1
133	Improved Classification of Black Tea Employing Fuzzy Fusion of Electronic Nose and Tongue Responses. Sensor Letters, 2014, 12, 1065-1069.	0.4	0
134	Binary genetic algorithm-based pattern LUT for grayscale digital half-toning. Signal, Image and Video Processing, 2013, 7, 377-388.	1.7	3
135	Binary grayscale halftone pattern generation using binary artificial bee colony (bABC). Signal, Image and Video Processing, 2013, 7, 1195-1209.	1.7	2
136	Fusion of Electronic Nose and Tongue Response Using Fuzzy based Approach for Black Tea Classification. Procedia Technology, 2013, 10, 615-622.	1.1	17
137	Identification of monofloral honey using voltammetric electronic tongue. Journal of Food Engineering, 2013, 117, 205-210.	2.7	52
138	A temporal memory-based ordered dithering using recurrent neural network. Imaging Science Journal, 2013, 61, 109-119.	0.2	1
139	Features extraction from electronic nose employing genetic algorithm for black tea quality estimation. , 2013, , .		0
140	Doped ZnO Nanostructured Sensor in Electronic Nose for Detection of Ammonia, Hydrogen and Liquefied Petroleum Gas. Springer Proceedings in Physics, 2013, , 475-484.	0.1	1
141	Removal of Inconsistent Training Data in Electronic Nose Using Rough Set. Advances in Intelligent Systems and Computing, 2013, , 115-123.	0.5	1
142	Expressions invariant face recognition using SURF and Gabor features. , 2012, , .		10
143	Quartz crystal microbalance sensors for discrimination of black tea. , 2012, , .		0
144	Electronic nose with quartz crystal microbalance sensors to discriminate Indian black tea varieties. , 2012, , .		1

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145	Optimization of sensor array in electronic nose by combinational feature selection method. , 2012, , .		8
146	Regression model on electronic nose data from aromatic rice samples. , 2012, , .		2
147	Discrimination of monofloral honey using cyclic voltammetry. , 2012, , .		5
148	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
149	An automated machine vision based system for fruit sorting and grading. , 2012, , .		36
150	Towards optimized binary pattern generation for grayscale digital halftoning: A binary particle swarm optimization (BPSO) approach. Journal of Visual Communication and Image Representation, 2012, 23, 1245-1259.	1.7	9
151	Classification of black tea liquor using cyclic voltammetry. Journal of Food Engineering, 2012, 109, 120-126.	2.7	37
152	Estimation of theaflavin content in black tea using electronic tongue. Journal of Food Engineering, 2012, 110, 71-79.	2.7	41
153	Instrumental testing of tea by combining the responses of electronic nose and tongue. Journal of Food Engineering, 2012, 110, 356-363.	2.7	123
154	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
155	Discrimination of black tea using electronic nose and electronic tongue: A Bayesian classifier approach. , 2011, , .		4
156	Grayscale digital halftoning using binary PSO. , 2011, , .		0
157	Grayscale digital halftoning using BPSO-GA combined optimization technique. , 2011, , .		0
158	Classification of aromatic and non-aromatic rice using electronic nose and artificial neural network. , 2011, , .		10
159	Black tea quality evaluation using electronic nose: An Artificial Bee Colony approach. , 2011, , .		1
160	Application of artificial neural network for predicting weld quality in laser transmission welding of thermoplastics. Applied Soft Computing Journal, 2011, 11, 2548-2555.	4.1	77
161	Application of Recurrent Neural Network for Generating Grayscale Digital Half-Tone Images. , 2011, , .		1
162	Optimization of Sensor Array in Electronic Nose: A Rough Set-Based Approach. IEEE Sensors Journal, 2011, 11, 3001-3008.	2.4	30

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163	Electronic Nose Sensor Array Optimization Using Rough Set Theory. , 2011, , .		2
164	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.	2.4	99
165	Comparison of multivariate preprocessing techniques as applied to electronic tongue based pattern classification for black tea. Analytica Chimica Acta, 2010, 675, 8-15.	2.6	60
166	Comparison of ANN models to predict LDL level in Diabetes Mellitus type 2. , 2010, , .		5
167	An approach for ordered dither using artificial neural network. Proceedings of SPIE, 2010, , .	0.8	0
168	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.	2.4	51
169	Electronic nose for black tea quality evaluation by an incremental RBF network. Sensors and Actuators B: Chemical, 2009, 138, 90-95.	4.0	98
170	Normalization techniques for gas sensor array as applied to classification for black tea. International Journal on Smart Sensing and Intelligent Systems, 2009, 2, 176-189.	0.4	21
171	Preemptive identification of optimum fermentation time for black tea using electronic nose. Sensors and Actuators B: Chemical, 2008, 131, 110-116.	4.0	68
172	Illumination heating and physical raking for increasing sensitivity of electronic nose measurements with black tea. Sensors and Actuators B: Chemical, 2008, 131, 37-42.	4.0	22
173	Electronic Nose for Black Tea Classification and Correlation of Measurements With "Tea Taster" Marks. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 1313-1321.	2.4	146
174	Incremental PNN classifier for a versatile electronic nose. , 2008, , .		10
175	Virtual Instrumentation Based Voltammetric Electronic Tongue for Classification of Black Tea. , 2008, , .		1
176	Comparison of multivariate normalization techniques as applied to electronic nose based pattern classification for black tea. , 2008, , .		7
177	Portable Electronic Nose System for Aroma Classification of Black Tea. , 2008, , .		7
178	Smell Peak Prediction During Black Tea Fermentation Process Using Time-Delay Neural Network on Electronic Nose Data. , 2007, , .		5
179	Detection of optimum fermentation time for black tea manufacturing using electronic nose. Sensors and Actuators B: Chemical, 2007, 122, 627-634.	4.0	117
180	Monitoring of black tea fermentation process using electronic nose. Journal of Food Engineering, 2007, 80, 1146-1156.	2.7	116

#	ARTICLE	IF	CITATIONS
181	A deep neural network and random forests driven computer vision framework for identification and prediction of metanil yellow adulteration in turmeric powder. <i>Concurrency Computation Practice and Experience</i> , 0, , e6500.	1.4	0
182	A color channel based on multiple Random Forest coupled with a computer vision technique for the detection and prediction of Sudan dye adulteration in turmeric powder. <i>Color Research and Application</i> , 0, , .	0.8	0
183	Making an Electronic Nose Versatile. , 0, , 78-101.		0
184	DCT Coefficients Weighting (DCTCW)-Based Gray Wolf Optimization (GWO) for Brightness Preserving Image Contrast Enhancement. <i>International Journal of Image and Graphics</i> , 0, , .	1.2	0