Zhicheng Yu

List of Publications by Year
in descending order

14	323	933447 10	1125743 13
papers	citations	h-index	g-index

14	14	14	272
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design and Realization of a Compact High-Precision Capacitive Absolute Angular Position Sensor Based on Time Grating. IEEE Transactions on Industrial Electronics, 2021, 68, 3548-3557.	7.9	17
2	A High-Accuracy Capacitive Absolute Time-Grating Linear Displacement Sensor Based on a Multi-Stage Composite Method. IEEE Sensors Journal, 2021, 21, 8969-8978.	4.7	9
3	A Compact and High-Precision Capacitive Absolute Angular Displacement Sensor. IEEE Sensors Journal, 2020, 20, 11173-11182.	4.7	15
4	A Self-Adaptive Interpolation Method for Sinusoidal Sensors. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7675-7682.	4.7	12
5	A miniaturized capacitive absolute angular positioning sensor based on a dual two-stage secondary re-modulation Scheme with time-division multiplexing. Sensors and Actuators A: Physical, 2020, 310, 112043.	4.1	6
6	A High-Precision Absolute Angular Position Sensor With Vernier Capacitive Arrays Based on Time Grating. IEEE Sensors Journal, 2019, 19, 8626-8634.	4.7	16
7	A High-Precision Absolute Angular-Displacement Capacitive Sensor Using Three-Stage Time-Grating in Conjunction With a Remodulation Scheme. IEEE Transactions on Industrial Electronics, 2019, 66, 7376-7385.	7.9	28
8	A novel miniaturized capacitive absolute angular position sensor based on time-grating with reflective structure. , 2019, , .		0
9	A new capacitive long-range displacement nanometer sensor with differential sensing structure based on time-grating. Measurement Science and Technology, 2018, 29, 054009.	2.6	10
10	Sensing Mechanism and Error Analysis of a Capacitive Long-Range Displacement Nanometer Sensor Based on Time Grating. IEEE Sensors Journal, 2017, 17, 1596-1607.	4.7	30
11	Features of Capacitive Displacement Sensing That Provide High-Accuracy Measurements with Reduced Manufacturing Precision. IEEE Transactions on Industrial Electronics, 2017, 64, 7377-7386.	7.9	39
12	An energy harvesting bracelet. Applied Physics Letters, 2017, 111, .	3.3	44
13	A New Capacitive Displacement Sensor With Nanometer Accuracy and Long Range. IEEE Sensors Journal, 2016, 16, 2306-2316.	4.7	66
14	A Time-Grating Sensor for Displacement Measurement With Long Range and Nanometer Accuracy. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 3105-3115.	4.7	31