

# Corrado Di Natale

## List of Publications by Year in descending order

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Version: 2024-02-01

538  
papers

15,422  
citations

18887

64  
h-index

37326

100  
g-index

572  
all docs

572  
docs citations

572  
times ranked

12849  
citing authors

#	ARTICLE	IF	CITATIONS
1	Principles of odor coding in vertebrates and artificial chemosensory systems. <i>Physiological Reviews</i> , 2022, 102, 61-154.	13.1	34
2	Combinatorial selectivity with an array of phthalocyanines functionalized TiO <sub>2</sub> /ZnO heterojunction thin film sensors. <i>Nanotechnology</i> , 2022, 33, 075503.	1.3	10
3	Corroles at work: a small macrocycle for great applications. <i>Chemical Society Reviews</i> , 2022, 51, 1277-1335.	18.7	67
4	A Lab-on-a-Chip Based Automatic Platform for Continuous Nitrites Sensing in Aquaculture. <i>Sensors</i> , 2022, 22, 444.	2.1	6
5	A ZIF-67 derived Co <sub>3</sub> O <sub>4</sub> dodecahedron shaped microparticle electrode based extended gate field-effect transistor for non-enzymatic glucose detection towards the diagnosis of diabetes mellitus. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5345-5355.	2.7	16
6	Advances in Optical Sensors for Persistent Organic Pollutant Environmental Monitoring. <i>Sensors</i> , 2022, 22, 2649.	2.1	17
7	Phosphorous (V) Corrole Fluorophores for Nitrite Assessment in Environmental and Biological Samples. <i>Chemosensors</i> , 2022, 10, 107.	1.8	5
8	Colour Catcher® sheet beyond the laundry: A low-cost support for realizing porphyrin-based mercury ion sensors. <i>Sensors and Actuators B: Chemical</i> , 2022, 364, 131900.	4.0	7
9	Remote tracking of Galápagos pink land iguana reveals large elevational shifts in habitat use. <i>Journal for Nature Conservation</i> , 2022, 68, 126210.	0.8	1
10	Urinary volatile recognition for COVID-19 diagnosis. , 2022, , .		0
11	Notice of Removal: A Movie Should Be Forever: Monitoring the Degradation Pathway of Photographic Films. , 2022, , .		0
12	Machine learning phenomics (MLP) combining deep learning with time-lapse-microscopy for monitoring colorectal adenocarcinoma cells gene expression and drug-response. <i>Scientific Reports</i> , 2022, 12, .	1.6	10
13	Odorant Binding Proteins and Porphyrins Mixed Gas Sensor Array. , 2022, , .		0
14	Exploiting spectral information in Opto-Electronic Tweezers for cell classification and drug response evaluation. <i>Sensors and Actuators B: Chemical</i> , 2022, 368, 132200.	4.0	8
15	The Chemical Sensitivity of Hybrid Porphyrin Materials. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 939-939.	0.0	0
16	Porphyrinoids coated silica nanoparticles capacitive sensors for COVID-19 detection from the analysis of blood serum volatolome. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132329.	4.0	3
17	Multi-scale generative adversarial network for improved evaluation of cell-cell interactions observed in organ-on-chip experiments. <i>Neural Computing and Applications</i> , 2021, 33, 3671-3689.	3.2	13
18	Light-Activated Porphyrinoid-Capped Nanoparticles for Gas Sensing. <i>ACS Applied Nano Materials</i> , 2021, 4, 414-424.	2.4	19

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19	The strength in Numbers! Porphyrin hybrid nanostructured materials for chemical sensing. Dalton Transactions, 2021, 50, 5724-5731.	1.6	4
20	LOX-1 and cancer: an indissoluble liaison. Cancer Gene Therapy, 2021, 28, 1088-1098.	2.2	53
21	The Long-Lasting Story of One Sensor Development: From Novel Ionophore Design toward the Sensor Selectivity Modeling and Lifetime Improvement. Sensors, 2021, 21, 1401.	2.1	6
22	Simple Yeast-Direct Catalytic Fuel Cell Bio-Device: Analytical Results and Energetic Properties. Biosensors, 2021, 11, 45.	2.3	4
23	Recent Advances in Chemical Sensors Using Porphyrin-Carbon Nanostructure Hybrid Materials. Nanomaterials, 2021, 11, 997.	1.9	21
24	Optimizing MOX sensor array performances with a reconfigurable self-adaptive temperature modulation interface. Sensors and Actuators B: Chemical, 2021, 333, 129509.	4.0	19
25	Deep-MEG: spatiotemporal CNN features and multiband ensemble classification for predicting the early signs of Alzheimer's disease with magnetoencephalography. Neural Computing and Applications, 2021, 33, 14651-14667.	3.2	10
26	Keeping Track of Phaeodactylum tricornutum (Bacillariophyta) Culture Contamination by Potentiometric E-Tongue. Sensors, 2021, 21, 4052.	2.1	1
27	NeurITES. Monitoring neurite changes through transfer entropy and semantic segmentation in bright-field time-lapse microscopy. Patterns, 2021, 2, 100261.	3.1	6
28	Sensor array and gas chromatographic detection of the blood serum volatolomic signature of COVID-19. IScience, 2021, 24, 102851.	1.9	20
29	Urine LOX-1 and Volatilome as Promising Tools towards the Early Detection of Renal Cancer. Cancers, 2021, 13, 4213.	1.7	15
30	Optimization of gas sensors measurements by dynamic headspace analysis supported by simultaneous direct injection mass spectrometry. Sensors and Actuators B: Chemical, 2021, 347, 130580.	4.0	2
31	A New Clark-Type Layered Double Hydroxides-Enzyme Biosensor for H <sub>2</sub> O <sub>2</sub> Determination in Highly Diluted Real Matrices: Milk and Cosmetics. Processes, 2021, 9, 1878.	1.3	7
32	Tunable visible light enhanced triethylamine adsorption on pH dependent ZnO nanostructures: An investigation by scanning Kelvin probe. Surfaces and Interfaces, 2021, 27, 101507.	1.5	8
33	Compared EC-AFM Analysis of Laser-Induced Graphene and Graphite Electrodes in Sulfuric Acid Electrolyte. Molecules, 2021, 26, 7333.	1.7	0
34	Seeding Chiral Ensembles of Prolinated Porphyrin Derivatives on Glass Surface: Simple and Rapid Access to Chiral Porphyrin Films. Frontiers in Chemistry, 2021, 9, 804893.	1.8	4
35	Sensor-Embedded Face Masks for Detection of Volatiles in Breath: A Proof of Concept Study. Chemosensors, 2021, 9, 356.	1.8	6
36	Introduction to semiconductor gas sensors. , 2020, , 133-157.		1

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37	Deciphering Cancer Cell Behavior From Motility and Shape Features: Peer Prediction and Dynamic Selection to Support Cancer Diagnosis and Therapy. <i>Frontiers in Oncology</i> , 2020, 10, 580698.	1.3	9
38	Tunable Supramolecular Chirogenesis in the Self-Assembling of Amphiphilic Porphyrin Triggered by Chiral Amines. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8557.	1.8	5
39	Sensor systems. , 2020, , 201-220.		2
40	<i>Aspergillus</i> Species Discrimination Using a Gas Sensor Array. <i>Sensors</i> , 2020, 20, 4004.	2.1	14
41	Accelerating the experimental responses on cell behaviors: a long-term prediction of cell trajectories using Social Generative Adversarial Network. <i>Scientific Reports</i> , 2020, 10, 15635.	1.6	8
42	Porphyryns Through the Looking Glass: Spectroscopic and Mechanistic Insights in Supramolecular Chirogenesis of New Self-Assembled Porphyrin Derivatives. <i>Frontiers in Chemistry</i> , 2020, 8, 587842.	1.8	10
43	Discovering the hidden messages within cell trajectories using a deep learning approach for in vitro evaluation of cancer drug treatments. <i>Scientific Reports</i> , 2020, 10, 7653.	1.6	34
44	Experimental determination of the mass sensitivity of quartz microbalances coated by an optical dye. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128373.	4.0	14
45	A Camera Sensors-Based System to Study Drug Effects on In Vitro Motility: The Case of PC-3 Prostate Cancer Cells. <i>Sensors</i> , 2020, 20, 1531.	2.1	5
46	Direct Catalytic Fuel Cell Device Coupled to Chemometric Methods to Detect Organic Compounds of Pharmaceutical and Biomedical Interest. <i>Sensors</i> , 2020, 20, 3615.	2.1	3
47	Potentiometric E-Tongue System for Geosmin/Isoborneol Presence Monitoring in Drinkable Water. <i>Sensors</i> , 2020, 20, 821.	2.1	18
48	Si-corrole-based fluoride fluorometric turn-on sensor. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 929-937.	0.4	8
49	Smartphone coupled with a paper-based optode: Towards a selective cyanide detection. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 964-972.	0.4	14
50	Olfactory Atlases with an Array of Porphyrinoids Coated ZnO Nanoparticle. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 1861-1861.	0.0	0
51	Roberto Paolesse and the sensors group at the university of Rome Tor Vergata: (âœœthe world will) Tj ETQq1 1 0.784314 rgBT /Overl ii-x.	0.4	0
52	Styrene Detection in Water By Polythiophene Nanoparticles Suspension. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2388-2388.	0.0	0
53	Integration of Porphyrinoids Based Gas Sensor Arrays with Direct Injection Mass Spectrometry. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 911-911.	0.0	0
54	Electrical transport properties and impedance analysis of Au/ZnO nanorods/ITO heterojunction device. <i>Nano Express</i> , 2020, 1, 030020.	1.2	12

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55	Sensing with Memristive Complementary Resistive Switch: Modelling and Simulations. , 2020, , .		1
56	Aggregation behavior in naphthalene-appended diketopyrrolopyrrole derivatives and its gas adsorption impact on surface potential. Journal of Materials Chemistry C, 2019, 7, 9954-9965.	2.7	34
57	Self-Repairing classification algorithms for chemical sensor array. Sensors and Actuators B: Chemical, 2019, 297, 126721.	4.0	15
58	Online Feature Selection for Robust Classification of the Microbiological Quality of Traditional Vanilla Cream by Means of Multispectral Imaging. Sensors, 2019, 19, 4071.	2.1	8
59	Simultaneous Proton Transfer Reaction-Mass Spectrometry and electronic nose study of the volatile compounds released by Plasmodium falciparum infected red blood cells in vitro. Scientific Reports, 2019, 9, 12360.	1.6	12
60	Simultaneous measurements with proton transfer reaction - time of flight and gas sensor array. , 2019, , .		1
61	Targeting LOX-1 Inhibits Colorectal Cancer Metastasis in an Animal Model. Frontiers in Oncology, 2019, 9, 927.	1.3	27
62	Monitoring Shelf Life of Carrots with a Peptides Based Electronic Nose. Lecture Notes in Electrical Engineering, 2019, , 69-74.	0.3	1
63	Gas Sensing with Porphyrin Functionalized Metal Oxide Nanostructures. Proceedings (mdpi), 2019, 14, 28.	0.2	0
64	The Influence of Uncertainty Contributions on Deep Learning Architectures in Vision-Based Evaluation Systems. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 2425-2432.	2.4	8
65	The influence of spatial and temporal resolutions on the analysis of cell-cell interaction: a systematic study for time-lapse microscopy applications. Scientific Reports, 2019, 9, 6789.	1.6	25
66	Chemical traffic light: A self-calibrating naked-eye sensor for fluoride. Journal of Porphyrins and Phthalocyanines, 2019, 23, 117-124.	0.4	9
67	Chiral Selectivity of Porphyrinâ€ZnO Nanoparticle Conjugates. ACS Applied Materials & Interfaces, 2019, 11, 12077-12087.	4.0	42
68	The Design of an Energy Harvesting Wireless Sensor Node for Tracking Pink Iguanas. Sensors, 2019, 19, 985.	2.1	35
69	From Petri Dishes to Organ on Chip Platform: The Increasing Importance of Machine Learning and Image Analysis. Frontiers in Pharmacology, 2019, 10, 100.	1.6	26
70	Sensors for Lung Cancer Diagnosis. Journal of Clinical Medicine, 2019, 8, 235.	1.0	32
71	Learning Cancer-Related Drug Efficacy Exploiting Consensus in Coordinated Motility Within Cell Clusters. IEEE Transactions on Biomedical Engineering, 2019, 66, 2882-2888.	2.5	21
72	Electrospinning of Polystyrene/Polyhydroxybutyrate Nanofibers Doped with Porphyrin and Graphene for Chemiresistor Gas Sensors. Nanomaterials, 2019, 9, 280.	1.9	49

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73	Chemical Sensors for Water Potability Assessment. , 2019, , 177-208.		6
74	Development of a Sensor Node for Remote Monitoring of Plants. Sensors, 2019, 19, 4865.	2.1	23
75	The Assembly of Porphyrin Systems in Well-Defined Nanostructures: An Update. Molecules, 2019, 24, 4307.	1.7	47
76	Joining Chromophores: a Porphyrin-BPI Fused System. European Journal of Organic Chemistry, 2019, 2019, 655-659.	1.2	1
77	Chiral Discrimination By Porphyrin Supramolecular Aggregates Based Chemical Sensors. ECS Meeting Abstracts, 2019, , .	0.0	0
78	Efficient sensing approaches for high-density memristor sensor array. Journal of Computational Electronics, 2018, 17, 1285-1296.	1.3	22
79	Graphene oxide-based radiofrequency identification wearable sensor for breath monitoring. IET Microwaves, Antennas and Propagation, 2018, 12, 467-471.	0.7	20
80	Non-enzymatic portable optical sensors for microcystin-LR. Chemical Communications, 2018, 54, 2747-2750.	2.2	15
81	Unsupervised On-Line Selection of Training Features for a robust classification with drifting and faulty gas sensors. Sensors and Actuators B: Chemical, 2018, 258, 1242-1251.	4.0	20
82	Recent advances in magnesium assessment: From single selective sensors to multisensory approach. Talanta, 2018, 179, 430-441.	2.9	28
83	Ultra Low Power Wireless Sensor Network for Pink Iguanas Monitoring. Proceedings (mdpi), 2018, 2, .	0.2	5
84	Development of Gas Sensor Array based on Phthalocyanines Functionalized TiO <sub>2</sub> /ZnO Heterojunction Thin Films. Proceedings (mdpi), 2018, 2, 1042.	0.2	0
85	An emotional modulation model as signature for the identification of children developmental disorders. Scientific Reports, 2018, 8, 14487.	1.6	9
86	A closed-form solution to the graph total variation problem for continuous emotion profiling in noisy environment. Speech Communication, 2018, 104, 66-72.	1.6	4
87	Porphyrinoid Thin Films for Chemical Sensing. , 2018, , 422-443.		8
88	Electronic Tongue for Brand Uniformity Control: A Case Study of Apulian Red Wines Recognition and Defects Evaluation â€. Sensors, 2018, 18, 2584.	2.1	20
89	Crown-Porphyrin Ligand for Optical Sensors Development. Proceedings (mdpi), 2018, 2, 922.	0.2	2
90	Chemically mediated species recognition in two sympatric Grayling butterflies: Hipparchia fagi and Hipparchia hermione (Lepidoptera: Nymphalidae, Satyrinae). PLoS ONE, 2018, 13, e0199997.	1.1	11

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91	Breathomics for Assessing the Effects of Treatment and Withdrawal With Inhaled Beclomethasone/Formoterol in Patients With COPD. <i>Frontiers in Pharmacology</i> , 2018, 9, 258.	1.6	25
92	Volatile compounds emission from teratogenic human pluripotent stem cells observed during their differentiation in vivo. <i>Scientific Reports</i> , 2018, 8, 11056.	1.6	10
93	Porphyrin-Functionalized Zinc Oxide Nanostructures for Sensor Applications. <i>Sensors</i> , 2018, 18, 2279.	2.1	25
94	Peptide Modified ZnO Nanoparticles as Gas Sensors Array for Volatile Organic Compounds (VOCs). <i>Frontiers in Chemistry</i> , 2018, 6, 105.	1.8	41
95	A Fluorescent Sensor Array Based on Heteroatomic Macrocyclic Fluorophores for the Detection of Polluting Species in Natural Water Samples. <i>Frontiers in Chemistry</i> , 2018, 6, 258.	1.8	23
96	Uncertainty Evaluation of a VBM System for AFM Study of Cell-Cerium Oxide Nanoparticles Interactions. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2018, 67, 1564-1572.	2.4	8
97	Design and Experimentation of a Batteryless On-Skin RFID Graphene-Oxide Sensor for the Monitoring and Discrimination of Breath Anomalies. <i>IEEE Sensors Journal</i> , 2018, 18, 8893-8901.	2.4	35
98	In-Vivo and In-Vitro Metabolomics with Porphyrins Based Sensor Arrays. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	1
99	Novel Corroles for Chemical Sensor Applications. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
100	Reduction of false-positives in a CAD scheme for automated detection of architectural distortion in digital mammography. , 2018, , .		2
101	Continuous Estimation of Emotions in Speech by Dynamic Cooperative Speaker Models. <i>IEEE Transactions on Affective Computing</i> , 2017, 8, 314-327.	5.7	36
102	Equivalent electric circuits for chemical sensors in the Langmuir regime. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 214-220.	4.0	13
103	â€˜Rough guideâ€™™ evanescent wave optrode for colorimetric metalloporphyrine sensors. <i>Talanta</i> , 2017, 164, 228-232.	2.9	4
104	Sensor array detection of malaria volatile signature in a murine model. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 341-351.	4.0	12
105	Cooperative strategy for a dynamic ensemble of classification models in clinical applications: the case of MRI vertebral compression fractures. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017, 12, 1971-1983.	1.7	8
106	Surface arrangement dependent selectivity of porphyrins gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 524-532.	4.0	30
107	A preliminary analysis of volatile metabolites of human induced pluripotent stem cells along the in vitro differentiation. <i>Scientific Reports</i> , 2017, 7, 1621.	1.6	15
108	Diagnosis of pulmonary tuberculosis and assessment of treatment response through analyses of volatile compound patterns in exhaled breath samples. <i>Journal of Infection</i> , 2017, 74, 367-376.	1.7	72

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109	Organs on chip approach: a tool to evaluate cancer-immune cells interactions. Scientific Reports, 2017, 7, 12737.	1.6	69
110	Robust classification of biological samples in atomic force microscopy images via multiple filtering cooperation. Knowledge-Based Systems, 2017, 133, 221-233.	4.0	6
111	Systematic approach in Mg <sup>2+</sup> ions analysis with a combination of tailored fluorophore design. Analytica Chimica Acta, 2017, 988, 96-103.	2.6	16
112	Substituted Corroles: A Route to the Preparation of Functionalized Polyacrolein Microspheres for Chemical Sensor Applications. Chemistry - A European Journal, 2017, 23, 14819-14826.	1.7	14
113	Interaction of Pyrene Ligands with Neat and Defective Two Dimensional ZnO: A First Principles Study. MRS Advances, 2017, 2, 2799-2805.	0.5	0
114	Identification of stem cells differentiation steps. , 2017, , .		0
115	Mini-DIAL system measurements coupled with multivariate data analysis to identify TIC and TIM simulants: preliminary absorption database analysis.. Journal of Physics: Conference Series, 2017, 778, 012004.	0.3	2
116	Wireless monitoring of breath by means of a graphene oxide-based radiofrequency identification wearable sensor. , 2017, , .		13
117	Porphyrinoids for Chemical Sensor Applications. Chemical Reviews, 2017, 117, 2517-2583.	23.0	590
118	Towards localization of malignant sites of asymmetry across bilateral mammograms. Computer Methods and Programs in Biomedicine, 2017, 140, 11-18.	2.6	12
119	Tailoring gas sensor arrays via the design of short peptides sequences as binding elements. Biosensors and Bioelectronics, 2017, 93, 161-169.	5.3	36
120	AFM-based robust image analysis to contrast reversal effects in cell-cerium oxide nanoparticles interactions. , 2017, , .		3
121	Normalizing brain activity across individuals using functional reference mapping. Scientific Reports, 2017, 7, 17128.	1.6	2
122	Reliable gas sensing with memristive array. , 2017, , .		4
123	Porphyrins for olfaction mimic: The Rome Tor Vergata approach. Journal of Porphyrins and Phthalocyanines, 2017, 21, 769-781.	0.4	15
124	An epidermal graphene oxide-based RFID sensor for the wireless analysis of human breath. , 2017, , .		14
125	FRIO012...Role of volatile compounds released by synovial fluid in the diagnosis of osteoarthritis and rheumatoid arthritis of the knee joint. , 2017, , .		1
126	Enhance of Sensitivity of Corrole Functionalized Polymeric Microspheres Coated Quartz Microbalances. Proceedings (mdpi), 2017, 1, 406.	0.2	0



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127	Conductive Photo-Activated Porphyrin-ZnO Nanostructured Gas Sensor Array. <i>Sensors</i> , 2017, 17, 747.	2.1	17
128	Chemical Sensors and Biosensors in Italy: A Review of the 2015 Literature. <i>Sensors</i> , 2017, 17, 868.	2.1	22
129	Optimizing an array of self adapted temperature modulated metal oxide sensors for biomedical application. , 2017, , .		1
130	An array of physical sensors and an adaptive regression strategy for emotion recognition in a noisy scenario. <i>Sensors and Actuators A: Physical</i> , 2017, 267, 48-59.	2.0	12
131	GC/MS-based Analysis of Volatile Metabolic Profile Along in vitro Differentiation of Human Induced Pluripotent Stem Cells. <i>Bio-protocol</i> , 2017, 7, e2642.	0.2	3
132	The Identification of Diseases with Porphyrin Sensors. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
133	Porphyrinoids Based Hybrid Materials for Chemical Sensor Applications. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
134	Identification of a Large Pool of Microorganisms with an Array of Porphyrin Based Gas Sensors. <i>Sensors</i> , 2016, 16, 466.	2.1	13
135	An Exploration of the Metal Dependent Selectivity of a Metalloporphyrins Coated Quartz Microbalances Array. <i>Sensors</i> , 2016, 16, 1640.	2.1	18
136	Strength Is in Numbers: Can Concordant Artificial Listeners Improve Prediction of Emotion from Speech?. <i>PLoS ONE</i> , 2016, 11, e0161752.	1.1	6
137	The lectin-like oxidized LDL receptor-1: a new potential molecular target in colorectal cancer. <i>Oncotarget</i> , 2016, 7, 14765-14780.	0.8	45
138	Photographic Detection of Cadmium(II) and Zinc(II) Ions. <i>Procedia Engineering</i> , 2016, 168, 346-350.	1.2	7
139	Identification of mammography anomalies for breast cancer detection by an ensemble of classification models based on artificial immune system. <i>Knowledge-Based Systems</i> , 2016, 101, 60-70.	4.0	32
140	Detection of diverse potential threats in water with an array of optical sensors. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 997-1004.	4.0	14
141	Extending electronic tongue calibration lifetime through mathematical drift correction: Case study of microcystin toxicity analysis in waters. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 962-968.	4.0	29
142	Vortexes tune the chirality of graphene oxide and its non-covalent hosts. <i>Chemical Communications</i> , 2016, 52, 13094-13096.	2.2	16
143	Electronic tongue for microcystin screening in waters. <i>Biosensors and Bioelectronics</i> , 2016, 80, 154-160.	5.3	40
144	Interaction of VOCs with pyrene tetratopic ligands layered on ZnO nanorods under visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 324, 62-69.	2.0	17

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145	Wine and Combined Electronic Nose and Tongue. , 2016, , 301-307.		4
146	Volatile signature for the early diagnosis of lung cancer. Journal of Breath Research, 2016, 10, 016007.	1.5	108
147	Spontaneous Deposition of Porphyrin-Based Layers on Polylysinated Substrates: Role of the Central Metal on Layer Structural and Sensing Properties. Journal of Physical Chemistry C, 2016, 120, 724-730.	1.5	6
148	Investigation of VOCs associated with different characteristics of breast cancer cells. Scientific Reports, 2015, 5, 13246.	1.6	60
149	The lung cancer breath signature: a comparative analysis of exhaled breath and air sampled from inside the lungs. Scientific Reports, 2015, 5, 16491.	1.6	82
150	Room Temperature CO Detection by Hybrid Porphyrin-ZnO Nanoparticles. Procedia Engineering, 2015, 120, 71-74.	1.2	9
151	Analysis of exhaled breath fingerprints and volatile organic compounds in COPD. COPD Research and Practice, 2015, 1, .	0.7	33
152	Detection of Toxic Compounds in Water with an Array of Optical Reporters. Procedia Engineering, 2015, 120, 146-149.	1.2	2
153	An On-line Reconfigurable Classification Algorithm Improves the Long-term Stability of Gas Sensor Arrays in Case of Faulty and Drifting Sensors. Procedia Engineering, 2015, 120, 249-252.	1.2	4
154	Comparison of classification methods in breath analysis by electronic nose. Journal of Breath Research, 2015, 9, 046002.	1.5	68
155	The gas sensing properties of one-pot prepared porphyrin-ZnO nanoparticles. , 2015, , .		1
156	Structural and optical correlation of Ni doped ZnO nanorods. , 2015, , .		1
157	Combining porphyrins and pH indicators for analyte detection. Analytical and Bioanalytical Chemistry, 2015, 407, 3975-3984.	1.9	16
158	Stable Odor Recognition by a neuro-adaptive Electronic Nose. Scientific Reports, 2015, 5, 10960.	1.6	14
159	Corroles-Porphyrins: A Teamwork for Gas Sensor Arrays. Sensors, 2015, 15, 8121-8130.	2.1	31
160	Evaluation of aroma release of gummy candies added with strawberry flavours by gas-chromatography/mass-spectrometry and gas sensors arrays. Journal of Food Engineering, 2015, 167, 77-86.	2.7	37
161	Continuous Monitoring of Emotions by a Multimodal Cooperative Sensor System. Procedia Engineering, 2015, 120, 556-559.	1.2	5
162	Adaptive classification model based on artificial immune system for breast cancer detection. , 2015, , .		10

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163	The light modulation of the interaction of L-cysteine with porphyrins coated ZnO nanorods. Sensors and Actuators B: Chemical, 2015, 209, 613-621.	4.0	14
164	Ingredients for sensors science. Sensors and Actuators B: Chemical, 2015, 207, 1060-1068.	4.0	15
165	Multi-transduction sensing films for Electronic Tongue applications. Sensors and Actuators B: Chemical, 2015, 207, 1076-1086.	4.0	34
166	Palladium complexes based nanogravimetric sensors for carbon monoxide detection. Sensors and Actuators B: Chemical, 2015, 208, 334-338.	4.0	15
167	Quartz crystal microbalance gas sensor arrays for the quality control of chocolate. Sensors and Actuators B: Chemical, 2015, 207, 1114-1120.	4.0	45
168	Virtual Screening Peptide Selection for a Peptide Based Gas Sensors Array. Lecture Notes in Electrical Engineering, 2015, , 89-93.	0.3	1
169	Analysis of exhaled air for a rapid, sensible and specific diagnosis of COPD. , 2015, , .		1
170	Understanding Odor Information Segregation in the Olfactory Bulb by Means of Mitral and Tufted Cells. PLoS ONE, 2014, 9, e109716.	1.1	17
171	E-tongue for Ecological Monitoring Purposes: The Case of Microcystins Detection. Procedia Engineering, 2014, 87, 1358-1361.	1.2	6
172	An Investigation about the origin of the lung cancer signalling VOCs in breath. , 2014, , .		3
173	Experimental analysis of selectivity and dynamic ranges of passive UHF-RFID chemical sensors. , 2014, , .		0
174	Detection of Soluble Organic and Inorganic Compounds with an Array of Pure and Blended Optical Reporters. Procedia Engineering, 2014, 87, 1441-1444.	1.2	1
175	The Gas Sensing Properties of Porphyrins-coated Laterally Grown ZnO Nanorods. Procedia Engineering, 2014, 87, 1039-1042.	1.2	3
176	Video lensfree microscopy of 2D and 3D culture of cells. , 2014, , .		4
177	Photo-assisted chemical sensors. Proceedings of SPIE, 2014, , .	0.8	0
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