

# Sang-Wook Lee

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3556891/publications.pdf>

Version: 2024-02-01

20  
papers

266  
citations

1040056

9  
h-index

940533

16  
g-index

22  
all docs

22  
docs citations

22  
times ranked

384  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioinspired Hygromorphic Actuator Exhibiting Controlled Locomotion. ACS Macro Letters, 2013, 2, 960-965.	4.8	52
2	Sorption/desorption hysteresis of thin-film humidity sensors based on graphene oxide and its derivative. Sensors and Actuators B: Chemical, 2016, 237, 575-580.	7.8	38
3	Integrated Study of Water Sorption/Desorption Behavior of Weak Polyelectrolyte Layer-by-Layer Films. Macromolecules, 2013, 46, 2793-2799.	4.8	32
4	Correlation between the sensitivity and the hysteresis of humidity sensors based on graphene oxides. Sensors and Actuators B: Chemical, 2018, 258, 255-262.	7.8	29
5	Reduction and compensation of humidity measurement errors at cold temperatures using dual QCM humidity sensors based on graphene oxides. Sensors and Actuators B: Chemical, 2019, 284, 386-394.	7.8	22
6	Effects of Anionic Surfactants on the Water Permeability of a Model Stratum Corneum Lipid Membrane. Langmuir, 2014, 30, 220-226.	3.5	16
7	Reducing individual difference and temperature dependency of QCM humidity sensors based on graphene oxides through normalization of frequency shifts. Sensors and Actuators B: Chemical, 2020, 313, 128043.	7.8	11
8	Dual temperature sensors with different emissivities in radiosondes for the compensation of solar irradiation effects with varying air pressure. Meteorological Applications, 2018, 25, 49-55.	2.1	10
9	Calibration of a radiosonde humidity sensor at low temperature and low pressure. Metrologia, 2019, 56, 055008.	1.2	10
10	Evaluation of radiosonde humidity sensors at low temperature using ultralow-temperature humidity chamber. Advances in Science and Research, 0, 15, 207-212.	1.0	10
11	Importance of air pressure in the compensation for the solar radiation effect on temperature sensors of radiosondes. Meteorological Applications, 2016, 23, 691-697.	2.1	6
12	Correction of solar irradiation effects on air temperature measurement using a dual-thermistor radiosonde at low temperature and low pressure. Meteorological Applications, 2018, 25, 283-291.	2.1	6
13	Development of upper air simulator for the calibration of solar radiation effects on radiosonde temperature sensors. Meteorological Applications, 2020, 27, e1855.	2.1	6
14	Compensation of solar radiation and ventilation effects on the temperature measurement of radiosondes using dual thermistors. Meteorological Applications, 2018, 25, 209-216.	2.1	5
15	Development of a low-temperature low-pressure humidity chamber for calibration of radiosonde humidity sensors. Metrologia, 2019, 56, 025009.	1.2	5
16	Radiation correction and uncertainty evaluation of RS41 temperature sensors by using an upper-air simulator. Atmospheric Measurement Techniques, 2022, 15, 1107-1121.	3.1	4
17	Calibration of <sc>RS41</sc> humidity sensors by using an upper-air simulator. Meteorological Applications, 2021, 28, e2010.	2.1	2
18	Development of new KRISS low frost-point generator with improved uncertainty from 7 nmol-€smol-1 to 1000 nmol-€smol-1. Metrologia, 0, , .	1.2	1

#	ARTICLE	IF	CITATIONS
19	Development of a divided-flow humidity generator and its use for studying low-temperature effects on radiosonde humidity sensors. <i>Journal of Sensor Science and Technology</i> , 2021, 30, 243-249.	0.2	0
20	Laboratory characterisation and intercomparison sounding test of dual thermistor radiosondes for radiation correction. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 2531-2545.	3.1	0