

# Yufeng Yue

## List of Publications by Year in descending order

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32  
papers

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citations

1162889

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docs citations

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times ranked

206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vision-Based Flexible Leader-Follower Formation Tracking of Multiple Nonholonomic Mobile Robots in Unknown Obstacle Environments. IEEE Transactions on Control Systems Technology, 2020, 28, 1025-1033.	3.2	50
2	Collaborative Semantic Understanding and Mapping Framework for Autonomous Systems. IEEE/ASME Transactions on Mechatronics, 2021, 26, 978-989.	3.7	34
3	Hierarchical Probabilistic Fusion Framework for Matching and Merging of 3-D Occupancy Maps. IEEE Sensors Journal, 2018, 18, 8933-8949.	2.4	33
4	Day and Night Collaborative Dynamic Mapping in Unstructured Environment Based on Multimodal Sensors. , 2020, , .		32
5	A Two-step Method for Extrinsic Calibration between a Sparse 3D LiDAR and a Thermal Camera. , 2018, , .		30
6	Formation Reconstruction and Trajectory Replanning for Multi-UAV Patrol. IEEE/ASME Transactions on Mechatronics, 2021, 26, 719-729.	3.7	28
7	A Multilevel Fusion System for Multirobot 3-D Mapping Using Heterogeneous Sensors. IEEE Systems Journal, 2020, 14, 1341-1352.	2.9	26
8	Autonomous Target Docking of Nonholonomic Mobile Robots Using Relative Pose Measurements. IEEE Transactions on Industrial Electronics, 2021, 68, 7233-7243.	5.2	23
9	A Hierarchical Framework for Collaborative Probabilistic Semantic Mapping. , 2020, , .		19
10	Robust submap-based probabilistic inconsistency detection for multi-robot mapping. , 2017, , .		11
11	SLAT-Calib: Extrinsic Calibration between a Sparse 3D LiDAR and a Limited-FOV Low-resolution Thermal Camera. , 2019, , .		10
12	Infrastructure-Free Hierarchical Mobile Robot Global Localization in Repetitive Environments. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	2.4	10
13	Sem-Aug: Improving Camera-LiDAR Feature Fusion With Semantic Augmentation for 3D Vehicle Detection. IEEE Robotics and Automation Letters, 2022, 7, 9358-9365.	3.3	10
14	Collaborative Semantic Perception and Relative Localization Based on Map Matching. , 2020, , .		8
15	Probabilistic Fusion Framework for Collaborative Robots 3D Mapping. , 2018, , .		7
16	SIMSF: A Scale Insensitive Multi-Sensor Fusion Framework for Unmanned Aerial Vehicles Based on Graph Optimization. IEEE Access, 2020, 8, 118273-118284.	2.6	7
17	COSEM: Collaborative Semantic Map Matching Framework for Autonomous Robots. IEEE Transactions on Industrial Electronics, 2022, 69, 3843-3853.	5.2	7
18	MSTSL: Multi-Sensor Based Two-Step Localization in Geometrically Symmetric Environments. , 2021, , .		7

#	ARTICLE	IF	CITATIONS
19	Place Recognition Using Line-Junction-Lines in Urban Environments. , 2019, , .		6
20	Infrastructure-Free Global Localization in Repetitive Environments: An Overview. , 2020, , .		6
21	Probabilistic Reasoning for Unique Role Recognition Based on the Fusion of Semantic-Interaction and Spatio-Temporal Features. IEEE Transactions on Multimedia, 2019, 21, 1195-1208.	5.2	5
22	Knowledge-based role recognition by using human-object interaction and spatio-temporal analysis. , 2017, , .		4
23	Probabilistic 3D Semantic Map Fusion Based on Bayesian Rule. , 2019, , .		3
24	Robust Semantic Map Matching Algorithm Based on Probabilistic Registration Model. , 2021, , .		3
25	Tightly-Coupled Perception and Navigation of Heterogeneous Land-Air Robots in Complex Scenarios. , 2021, , .		2
26	Aerial-Ground Robots Collaborative 3D Mapping in GNSS-Denied Environments. , 2022, , .		2
27	Multi-Robot Map Fusion Framework using Heterogeneous Sensors. , 2019, , .		0
28	Multi-Robot Collaborative Reasoning for Unique Person Recognition in Complex Environments. , 2020, , .		0
29	HILPS: Human-in-Loop Policy Search for Mobile Robot Navigation. , 2020, , .		0
30	Technical Background. Springer Tracts in Autonomous Systems, 2021, , 9-27.	0.2	0
31	Collaborative 3D Mapping Using Heterogeneous Sensors. Springer Tracts in Autonomous Systems, 2021, , 77-100.	0.2	0
32	Collaborative Probabilistic Semantic Mapping Using CNN. Springer Tracts in Autonomous Systems, 2021, , 117-138.	0.2	0