Hanns-Erik Endres

List of Publications by Year
in descending order

28 papers	638 citations	687363 13 h-index	580821 25 g-index
31 all docs	31 docs citations	31 times ranked	688 citing authors

#	Article	IF	Citations
1	Optimization of the geometry of gas-sensitive interdigital capacitors. Sensors and Actuators B: Chemical, 1991, 4, 95-98.	7.8	102
2	Polyimide-Based Capacitive Humidity Sensor. Sensors, 2018, 18, 1516.	3.8	90
3	A test system for gas sensors. Sensors and Actuators B: Chemical, 1995, 23, 163-172.	7.8	73
4	A capacitive CO2 sensor system with suppression of the humidity interference. Sensors and Actuators B: Chemical, 1999, 57, 83-87.	7.8	67
5	Drift reduction of organic coated gas-sensors by temperature modulation. Sensors and Actuators B: Chemical, 1996, 36, 358-362.	7.8	50
6	A thin-film SnO2 sensor system for simultaneous detection of CO and NO2 with neural signal evaluation. Sensors and Actuators B: Chemical, 1996, 36, 353-357.	7.8	49
7	Impedance spectroscopy on dielectric gas sensors. Sensors and Actuators B: Chemical, 1994, 22, 7-11.	7.8	31
8	Spectroscopy of excited states in212Po,210Pb, and213At employing18O induced few-nucleon transfer reactions. Zeitschrift FÃ¼r Physik A, 1981, 302, 51-59.	1.4	26
9	Sensing of CO2 at room temperature using work function readout of (hetero-)polysiloxanes sensing layers. Sensors and Actuators B: Chemical, 2011, 154, 206-212.	7.8	21
10	Controlled selectivity of polysiloxane coatings: Their use in capacitance sensors. Sensors and Actuators A: Physical, 1992, 32, 326-332.	4.1	20
11	A systematic investigation on the use of time-dependent sensor signals in signal-processing techniques. Sensors and Actuators B: Chemical, 1995, 25, 785-789.	7.8	20
12	A new SO2 sensor system with SAW and IDC elements. Sensors and Actuators B: Chemical, 1996, 34, 339-342.	7.8	18
13	A gas sensor system with dielectric and mass sensors. Sensors and Actuators B: Chemical, 1992, 6, 285-288.	7.8	15
14	Improvement in signal evaluation methods for semiconductor gas sensors. Sensors and Actuators B: Chemical, 1995, 27, 267-270.	7.8	13
15	Towards Low Cost and Low Temperature Capacitive CO2 Sensors Based on Amine Functionalized Silica Nanoparticles. Nanomaterials, 2019, 9, 1097.	4.1	11
16	Detection of CO2 with (Hetero-) Polysiloxanes sensing layers by the change of work function at room temperature. Procedia Chemistry, 2009, 1, 646-649.	0.7	8
17	Capacitive CO2 Sensor. Proceedings (mdpi), 2017, 1, 472.	0.2	8
18	Directly heated quartz crystal microbalance with an integrated dielectric sensor. Sensors and Actuators A: Physical, 1998, 68, 399-403.	4.1	3

#	Article	IF	Citations
19	Simple Cost Effective and Network Compatible Readout for Capacitive and Resistive (Chemical) Sensors. Procedia Engineering, 2014, 87, 1234-1238.	1.2	3
20	Electrically removable, micromachined encapsulation for sensitive materials. Sensors and Actuators A: Physical, 1997, 62, 633-635.	4.1	2
21	Signal Evaluation of Gas Sensors with Artificial Neural Nets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 363-368.	0.4	1
22	Drift Reduction of Gas Sensors by Temperature Modulation and Signal-Processing. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 369-373.	0.4	1
23	â€œSensor-Filterâ€â€“Intelligent Micro Filter System in Foil Technology. Procedia Engineering, 2012, 47, 212-215.	1.2	1
24	â€œSensor-filterâ€â€”Intelligent micro filter system in foil technology. Sensors and Actuators A: Physical, 2013, 202, 197-203.	4.1	1
25	Method to Study Water Diffusion into Polymers. Proceedings (mdpi), 2018, 2, 812.	0.2	1
26	6.2.2 Flexible sensors for an indoor air quality sensor system. , 2012, , .		1
27	Passivated Impedimetric Sensors for Immobilization-Free Pathogen Detection by Isothermal Amplification and Melt Curve Analysis. Biosensors, 2022, 12, 261.	4.7	1
28	131. Grundbauelemente und Systemtechniken fÃ¼r die chemische Sensorik. Chemie-Ingenieur-Technik, 1993, 65, 1131-1132.	0.8	0