Dengxin Dai

List of Publications by Year
in descending order

43 papers	2,855 citations	687363 13 h-index	888059 17 g-index
43 all docs	43 docs citations	43 times ranked	1489 citing authors

#	Article	IF	Citations
1	Map-Guided Curriculum Domain Adaptation and Uncertainty-Aware Evaluation for Semantic Nighttime Image Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 3139-3153.	13.9	48
2	Improving Depth Estimation Using Map-Based Depth Priors. IEEE Robotics and Automation Letters, 2022, 7, 3640-3647.	5.1	3
3	Learnable Online Graph Representations for 3D Multi-Object Tracking. IEEE Robotics and Automation Letters, 2022, 7, 5103-5110.	5.1	29
4	End-to-End Optimization of LiDAR Beam Configuration for 3D Object Detection and Localization. IEEE Robotics and Automation Letters, 2022, 7, 2242-2249.	5.1	10
5	Talk2Nav: Long-Range Vision-and-Language Navigation with Dual Attention and Spatial Memory. International Journal of Computer Vision, 2021, 129, 246-266.	15.6	20
6	Improving Point Cloud Semantic Segmentation by Learning 3D Object Detection. , 2021, , .		12
7	Scale-Aware Domain Adaptive Faster R-CNN. International Journal of Computer Vision, 2021, 129, 2223-2243.	15.6	39
8	Guest Editorial: Special Issue on â€œComputer Vision for All Seasons: Adverse Weather and Lighting Conditionsâ€. International Journal of Computer Vision, 2021, 129, 2031-2033.	15.6	0
9	DLOW: Domain Flow and Applications. International Journal of Computer Vision, 2021, 129, 2865-2888.	15.6	11
10	Cluster, Split, Fuse, and Update: Meta-Learning for Open Compound Domain Adaptive Semantic Segmentation. , 2021, , .		20
11	mDALU: Multi-Source Domain Adaptation and Label Unification with Partial Datasets. , 2021, , .		9
12	ACDC: The Adverse Conditions Dataset with Correspondences for Semantic Driving Scene Understanding. , 2021, , .		130
13	Task Switching Network for Multi-task Learning. , 2021, , .		14
14	Curriculum Model Adaptation with Synthetic and Real Data for Semantic Foggy Scene Understanding. International Journal of Computer Vision, 2020, 128, 1182-1204.	15.6	69
15	Donâ€™t Forget The Past: Recurrent Depth Estimation from Monocular Video. IEEE Robotics and Automation Letters, 2020, 5, 6813-6820.	5.1	62
16	Semantic Object Prediction and Spatial Sound Super-Resolution with Binaural Sounds. Lecture Notes in Computer Science, 2020, , 638-655.	1.3	23
17	Weakly Supervised 3D Object Detection from Lidar Point Cloud. Lecture Notes in Computer Science, 2020, , 515-531.	1.3	41
18	Nighttime Defogging Using High-Low Frequency Decomposition and Grayscale-Color Networks. Lecture Notes in Computer Science, 2020, , 473-488.	1.3	16

#	Article	IF	Citations
19	Action Sequence Predictions of Vehicles in Urban Environments using Map and Social Context. , 2020, , .		10
20	Depth Estimation from Monocular Images and Sparse Radar Data. , 2020, , .		27
21	Real-time 3D Traffic Cone Detection for Autonomous Driving. , 2019, , .		23
22	Learning the Synthesizability of Dynamic Texture Samples. IEEE Transactions on Image Processing, 2019, 28, 2502-2517.	9.8	5
23	Texture Underfitting for Domain Adaptation. , 2019, , .		5
24	Guided Curriculum Model Adaptation and Uncertainty-Aware Evaluation for Semantic Nighttime Image Segmentation. , 2019, , .		120
25	Semantic Understanding of Foggy Scenes with Purely Synthetic Data. , 2019, , .		36
26	Semantic Foggy Scene Understanding with Synthetic Data. International Journal of Computer Vision, 2018, 126, 973-992.	15.6	601
27	Domain Generalization and Adaptation Using Low Rank Exemplar SVMs. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 1114-1127.	13.9	86
28	Domain Adaptive Faster R-CNN for Object Detection in the Wild. , 2018, , .		793
29	Failure Prediction for Autonomous Driving. , 2018, , .		38
30	Dark Model Adaptation: Semantic Image Segmentation from Daytime to Nighttime. , 2018, , .		114
31	Object Referring in Videos with Language and Human Gaze. , 2018, , .		29
32	Object Referring in Visual Scene with Spoken Language. , 2018, , .		7
33	End-to-End Learning of Driving Models with Surround-View Cameras and Route Planners. Lecture Notes in Computer Science, 2018, , 449-468.	1.3	88
34	Model Adaptation with Synthetic and Real Data for Semantic Dense Foggy Scene Understanding. Lecture Notes in Computer Science, 2018, , 707-724.	1.3	97
35	VarCity - the video. , 2017, , .		3
36	PathTrack: Fast Trajectory Annotation with Path Supervision. , 2017, , .		39

#	Article	IF	Citations
37	Fast Algorithms for Linear and Kernel SVM+. , 2016, , .		29
38	Scale-Aware Alignment of Hierarchical Image Segmentation. , 2016, , .		24
39	Leveraging single for multi-target tracking using a novel trajectory overlap affinity measure. , 2016, , .		7
40	Metric imitation by manifold transfer for efficient vision applications. , 2015, , .		17
41	Joint vanishing point extraction and tracking. , 2015, , .		17
42	Example-Based Facade Texture Synthesis. , 2013, , .		19
43	Ensemble Projection for Semi-supervised Image Classification. , 2013, , .		65