Manolis I A Lourakis

List of Publications by Citations

33 papers	1,175 citations	14 h-index	34 g-index
36 ext. papers	1,432 ext. citations	2.8 avg, IF	4.76 L-index

#	Paper	IF	Citations
33	SBA. *ACM Transactions on Mathematical Software*, **2009**, 36, 1-30	2.3	393
32	Toward automated generation of parametric BIMs based on hybrid video and laser scanning data. *Advanced Engineering Informatics*, **2010**, 24, 456-465	7.4	126
31	Automated as-built 3D reconstruction of civil infrastructure using computer vision: Achievements, opportunities, and challenges. *Advanced Engineering Informatics*, **2015**, 29, 149-161	7.4	108
30	T-LESS: An RGB-D Dataset for 6D Pose Estimation of Texture-Less Objects **2017**,		103
29	Real-Time Tracking of Multiple Skin-Colored Objects with a Possibly Moving Camera. *Lecture Notes in Computer Science*, **2004**, 368-379	0.9	88
28	Vision-Based Interpretation of Hand Gestures for Remote Control of a Computer Mouse. *Lecture Notes in Computer Science*, **2006**, 40-51	0.9	59
27	High-Performance Embedded Computing in Space: Evaluation of Platforms for Vision-Based Navigation. *Journal of Aerospace Information Systems*, **2018**, 15, 178-192	1	45
26	Detection and fine 3D pose estimation of texture-less objects in RGB-D images **2015**,		34
25	Model-Based Pose Estimation for Rigid Objects. *Lecture Notes in Computer Science*, **2013**, 83-92	0.9	25
24	HW/SW Codesign and FPGA Acceleration of Visual Odometry Algorithms for Rover Navigation on Mars. *IEEE Transactions on Circuits and Systems for Video Technology*, **2016**, 26, 1563-1577	6.4	24
23	Efficient, causal camera tracking in unprepared environments. *Computer Vision and Image Understanding*, **2005**, 99, 259-290	4.3	21
22	Tracking of Human Hands and Faces through Probabilistic Fusion of Multiple Visual Cues **2008**, 33-42		18
21	Sparse Non-linear Least Squares Optimization for Geometric Vision. *Lecture Notes in Computer Science*, **2010**, 43-56	0.9	15
20	Modified Rodrigues Parameters: An Efficient Representation of Orientation in 3D Vision and Graphics. *Journal of Mathematical Imaging and Vision*, **2018**, 60, 422-442	1.6	15
19	Three-dimensional tracking of multiple skin-colored regions by a moving stereoscopic system. *Applied Optics*, **2004**, 43, 366-78	1.7	11
18	Feature transfer and matching in disparate stereo views through the use of plane homographies. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2003**, 25, 271-276	13.3	10
17	Accurate Scale Factor Estimation in 3D Reconstruction. *Lecture Notes in Computer Science*, **2013**, 498-506	0.9	10

List of Publications

16	High-Performance Vision-Based Navigation on SoC FPGA for Spacecraft Proximity Operations. *IEEE Transactions on Circuits and Systems for Video Technology*, **2020**, 30, 1188-1202	6.4	10
15	Correspondence-free pose estimation for 3D objects from noisy depth data. *Visual Computer*, **2018**, 34, 193-211	2.3	9
14	3D Object Pose Refinement in Range Images. *Lecture Notes in Computer Science*, **2015**, 263-274	0.9	9
13	SPARTAN/SEXTANT/COMPASS: Advancing Space Rover Vision via Reconfigurable Platforms. *Lecture Notes in Computer Science*, **2015**, 475-486	0.9	7
12	Model-based visual tracking of orbiting satellites using edges **2017**,		6
11	An efficient solution to absolute orientation **2016**,		4
10	Horizon matching for localizing unordered panoramic images. *Computer Vision and Image Understanding*, **2010**, 114, 274-285	4.3	4
9	A Consistently Fast and Globally Optimal Solution to the Perspective-n-Point Problem. *Lecture Notes in Computer Science*, **2020**, 478-494	0.9	4
8	Single- and Multi-FPGA Acceleration of Dense Stereo Vision for Planetary Rovers. *Transactions on Embedded Computing Systems*, **2019**, 18, 1-27	1.8	3
7	Efficient Absolute Orientation Revisited **2018**,		3
6	Countering drift in Visual Odometry for planetary rovers by registering boulders in ground and orbital images **2015**,		2
5	A System for Geometrically Constrained Single View Reconstruction **2008**, 193-205		2
4	Project HIPNOS: Case Study of High Performance Avionics for Active Debris Removal in Space **2017**,		2
3	3D Pose Refinement Using Rendering and Texture-Based Matching. *Lecture Notes in Computer Science*, **2014**, 672-679	0.9	2
2	Parallel Robust Absolute Orientation on FPGA for Vision and Robotics **2018**,		1
1	Detection of Physical Strain and Fatigue in Industrial Environments Using Visual and Non-Visual Low-Cost Sensors. *Technologies*, **2022**, 10, 42	2.4	1