

Jing Nie

List of Publications by Year in descending order

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1040056

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all docs

34
docs citations

34
times ranked

333
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic-Based Indoor Localization Using Smartphone via a Fusion Algorithm. IEEE Sensors Journal, 2019, 19, 6477-6485.	4.7	41
2	Dew Point Measurement Using a Carbon-Based Capacitive Sensor with Active Temperature Control. ACS Applied Materials & Interfaces, 2019, 11, 1699-1705.	8.0	37
3	Human pulses reveal health conditions by a piezoelectret sensor via the approximate entropy analysis. Nano Energy, 2019, 58, 528-535.	16.0	30
4	Fast quartz resonant sensors for high humidity range 60%–95% RH. Sensors and Actuators B: Chemical, 2013, 185, 211-217.	7.8	28
5	All-Carbon Based Flexible Humidity Sensor. Journal of Nanoscience and Nanotechnology, 2019, 19, 5310-5316.	0.9	27
6	A new type of fast dew point sensor using quartz crystal without frequency measurement. Sensors and Actuators B: Chemical, 2016, 236, 749-758.	7.8	18
7	Dew point measurement using dual quartz crystal resonator sensor. Sensors and Actuators B: Chemical, 2017, 246, 792-799.	7.8	18
8	Dew point and relative humidity measurement using a quartz resonant sensor. Microsystem Technologies, 2014, 20, 1311-1315.	2.0	16
9	Dew point measurements using montmorillonite (MTT) and molybdenum disulfide (MoS ₂) coated QCM sensors. Sensors and Actuators B: Chemical, 2019, 279, 122-129.	7.8	15
10	Active temperature control of quartz resonant dew point sensors based on dual surface cooling. Sensors and Actuators B: Chemical, 2018, 256, 1-6.	7.8	8
11	Quartz crystal sensor using direct digital synthesis for dew point measurement. Measurement: Journal of the International Measurement Confederation, 2018, 117, 73-79.	5.0	8
12	Swelling characteristics and application of two-dimensional materials on hydrophilic quartz crystal resonant dew point sensor. Sensors and Actuators B: Chemical, 2019, 298, 126905.	7.8	7
13	Pulse Taking by a Piezoelectric Film Sensor via Mode Energy Ratio Analysis Helps Identify Pregnancy Status. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2116-2123.	6.3	7
14	Structure Optimization and Performance Evaluation of Dew Point Sensors Based on Quartz Crystal Microbalance. IEEE Sensors Journal, 2018, 18, 1016-1022.	4.7	6
15	A QCM Dew Point Sensor With Active Temperature Control Using Thermally Conductive Electrodes. IEEE Sensors Journal, 2018, 18, 5715-5722.	4.7	6
16	Microscopic verification of sensitive circuits of a quartz resonator applied in dew point recognition. Microsystem Technologies, 2015, 21, 641-647.	2.0	5
17	Dew Point Calibration System Using a Quartz Crystal Sensor with a Differential Frequency Method. Sensors, 2016, 16, 1944.	3.8	5
18	Dew point fast measurement in organic vapor mixtures using quartz resonant sensor. Review of Scientific Instruments, 2017, 88, 015005.	1.3	5

#	ARTICLE	IF	CITATIONS
19	High accuracy frequency extraction based on sigma-delta ADC applied in resonant dew point sensor. Measurement: Journal of the International Measurement Confederation, 2018, 119, 77-84.	5.0	4
20	High-Accuracy Quartz Crystal Resonance DP Instrument. IEEE Transactions on Industrial Electronics, 2020, 67, 8026-8033.	7.9	4
21	Recent Advances on UV-Enhanced Oxide Nanostructures Gas Sensors. Materials Horizons, 2020, , 143-159.	0.6	3
22	Dew point measurement using a quartz crystal sensor. , 2013, , .		2
23	An online task placement algorithm based on maximum empty rectangles in dynamic partial reconfigurable systems. , 2017, , .		2
24	Research on the frequency stability of a bonded QCM for dew point measurement. Microsystem Technologies, 2017, 23, 3653-3659.	2.0	2
25	Correlation between stability of aluminium alloy pulsed metal-inert gas welding and pulse current signal. Materials Research Innovations, 2015, 19, S5-674-S5-678.	2.3	1
26	Real-time and high accuracy frequency measurements for intermediate frequency narrowband signals. Review of Scientific Instruments, 2018, 89, 014704.	1.3	1
27	A New Type of Bionics Based Piezoelectric Heartbeat Sensor Used in Pulse-Taking for Health Warning. , 2018, , .		1
28	Mode Energy Ratio Analysis Using Pulse Signals for Diagnosis of Pregnancy Conditions. , 2019, , .		1
29	Note: A dual-channel sensor for dew point measurement based on quartz crystal microbalance. Review of Scientific Instruments, 2017, 88, 056103.	1.3	1
30	Effect of quartz crystal thermal stress on its performance in active temperature control quartz crystal microbalance dew point sensors. Sensors and Actuators B: Chemical, 2022, 369, 132283.	7.8	1
31	Instantaneous frequency extraction for resonant dew point sensor based on bandpass "modulator with variable center frequency. , 2017, , .		0
32	High accuracy quartz crystal dew point sensor based on double cooling and double sensitive electrode. , 2017, , .		0
33	A New Type of Hydrophilic QCM Dew Point Sensor. , 2018, , .		0
34	Note: Temperature-frequency calibration method based on spectral analysis for QCR dew point sensor. Review of Scientific Instruments, 2018, 89, 066107.	1.3	0