

# Loukas Bampis

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

735  
citations

686830

13  
h-index

610482

24  
g-index

36  
all docs

36  
docs citations

36  
times ranked

259  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast loop-closure detection using visual-word-vectors from image sequences. International Journal of Robotics Research, 2018, 37, 62-82.	5.8	69
2	An Active Learning Paradigm for Online Audio-Visual Emotion Recognition. IEEE Transactions on Affective Computing, 2022, 13, 756-768.	5.7	62
3	Assigning Visual Words to Places for Loop Closure Detection. , 2018, , .		52
4	The Revisiting Problem in Simultaneous Localization and Mapping: A Survey on Visual Loop Closure Detection. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19929-19953.	4.7	46
5	Probabilistic Appearance-Based Place Recognition Through Bag of Tracked Words. IEEE Robotics and Automation Letters, 2019, 4, 1737-1744.	3.3	43
6	Attention! A Lightweight 2D Hand Pose Estimation Approach. IEEE Sensors Journal, 2021, 21, 11488-11496.	2.4	43
7	Modest-vocabulary loop-closure detection with incremental bag of tracked words. Robotics and Autonomous Systems, 2021, 141, 103782.	3.0	42
8	Deep Feature Space: A Geometrical Perspective. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 6823-6838.	9.7	37
9	Encoding the description of image sequences: A two-layered pipeline for loop closure detection. , 2016, , .		33
10	Unsupervised semantic clustering and localization for mobile robotics tasks. Robotics and Autonomous Systems, 2020, 131, 103567.	3.0	26
11	Enhancing satellite semantic maps with ground-level imagery. Robotics and Autonomous Systems, 2021, 139, 103760.	3.0	23
12	Deep learning features exception for cross-season visual place recognition. Pattern Recognition Letters, 2017, 100, 124-130.	2.6	21
13	Trackingâ€DOSeqSLAM: A dynamic sequenceâ€based visual place recognition paradigm. IET Computer Vision, 2021, 15, 258-273.	1.3	21
14	Appearance-Based Loop Closure Detection with Scale-Restrictive Visual Features. Lecture Notes in Computer Science, 2019, , 75-87.	1.0	18
15	High order visual words for structure-aware and viewpoint-invariant loop closure detection. , 2017, , .		17
16	DOSeqSLAM: Dynamic On-line Sequence Based Loop Closure Detection Algorithm for SLAM. , 2018, , .		17
17	ViPED: On-road vehicle passenger detection for autonomous vehicles. Robotics and Autonomous Systems, 2019, 112, 282-290.	3.0	15
18	Revisiting the Bag-of-Visual-Words model: A hierarchical localization architecture for mobile systems. Robotics and Autonomous Systems, 2019, 113, 104-119.	3.0	14

#	ARTICLE	IF	CITATIONS
19	Exploiting artificial intelligence for digitally enriched museum visits. <i>Journal of Cultural Heritage</i> , 2020, 42, 171-180.	1.5	14
20	Sequence-based mapping for probabilistic visual loop-closure detection. , 2021, , .		14
21	Safe UAV landing: A low-complexity pipeline for surface conditions recognition. , 2021, , .		12
22	SeqSLAM with Bag of Visual Words for Appearance Based Loop Closure Detection. <i>Mechanisms and Machine Science</i> , 2019, , 580-587.	0.3	11
23	Real-time surveillance detection system for medium-altitude long-endurance unmanned aerial vehicles. <i>Concurrency Computation Practice and Experience</i> , 2018, 30, e4145.	1.4	10
24	Self-localization based on terrestrial and satellite semantics. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 111, 104824.	4.3	9
25	Accelerating image super-resolution regression by a hybrid implementation in mobile devices. , 2014, , .		8
26	Real-time indexing for large image databases: color and edge directivity descriptor on GPU. <i>Journal of Supercomputing</i> , 2015, 71, 909-937.	2.4	8
27	Graph-Based Semantic Segmentation. <i>Mechanisms and Machine Science</i> , 2019, , 572-579.	0.3	8
28	Digital elevation model fusion using spectral methods. , 2014, , .		7
29	A LoCATE-based visual place recognition system for mobile robotics and GPGPUs. <i>Concurrency Computation Practice and Experience</i> , 2018, 30, e4146.	1.4	7
30	Accelerating single-image super-resolution polynomial regression in mobile devices. <i>IEEE Transactions on Consumer Electronics</i> , 2015, 61, 63-71.	3.0	6
31	HASeparator: Hyperplane-Assisted Softmax. , 2020, , .		6
32	Generating Graph-Inspired Descriptors by Merging Ground-Level and Satellite Data for Robot Localization. <i>Cybernetics and Systems</i> , 2023, 54, 697-715.	1.6	6
33	CNN-based novelty detection for terrestrial and extra-terrestrial autonomous exploration. <i>IET Cyber-Systems and Robotics</i> , 2021, 3, 116-127.	1.1	5
34	Can Speedup Assist Accuracy? An On-Board GPU-Accelerated Image Georeference Method for UAVs. <i>Lecture Notes in Computer Science</i> , 2015, , 104-114.	1.0	2
35	A Product Pose Tracking Paradigm Based on Deep Points Detection. <i>Machines</i> , 2021, 9, 112.	1.2	2
36	Sequence-based visual place recognition: a scale-space approach for boundary detection. <i>Autonomous Robots</i> , 2021, 45, 505.	3.2	1