fabrizio Davide

List of Publications by Year
in descending order

29 papers	1,078 citations	393982 19 h-index	525886 27 g-index
30 all docs	30 docs citations	30 times ranked	928 citing authors

#	Article	IF	Citations
1	The application of metalloporphyrins as coating material for quartz microbalance-based chemical sensors. Analytica Chimica Acta, 1996, 325, 53-64.	2.6	140
2	Multicomponent analysis on polluted waters by means of an electronic tongue. Sensors and Actuators B: Chemical, 1997, 44, 423-428.	4.0	123
3	Networks of neurons coupled to microelectrode arrays: a neuronal sensory system for pharmacological applications. Biosensors and Bioelectronics, 2003, 18, 627-634.	5.3	117
4	Recognition of fish storage time by a metalloporphyrins-coated QMB sensor array. Measurement Science and Technology, 1996, 7, 1103-1114.	1.4	74
5	Complex chemical pattern recognition with sensor array: the discrimination of vintage years of wine. Sensors and Actuators B: Chemical, 1995, 25, 801-804.	4.0	71
6	Pattern recognition in gas sensing: well-stated techniques and advances. Sensors and Actuators B: Chemical, 1995, 23, 111-118.	4.0	70
7	Technologies and tools for mimicking olfaction: status of the Rome â€œTor Vergataâ€•electronic nose. Biosensors and Bioelectronics, 1998, 13, 711-721.	5.3	58
8	Self-organizing multisensor systems for odour classification: internal categorization, adaptation and drift rejection. Sensors and Actuators B: Chemical, 1994, 18, 244-258.	4.0	46
9	Self-assembled monolayers of mercaptoporphyrins as sensing material for quartz crystal microbalance chemical sensors. Sensors and Actuators B: Chemical, 1998, 47, 70-76.	4.0	45
10	Sensor-array calibration time reduction by dynamic modelling. Sensors and Actuators B: Chemical, 1995, 25, 578-583.	4.0	38
11	Electronic-nose modelling and data analysis using a self-organizing map. Measurement Science and Technology, 1997, 8, 1236-1243.	1.4	34
12	Performance evaluation of an SnO2-based sensor array for the quantitative measurement of mixtures of H2S and NO2. Sensors and Actuators B: Chemical, 1994, 20, 217-224.	4.0	29
13	Sensor arrays calibration with enhanced neural networks. Sensors and Actuators B: Chemical, 1994, 19, 654-657.	4.0	28
14	A self-organizing system for pattern classification: time varying statistics and sensor drift effects. Sensors and Actuators B: Chemical, 1995, 27, 237-241.	4.0	28
15	Dynamic calibration of QMB polymer-coated sensors by Wiener kernel estimation. Sensors and Actuators B: Chemical, 1995, 27, 275-285.	4.0	28
16	Study of the effect of the sensor operating temperature on SnO2-based sensor-array performance. Sensors and Actuators B: Chemical, 1995, 23, 187-191.	4.0	25
17	Chemical sensing materials characterization by Kelvin probe technique. Sensors and Actuators B: Chemical, 2000, 70, 254-262.	4.0	25
18	A composed neural network for the recognition of gas mixtures. Sensors and Actuators B: Chemical, 1995, 25, 808-812.	4.0	21

#	Article	IF	Citations
19	Self-organising sensory maps in odour classification mimicking. Biosensors and Bioelectronics, 1995, 10, 203-218.	5.3	20
20	Pattern recognition from sensor arrays: Theoretical considerations. Sensors and Actuators A: Physical, 1992, 32, 507-518.	2.0	13
21	Sensor array figures of merit: definitions and properties. Sensors and Actuators B: Chemical, 1993, 13, 327-332.	4.0	13
22	Intelligent content aware services in 3G wireless networks. IEEE Journal on Selected Areas in Communications, 2005, 23, 221-234.	9.7	10
23	Structure identification of non-linear models for QMB polymer-coated sensors. Sensors and Actuators B: Chemical, 1995, 25, 830-842.	4.0	9
24	Chaotic chemical sensing. IEEE Sensors Journal, 2002, 2, 656-662.	2.4	3
25	Non-Invasive Brain-Computer Interface System to Operate Assistive Devices. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2532-5.	0.5	3
26	Increasing revenues via adaptive filtering in wired/wireless networks. Computer Networks, 2006, 50, 1261-1280.	3.2	2
27	A Novel Approach to Adaptive Content-based Subscription Management in DHT-based Overlay Networks. Journal of Grid Computing, 2006, 4, 343-353.	2.5	2
28	Neuroengineering---a renaissance in brain science: Tutorial Series from the 3rd Neuro-IT and Neuroengineering Summer School. Journal of Neural Engineering, 2005, 2, 3 p following inner cover.	1.8	0
29	Social information sharing in digital gaming on social network platforms through open standards. , 2013, , .		0