

Kai Peng

List of Publications by Year in descending order

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304
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Capacitive Displacement Sensor With Nanometer Accuracy and Long Range. IEEE Sensors Journal, 2016, 16, 2306-2316.	4.7	66
2	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
3	Oridonin derivatives as potential anticancer drug candidates triggering apoptosis through mitochondrial pathway in the liver cancer cells. European Journal of Medicinal Chemistry, 2019, 178, 365-379.	5.5	36
4	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
5	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
6	A novel capacitive absolute positioning sensor based on time grating with nanometer resolution. Mechanical Systems and Signal Processing, 2018, 104, 705-715.	8.0	23
7	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
8	Extending the structure-activity relationship study of marine natural ningalin B analogues as P-glycoprotein inhibitors. European Journal of Medicinal Chemistry, 2017, 125, 795-806.	5.5	16
9	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
10	A Compact and High-Precision Capacitive Absolute Angular Displacement Sensor. IEEE Sensors Journal, 2020, 20, 11173-11182.	4.7	15
11	A Self-Adaptive Interpolation Method for Sinusoidal Sensors. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7675-7682.	4.7	12
12	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
13	A High Precision Capacitive Linear Displacement Sensor with Time-Grating that Provides Absolute Positioning Capability Based on a Vernier-Type Structure. Applied Sciences (Switzerland), 2018, 8, 2419.	2.5	9
14	Structural modification of oridonin via DAST induced rearrangement. RSC Advances, 2018, 8, 29548-29554.	3.6	9
15	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
16	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
17	Embedded Position Detecting Method for Permanent Magnet Linear Motor Systems. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	6