

Simon J Julier

List of Publications by Year in descending order

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45
papers

1,329
citations

1040056

9
h-index

996975

15
g-index

46
all docs

46
docs citations

46
times ranked

1246
citing authors

#	ARTICLE	IF	CITATIONS
1	FMNet: Latent Feature-Wise Mapping Network for Cleaning Up Noisy Micro-Doppler Spectrogram. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	2
2	Attention-Based Applications in Extended Reality to Support Autistic Users: A Systematic Review. IEEE Access, 2022, 10, 15574-15593.	4.2	4
3	Augmenting Experimental Data with Simulations to Improve Activity Classification in Healthcare Monitoring. , 2021, , .		7
4	Directing versus Attracting Attention: Exploring the Effectiveness of Central and Peripheral Cues in Panoramic Videos. , 2020, , .		14
5	Directing versus Attracting Attention: Exploring the Effectiveness of Central and Peripheral Cues in Panoramic Videos. , 2020, , .		1
6	Guidance and surroundings awareness in outdoor handheld augmented reality. PLoS ONE, 2020, 15, e0230518.	2.5	6
7	Occupancy Detection and People Counting Using WiFi Passive Radar. , 2020, , .		24
8	An experimental study on the role of augmented reality content type in an outdoor site exploration. Behaviour and Information Technology, 2019, 38, 9-27.	4.0	27
9	Everybody Needs Somebody Sometimes: Validation of Adaptive Recovery in Robotic Space Operations. IEEE Robotics and Automation Letters, 2019, 4, 1216-1223.	5.1	7
10	NeuroMask: Explaining Predictions of Deep Neural Networks through Mask Learning. , 2019, , .		0
11	Assumptions about the positioning of virtual stimuli affect gaze direction estimates during Augmented Reality based interactions. Scientific Reports, 2019, 9, 2566.	3.3	9
12	Nose Heat: Exploring Stress-induced Nasal Thermal Variability through Mobile Thermal Imaging. , 2019, , .		15
13	Fusion of Finite-Set Distributions: Pointwise Consistency and Global Cardinality. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 2759-2773.	4.7	33
14	Instant Stress: Detection of Perceived Mental Stress Through Smartphone Photoplethysmography and Thermal Imaging. JMIR Mental Health, 2019, 6, e10140.	3.3	52
15	Failure is Not an Option: Policy Learning for Adaptive Recovery in Space Operations. IEEE Robotics and Automation Letters, 2018, 3, 1639-1646.	5.1	11
16	Mediated Spatial Narratives. , 2018, , .		8
17	Weak in the NEES?: Auto-Tuning Kalman Filters with Bayesian Optimization. , 2018, , .		42
18	Why the Failure? How Adversarial Examples Can Provide Insights for Interpretable Machine Learning. , 2018, , .		17

#	ARTICLE	IF	CITATIONS
19	Deep Thermal Imaging. , 2018, , .		33
20	A Taxonomy for Combining Activity Recognition and Process Discovery in Industrial Environments. Lecture Notes in Computer Science, 2018, , 84-93.	1.3	18
21	DeepBreath: Deep learning of breathing patterns for automatic stress recognition using low-cost thermal imaging in unconstrained settings. , 2017, , .		69
22	Robust tracking of respiratory rate in high-dynamic range scenes using mobile thermal imaging. Biomedical Optics Express, 2017, 8, 4480.	2.9	93
23	Unscented Orientation Estimation Based on the Bingham Distribution. IEEE Transactions on Automatic Control, 2016, 61, 172-177.	5.7	47
24	Localisation of an Unknown Number of Land Mines Using a Network of Vapour Detectors. Sensors, 2014, 14, 21000-21022.	3.8	1
25	Efficient Bingham filtering based on saddlepoint approximations. , 2014, , .		12
26	Non Parametric Distributed Inference in Sensor Networks Using Box Particles Messages. Mathematics in Computer Science, 2014, 8, 455-478.	0.4	4
27	Distributed Fusion of PHD Filters Via Exponential Mixture Densities. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 521-531.	10.8	161
28	Behaviour-aware sensor fusion: Continuously inferring the alignment of coordinate systems from user behaviour. , 2013, , .		4
29	Reducing the Computational Cost of a Monte Carlo Based Planning Algorithm. , 2013, , .		0
30	Learning to discover objects in RGB-D images using correlation clustering. , 2013, , .		7
31	Process model parameterisation in posegraphs. , 2013, , .		1
32	Design and implementation of an immersive virtual reality system based on a smartphone platform. , 2013, , .		26
33	Exploiting prior information in GraphSLAM. , 2011, , .		7
34	‘misspelled’ visual words in unsupervised range data classification: the effect of noise on classification performance. , 2011, , .		1
35	Bearings-only localisation of targets from low-speed UAVs. , 2010, , .		1
36	Towards the exploitation of prior information in SLAM. , 2010, , .		16

#	ARTICLE	IF	CITATIONS
37	Towards a situated, multimodal interface for multiple UAV control. , 2010, , .		22
38	Probabilistic target detection by camera-equipped UAVs. , 2010, , .		37
39	Coordinated Search with a Swarm of UAVs. , 2009, , .		75
40	Avoiding negative depth in inverse depth bearing-only SLAM. , 2008, , .		12
41	The Common State Filter for SLAM. , 2008, , .		2
42	On Kalman Filtering With Nonlinear Equality Constraints. IEEE Transactions on Signal Processing, 2007, 55, 2774-2784.	5.3	280
43	Using Exponential Mixture Models for Suboptimal Distributed Data Fusion. , 2006, , .		47
44	An Empirical Study into the Use of Chernoff Information for Robust, Distributed Fusion of Gaussian Mixture Models. , 2006, , .		72
45	Human-Aware Reinforcement Learning for Fault Recovery Using Contextual Gaussian Processes. Journal of Aerospace Information Systems, 0, , 1-13.	1.4	2