

Dingkang Wang

List of Publications by Year in descending order

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papers

337
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1478505

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1372567

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22
all docs

22
docs citations

22
times ranked

212
citing authors

#	ARTICLE	IF	CITATIONS
1	MEMS Mirrors for LiDAR: A Review. <i>Micromachines</i> , 2020, 11, 456.	2.9	209
2	A Miniature LiDAR With a Detached MEMS Scanner for Micro-Robotics. <i>IEEE Sensors Journal</i> , 2021, 21, 21941-21946.	4.7	22
3	A Low-Voltage, Low-Current, Digital-Driven MEMS Mirror for Low-Power LiDAR. , 2020, 4, 1-4.		16
4	A Monolithic Forward-View MEMS Laser Scanner With Decoupled Raster Scanning and Enlarged Scanning Angle for Micro LiDAR Applications. <i>Journal of Microelectromechanical Systems</i> , 2020, 29, 996-1001.	2.5	12
5	Analytical study on effect of piezoelectric patterns on frequency shift and support loss in ring-shaped resonators for biomedical applications. <i>Microsystem Technologies</i> , 2017, 23, 2899-2909.	2.0	10
6	Directionally Controlled Time-of-Flight Ranging for Mobile Sensing Platforms. , 0, , .		9
7	A Compact Omnidirectional Laser Scanner Based on an Electrothermal Tripod Mems Mirror for Lidar Please Leave. , 2019, , .		8
8	A silicon optical bench with vertically-oriented micromirrors for active beam steering. <i>Sensors and Actuators A: Physical</i> , 2019, 298, 111586.	4.1	8
9	A Silicon Optical Bench-Based Forward-View Two-Axis Scanner for Microendoscopy Applications. <i>Micromachines</i> , 2020, 11, 1051.	2.9	7
10	Adaptive fovea for scanning depth sensors. <i>International Journal of Robotics Research</i> , 2020, 39, 837-855.	8.5	7
11	An ultra-fast electrothermal micromirror with bimorph actuators made of copper/tungsten. , 2017, , .		6
12	A compact 3D lidar based on an electrothermal two-axis MEMS scanner for small UAV. , 2018, , .		6
13	An Integrated Forward-View 2-Axis Mems Scanner for Compact 3D Lidar. , 2018, , .		4
14	Miniature fluorescence molecular tomography (FMT) endoscope based on a MEMS scanning mirror and an optical fiberscope. <i>Physics in Medicine and Biology</i> , 2019, 64, 125015.	3.0	4
15	A Large Aperture 2-Axis Electrothermal MEMS Mirror for Compact 3D LiDAR. , 2019, , .		4
16	Optimization of Piezoelectric Pattern Design in Ring-shaped Resonators for Health-care and Environmental Applications. <i>Procedia Engineering</i> , 2015, 120, 528-531.	1.2	3
17	A Monolithic Forward-View Optical Scanner by a Pair of Upright MEMS Mirrors on a SiOB for LiDAR Applications. <i>Journal of Microelectromechanical Systems</i> , 2021, 30, 791-798.	2.5	2
18	Developing a passive DC current sensor. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Total-Ionizing-Dose Effects on Al/SiO ₂ Bimorph Electrothermal Microscanners. IEEE Transactions on Nuclear Science, 2018, 65, 2260-2267.	2.0	0
20	An Electrothermal Micromirror with J-shaped Bimorph Microactuators. , 2019, , .		0
21	Design and Fabrication of a Forward View Scanner on SiOB with Latch Structure for Improved Vertical Orientation. , 2021, , .		0