Bipan Tudu

List of Publications by Year
in descending order

184 papers	3,089 citations	172386 29 h-index	189801 50 g-index
186 all docs	186 docs citations	186 times ranked	2383 citing authors

#	Article	IF	Citations
1	Electrospun gelatin nanofiber based self-powered bio-e-skin for health care monitoring. Nano Energy, 2017, 36, 166-175.	8.2	185
2	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.	2.4	146
3	Instrumental testing of tea by combining the responses of electronic nose and tongue. Journal of Food Engineering, 2012, 110, 356-363.	2.7	123
4	Detection of optimum fermentation time for black tea manufacturing using electronic nose. Sensors and Actuators B: Chemical, 2007, 122, 627-634.	4.0	117
5	Monitoring of black tea fermentation process using electronic nose. Journal of Food Engineering, 2007, 80, 1146-1156.	2.7	116
6	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
7	Electronic nose for black tea quality evaluation by an incremental RBF network. Sensors and Actuators B: Chemical, 2009, 138, 90-95.	4.0	98
8	A Machine Vision Technique for Grading of Harvested Mangoes Based on Maturity and Quality. IEEE Sensors Journal, 2016, 16, 6387-6396.	2.4	89
9	Design of a self-powered triboelectric face mask. Nano Energy, 2021, 79, 105387.	8.2	85
10	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
11	Black tea classification employing feature fusion of E-Nose and E-Tongue responses. Journal of Food Engineering, 2019, 244, 55-63.	2.7	83
12	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
13	A review on combined odor and taste sensor systems. Journal of Food Engineering, 2016, 190, 10-21.	2.7	73
14	Preemptive identification of optimum fermentation time for black tea using electronic nose. Sensors and Actuators B: Chemical, 2008, 131, 110-116.	4.0	68
15	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
16	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
17	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
18	Identification of monofloral honey using voltammetric electronic tongue. Journal of Food Engineering, 2013, 117, 205-210.	2.7	52

#	Article	IF	Citations
19	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
20	Application of Near-Infrared Spectroscopy for the Detection of Metanil Yellow in Turmeric Powder. Food Analytical Methods, 2018, 11, 1291-1302.	1.3	50
21	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
22	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
23	Estimation of theaflavin content in black tea using electronic tongue. Journal of Food Engineering, 2012, 110, 71-79.	2.7	41
24	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
25	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
26	Classification of black tea liquor using cyclic voltammetry. Journal of Food Engineering, 2012, 109, 120-126.	2.7	37
27	An automated machine vision based system for fruit sorting and grading. , 2012, , .		36
28	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
29	Molecular Imprinted Polymer Based Electrode for Sensing Catechin (+C) in Green Tea. IEEE Sensors Journal, 2018, 18, 2236-2244.	2.4	35
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	Optimization of Sensor Array in Electronic Nose: A Rough Set-Based Approach. IEEE Sensors Journal, 2011, 11, 3001-3008.	2.4	30
32	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
33	A Quartz Crystal Microbalance Sensor for Detection of Geraniol in Black Tea. IEEE Sensors Journal, 2015, 15, 1178-1185.	2.4	27
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	Detection of 3-Carene in mango using a quartz crystal microbalance sensor. Sensors and Actuators B: Chemical, 2016, 230, 791-800.	4.0	26
36	Detection of Î²-caryophyllene in mango using a quartz crystal microbalance sensor. Sensors and Actuators B: Chemical, 2018, 255, 3064-3073.	4.0	26

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	Tea Quality Prediction by Autoregressive Modeling of Electronic Tongue Signals. IEEE Sensors Journal, 2016, 16, 4470-4477.	2.4	19
47	Fusion of Electronic Nose and Tongue Response Using Fuzzy based Approach for Black Tea Classification. Procedia Technology, 2013, 10, 615-622.	1.1	17
48	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
49	Development of QCM sensor to detect Î±-terpinyl acetate in cardamom. Sensors and Actuators A: Physical, 2021, 319, 112521.	2.0	15
50	Machine vision based automatic fruit grading system using fuzzy algorithm. , 2014, , .		14
51	Detecting Ocimene in mango using mustard oil based quartz crystal microbalance sensor. Sensors and Actuators B: Chemical, 2019, 284, 514-524.	4.0	14
52	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
53	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
54	Incremental FCM Technique for Black Tea Quality Evaluation Using an Electronic Nose. Fuzzy Information and Engineering, 2015, 7, 275-289.	1.0	12

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55	Fragrance Profiling of Jasminum Sambac Ait. Flowers Using Electronic Nose. IEEE Sensors Journal, 2017, 17, 160-168.	2.4	12
56	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
57	ARMAX Modeling and Impedance Analysis of Voltammetric E-Tongue for Evaluation of Infused Tea. IEEE Sensors Journal, 2019, 19, 4098-4105.	2.4	12
58	Detection of Methyl Salicylate in Black Tea Using a Quartz Crystal Microbalance Sensor. IEEE Sensors Journal, 2016, 16, 5160-5166.	2.4	11
59	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
60	A study of vegetable oil modified QCM sensor to detect Î²-pinene in Indian cardamom. Talanta, 2022, 236, 122837.	2.9	11
61	Electrochemical Detection of Epicatechin in Green Tea Using Quercetin-Imprinted Polymer Graphite Electrode. IEEE Sensors Journal, 2021, 21, 26526-26533.	2.4	11
62	Incremental PNN classifier for a versatile electronic nose. , 2008, , .		10
63	Classification of aromatic and non-aromatic rice using electronic nose and artificial neural network. , 2011, , .		10
64	Expressions invariant face recognition using SURF and Gabor features. , 2012, , .		10
65	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
66	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
67	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
68	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
69	Development of a QCM sensor for detection of trans-2-hexenal in tomatoes. , 2016, , .		9
70	Discrimination of the maturity stages of Indian mango using QCM based electronic nose. , 2019, , .		9
71	Tea Quality Prediction by Sparse Modeling of Electronic Tongue Signals. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3046-3053.	2.4	9
72	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

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73	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
74	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
75	Optimization of sensor array in electronic nose by combinational feature selection method. , 2012, , .		8
76	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
77	Comparison of multivariate normalization techniques as applied to electronic nose based pattern classification for black tea. , 2008, , .		7
78	Portable Electronic Nose System for Aroma Classification of Black Tea. , 2008, , .		7
79	An equivalent electrical network of an electronic tongue: A case study with tea samples. , 2017, , .		7
80	Determination of <inline-formula> <tex-math notation="LaTeX">eta </tex-math> </inline-formula>-Myrcene Volatile in Mango by Quartz Crystal Microbalance Sensor. IEEE Sensors Journal, 2019, 19, 893-900.	2.4	7
81	Study on the potential of combined GLCM features towards medicinal plant classification. , 2016, , .		6
82	Development of Furaneol Imprinted Polymer Based QCM sensor for Discrimination of Artificially and Naturally Ripened Mango. , 2019, , .		6
83	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
84	Electrochemical Detection of Capsaicin in Chili Pepper Using Molecular Imprinted Poly Î²-Cyclodextrin Embedded Graphite (MIP-Î²-CD@G) Electrode. IEEE Sensors Journal, 2021, 21, 17657-17664.	2.4	6
85	Amine Functionalized MWCNTs Modified MIP-Based Electrode for Detection of Epicatechin in Tea. IEEE Sensors Journal, 2022, 22, 10323-10330.	2.4	6
86	Identification of the types of disease for tomato plants using a modified gray wolf optimization optimized <scp>MobileNetV2</scp> convolutional neural network architecture driven computer vision framework. Concurrency Computation Practice and Experience, 2022, 34, .	1.4	6
87	Smell Peak Prediction During Black Tea Fermentation Process Using Time-Delay Neural Network on Electronic Nose Data. , 2007, , .		5
88	Comparison of ANN models to predict LDL level in Diabetes Mellitus type 2. , 2010, , .		5
89	Discrimination of monofloral honey using cyclic voltammetry. , 2012, , .		5
90	A novel fuzzy based signal analysis technique in electronic nose and electronic tongue for black tea quality analysis. , 2016, , .		5

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91	Selective and Sensitive Detection of Limonene in Mango using Molecularly Imprinted Polymer Based Quartz Crystal Microbalance Sensor. , 2019, , .		5
92	Development of an IOT based robust architecture for environmental monitoring using UAV. , 2019, , .		5
93	Nonlinear Modeling of Voltammetric Sensor Signals: Application to the E-Tongue Measurement. IEEE Sensors Journal, 2020, 20, 14237-14244.	2.4	5
94	Discrimination of black tea using electronic nose and electronic tongue: A Bayesian classifier approach. , 2011, , .		4
95	Multivariate preprocessing techniques towards optimising response of fused sensor from electronic nose and electronic tongue. , 2016, , .		4
96	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
97	Morphological feature based maturity level identification of Kalmegh and Tulsi leaves. , 2017, , .		4
98	Optimization of Electrode Array in Electronic Tongue for Classification of Black Tea. , 2018, , .		4
99	Application of Electronic Nose and Tongue for Beverage Quality Evaluation. , 2019, , 229-254.		4
100	Voltammetric Electrode Array Optimization for Black Tea Discrimination Using Computational Intelligence Approach. IEEE Sensors Journal, 2021, 21, 20589-20595.	2.4	4
101	Binary genetic algorithm-based pattern LUT for grayscale digital half-toning. Signal, Image and Video Processing, 2013, 7, 377-388.	1.7	3
102	Sliding Window-based DCT Features for Tea Quality Prediction Using Electronic Tongue. , 2015, , .		3
103	Electronic Tongue for the Estimation of Important Quality Compounds in Finished Tea. , 2016, , 245-253.		3
104	Tea and the Use of the Electronic Nose. , 2016, , 125-135.		3
105	Wavelength Selection for Prediction of Polyphenol Content in Inward Tea Leaves Using NIR. , 2017, , .		3
106	Comparison of Multivariable Techniques for Brand Classification of Turmeric Powders by Near-infrared (NIR) Spectroscopy. , 2018, , .		3
107	Extended Kalman Filtering for Estimation of Parasitic Artifacts in Three Electrode Electrochemical Sensors. , 2019, 3, 1-4.		3
108	Novel method for real-time burden profile measurement at blast furnace. Ironmaking and Steelmaking, 2021, 48, 579-585.	1.1	3

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109	Multivariate Analysis of Formalin Using UV-Vis Spectroscopy. , 2021, , .		3
110	Electronic Nose Sensor Array Optimization Using Rough Set Theory. , 2011, , .		2
111	Regression model on electronic nose data from aromatic rice samples. , 2012, , .		2
112	Binary grayscale halftone pattern generation using binary artificial bee colony (bABC). Signal, Image and Video Processing, 2013, 7, 1195-1209.	1.7	2
113	Voltammetric technique for honey analysis using NiO/Nps modified carbon paste electrode. , 2014, , .		2
114	Multi-frequency Large Amplitude Pulse Voltammetric Electronic Tongue to Assess Key Compounds Imparting the Taste of Briskness to Finished Black Tea Liquor. , 2015, , .		2
115	Towards artificial flavor perception of black tea. , 2015, , .		2
116	Electronic nose for on-line quality evaluation of black tea using incremental SOM techniques. , 2015, , .		2
117	Prediction of polyphenol content in tea leaves using NIR spectroscopy. , 2016, , .		2
118	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
119	On-site estimation of total polyphenol in fresh tea leaf using near-infrared spectroscopy. NIR News, 2018, 29, 9-14.	1.6	2
120	Sensitive Detection of Î²-Myrcene in Mango Using Ethyl Cellulose Modified Quartz Crystal Microbalance Sensor. Materials Today: Proceedings, 2019, 18, 1025-1032.	0.9	2
121	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
122	Fish Freshness Assessment using NIR spectroscopy. , 2020, , .		2
123	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
124	Fragrance Measurement of Scented Rice using Electronic Nose. International Journal on Smart Sensing and Intelligent Systems, 2015, 8, 1730-1747.	0.4	2
125	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
126	Voltammetric Detection of Inositol Using a Platinum Based Electrode. Nano LIFE, 2022, 12, .	0.6	2

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127	Virtual Instrumentation Based Voltammetric Electronic Tongue for Classification of Black Tea. , 2008, , .		1
128	Black tea quality evaluation using electronic nose: An Artificial Bee Colony approach. , 2011, , .		1
129	Application of Recurrent Neural Network for Generating Grayscale Digital Half-Tone Images. , 2011, , .		1
130	Electronic nose with quartz crystal microbalance sensors to discriminate Indian black tea varieties. , 2012, , .		1
131	A temporal memory-based ordered dithering using recurrent neural network. Imaging Science Journal, 2013, 61, 109-119.	0.2	1
132	Improved classification of black tea employing feature level fusion of electronic nose and tongue responses. , 2014, , .		1
133	Discrimination of turmeric brands by means of near infrared (NIR) spectroscopy combined with chemometrics. , 2016, , .		1
134	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
135	Electromyogram (EMG) Signal Categorization in Parkinsonâ€™s Disease Tremor Detection by Applying MLP (Multilayer Perceptron) Technique: A Review. Lecture Notes in Electrical Engineering, 2018, , 693-699.	0.3	1
136	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
137	Comparison of Different Pre-processing Techniques towards Discrimination of Turmeric Powders using Near-infrared Spectra and Exploratory Data Analysis. , 2018, , .		1
138	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
139	Electrochemical Detection of Capsaicin Using Yttrium Oxide Nanoparticles Modified Graphite Paste Electrode (Y2O3/GPE). , 2019, , .		1
140	Identification and Classification of Sudan Dye I Adulterants in Turmeric Powder by Nir Spectroscopy and Support Vector Machine. , 2019, , .		1
141	Development of Linseed Oil Based Quartz Crystal Microbalance Sensor for Detection of Trimethylamine. , 2020, , .		1
142	Detection of Curcumin using a Simple and Sensitive Molecularly Imprinted Polymer (MIP) Embedded Graphite Electrode Based Electrochemical Sensor. , 2020, , .		1
143	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
144	Development of Quartz Crystal Microbalance Sensors for Tea Aroma Chemicals. Sensor Letters, 2014, 12, 1046-1052.	0.4	1

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145	Discrimination of Tomatoes Based on Lycopene Using Cyclic Voltammetry. Sensor Letters, 2017, 15, 827-836.	0.4	1
146	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
147	Removal of Inconsistent Training Data in Electronic Nose Using Rough Set. Advances in Intelligent Systems and Computing, 2013, , 115-123.	0.5	1
148	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
149	Image Contrast Enhancement Using HistogramÂEqualization-Based Grey Wolf Optimizer (GWO). Lecture Notes in Electrical Engineering, 2020, , 207-214.	0.3	1
150	An approach for ordered dither using artificial neural network. Proceedings of SPIE, 2010, , .	0.8	0
151	Grayscale digital halftoning using binary PSO. , 2011, , .		0
152	Grayscale digital halftoning using BPSO-GA combined optimization technique. , 2011, , .		0
153	Quartz crystal microbalance sensors for discrimination of black tea. , 2012, , .		0
154	Features extraction from electronic nose employing genetic algorithm for black tea quality estimation. , 2013, , .		0
155	Halftone Feature Based Classification of Commercial White Print Paper Using BP-MLP. , 2014, , .		0
156	Image contrast enhancement by vector evaluated particle swarm optimization (VEPSO). , 2014, , .		0
157	GA-based optimal feature weight and parameter selection of NPPC for tea quality estimation. , 2014, , .		0
158	Selection of Optimum Level of Data Compression for Voltam metric Electronic Tongue Signal Using DWT. , 2015, , .		0
159	Voltammetric determination of catechins in green tea using stainless steel electrode. , 2016, , .		0
160	SVD based tea quality prediction using electronic tongue signal. , 2016, , .		0
161	Discrimination of black tea grades by means of cyclic voltammetry using polyacrylamide/exfoliated graphite composite electrode. , 2016, , .		0
162	Age Analysis of Jasmine Concrete Using Electronic Nose. IEEE Sensors Journal, 2017, 17, 3814-3821.	2.4	0

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163	A machine vision based approach towards identification of adulterant in turmeric powder. , 2017, , .		0
164	Linear Regression Modelling on Epigallocatechin-3-gallate Sensor Data for Green Tea. , 2018, , .		0
165	Voltammetric Technique for Eugenol Analysis Using Polyoctyltriethoxysilane Molecular Imprinted Polymer Electrode. , 2018, , .		0
166	Discrimination of two cultivars of tomatoes using Electrochemical Quartz Crystal Microbalance sensor. , 2018, , .		0
167	Estimation of Theophylline in Black Tea Using NIR Spectroscopy. , 2020, , .		0
168	Discrimination of Various Clones of Black Tea Using NIR Spectroscopy. , 2020, , .		0
169	Development of an android platform for monitoring QCM sensor-array based Electronic Nose. , 2020, , .		0
170	Development of Molecularly Engraved Polymer Based Sensor for Detection of Theobromine in Tea. , 2021, , .		0
171	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
172	A deep neural network and random forests driven computer vision framework for identification and prediction of metanil yellow adulteration in turmeric powder. Concurrency Computation Practice and Experience, 0, , e6500.	1.4	0
173	A color channel based on multiple Random Forest coupled with a computer vision technique for the detection and prediction of Sudan dyeâ€‰ adulteration in turmeric powder. Color Research and Application, 0, , .	0.8	0
174	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
175	Improved Classification of Black Tea Employing Fuzzy Fusion of Electronic Nose and Tongue Responses. Sensor Letters, 2014, 12, 1065-1069.	0.4	0
176	Identification of commercially available turmeric powders using color projection features. , 2016, , 95-98.		0
177	Sensors of Tin Oxide with Additives for Assessment of Tea Aroma and Determination of an Optimized Sensor Array Using Rough Set Theory. Sensor Letters, 2017, 15, 796-802.	0.4	0
178	Electronic Noses in Food Analysis. Advances in Computer and Electrical Engineering Book Series, 2018, , 132-150.	0.2	0
179	Electronic Tongue for Tea Quality Assessment. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2020, , 108-128.	0.5	0
180	Making an Electronic Nose Versatile. , 0, , 78-101.		0

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181	Microcontroller Based Sensor-Array Data Acquisition System for Electronic Nose. , 2020, , .		0
182	Identification of The Important Volatile Organic Component in Cardamom based on Silica-Modified Piezoelectric Resonator. , 2020, , .		0
183	DCT Coefficients Weighting (DCTCW)-Based Gray Wolf Optimization (GWO) for Brightness Preserving Image Contrast Enhancement. International Journal of Image and Graphics, 0, , .	1.2	0
184	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