

Shanpeng Wang

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	An Autonomous Initial Alignment and Observability Analysis for SINS With Bio-Inspired Polarized Skylight Sensors. <i>IEEE Sensors Journal</i> , 2020, 20, 7941-7956.	4.7	34
2	Design and calibration model of a bioinspired attitude and heading reference system based on compound eye polarization compass. <i>Bioinspiration and Biomimetics</i> , 2021, 16, 016001.	2.9	22
3	A self-contained interactive iteration positioning and orientation coupled navigation method based on skylight polarization. <i>Control Engineering Practice</i> , 2021, 111, 104810.	5.5	10
4	A Novel Polarized Skylight Navigation Model for Bionic Navigation With Marginalized Unscented Kalman Filter. <i>IEEE Sensors Journal</i> , 2022, 22, 4472-4483.	4.7	10
5	Disturbance analysis and performance test of the polarization sensor based on polarizing beam splitter. <i>Sensor Review</i> , 2019, 39, 341-351.	1.8	9
6	Bionic Integrated Positioning Mechanism Based on Bioinspired Polarization Compass and Inertial Navigation System. <i>Sensors</i> , 2021, 21, 1055.	3.8	9
7	A Multi-Mode Switching Variational Bayesian Adaptive Kalman Filter Algorithm for the SINS/PNS/GMNS Navigation System of Pelagic Ships. <i>Sensors</i> , 2022, 22, 3372.	3.8	6
8	Clear Night Sky Polarization Patterns Under the Super Blue Blood Moon. <i>Atmosphere</i> , 2020, 11, 372.	2.3	4
9	A Tightly Coupled Polarization Compass and VIO Integrated Navigation for Applications in GNSS-denied environments. , 2022, , .		0