

# Xenophon Zabulis

## List of Publications by Year in descending order

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Version: 2024-02-01

122  
papers

2,045  
citations

361413

20  
h-index

395702

33  
g-index

129  
all docs

129  
docs citations

129  
times ranked

1682  
citing authors

#	ARTICLE	IF	CITATIONS
1	T-LESS: An RGB-D Dataset for 6D Pose Estimation of Texture-Less Objects. , 2017, , .		223
2	BOP: Benchmark for 6D Object Pose Estimation. Lecture Notes in Computer Science, 2018, , 19-35.	1.3	133
3	Scene Representation Technologies for 3DTVâ€™A Survey. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 1587-1605.	8.3	80
4	3-D Time-Varying Scene Capture Technologiesâ€™A Survey. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 1568-1586.	8.3	78
5	High-Performance Embedded Computing in Space: Evaluation of Platforms for Vision-Based Navigation. Journal of Aerospace Information Systems, 2018, 15, 178-192.	1.4	72
6	Head pose estimation on depth data based on Particle Swarm Optimization. , 2012, , .		62
7	Association Between Retinal Vessel Caliber and Arterial Stiffness in a Population Comprised of Normotensive To Early-Stage Hypertensive Individuals. American Journal of Hypertension, 2014, 27, 1472-1478.	2.0	61
8	Detection and fine 3D pose estimation of texture-less objects in RGB-D images. , 2015, , .		51
9	Divergent Retinal Vascular Abnormalities in Normotensive Persons and Patients With Never-Treated, Masked, White Coat Hypertension. American Journal of Hypertension, 2013, 26, 318-325.	2.0	49
10	Accumulation of microvascular target organ damage in newly diagnosed hypertensive patients. Journal of the American Society of Hypertension, 2014, 8, 542-549.	2.3	45
11	Detection of densely dispersed spherical bubbles in digital images based on a template matching technique. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 309, 96-106.	4.7	44
12	Synchronous Image Acquisition based on Network Synchronization. , 0, , .		30
13	Retinal image registration under the assumption of a spherical eye. Computerized Medical Imaging and Graphics, 2017, 55, 95-105.	5.8	30
14	Container effects on the free drainage of wet foams. Chemical Engineering Science, 2009, 64, 1404-1415.	3.8	29
15	Retinal vessel morphology in rheumatoid arthritis: Association with systemic inflammation, subclinical atherosclerosis, and cardiovascular risk. Microcirculation, 2017, 24, e12417.	1.8	29
16	The multiscale boiling investigation on-board the International Space Station: An overview. Applied Thermal Engineering, 2022, 205, 117932.	6.0	28
17	InÂvivo analysis of the time and spatial activation pattern of microglia in the retina following laser-induced choroidal neovascularization. Experimental Eye Research, 2015, 139, 13-21.	2.6	27
18	Effect of initial droplet shape on the tangential force required for spreading and sliding along a solid surface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 549, 164-173.	4.7	27

#	ARTICLE	IF	CITATIONS
19	Augmented interaction with physical books in an Ambient Intelligence learning environment. <i>Multimedia Tools and Applications</i> , 2013, 67, 473-495.	3.9	25
20	Representation and Preservation of Heritage Crafts. <i>Sustainability</i> , 2020, 12, 1461.	3.2	25
21	Dermal capillary rarefaction as a marker of microvascular damage in patients with rheumatoid arthritis: Association with inflammation and disorders of the macrocirculation. <i>Microcirculation</i> , 2018, 25, e12451.	1.8	23
22	Realistic Virtual Humans for Cultural Heritage Applications. <i>Heritage</i> , 2021, 4, 4148-4171.	1.9	23
23	WebOnCOLL: medical collaboration in regional healthcare networks. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 1997, 1, 257-269.	3.2	22
24	Mixed-Reality Demonstration and Training of Glassblowing. <i>Heritage</i> , 2022, 5, 103-128.	1.9	22
25	Lumen detection for capsule endoscopy. , 2008, , .		20
26	Image analysis of axisymmetric droplets in wetting experiments: A new tool for the study of 3D droplet geometry and droplet shape reconstruction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 553, 660-671.	4.7	20
27	High-Performance Vision-Based Navigation on SoC FPGA for Spacecraft Proximity Operations. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020, 30, 1188-1202.	8.3	20
28	An Approach to the Creation and Presentation of Reference Gesture Datasets, for the Preservation of Traditional Crafts. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7325.	2.5	20
29	Stereo-Based Environment Scanning for Immersive Telepresence. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2004, 14, 304-320.	8.3	19
30	Multicamera human detection and tracking supporting natural interaction with large-scale displays. <i>Machine Vision and Applications</i> , 2013, 24, 319-336.	2.7	19
31	Retinal image registration through simultaneous camera pose and eye shape estimation. , 2016, 2016, 3247-3251.		19
32	I2net medical image annotation service. <i>Medical Informatics = Medecine Et Informatique</i> , 1997, 22, 337-347.	0.8	18
33	Retinal image registration based on keypoint correspondences, spherical eye modeling and camera pose estimation. , 2015, 2015, 5650-4.		18
34	REMPE: Registration of Retinal Images Through Eye Modelling and Pose Estimation. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 3362-3373.	6.3	18
35	Region-Based Dense Depth Extraction from Multi-View Video. , 2007, , .		17
36	Effects of vibratory actuation on endoscopic capsule vision. , 2008, 2008, 5901-4.		17

#	ARTICLE	IF	CITATIONS
37	Vision-based 3D motion reconstruction of octopus arm swimming and comparison with an 8-arm underwater robot. , 2015, , .		17
38	A Study of 3D Digitisation Modalities for Crime Scene Investigation. Forensic Sciences, 2021, 1, 56-85.	1.5	17
39	Multi-camera reconstruction based on surface normal estimation and best viewpoint selection. , 0, , .		16
40	An experimental evaluation of the accuracy of keypoints-based retinal image registration. , 2017, 2017, 377-381.		16
41	3D head pose estimation from multiple distant views. , 2009, , .		15
42	Impaired metabolic profile is a predictor of capillary rarefaction in a population of hypertensive and normotensive individuals. Journal of the American Society of Hypertension, 2016, 10, 640-646.	2.3	14
43	Correspondence-free pose estimation for 3D objects from noisy depth data. Visual Computer, 2018, 34, 193-211.	3.5	14
44	Accurate Scale Factor Estimation in 3D Reconstruction. Lecture Notes in Computer Science, 2013, , 498-506.	1.3	14
45	Supporting Sign Language Narrations in the Museum. Heritage, 2022, 5, 1-20.	1.9	14
46	A method for the registration of spectral images of paintings and its evaluation. Journal of Cultural Heritage, 2018, 29, 10-18.	3.3	13
47	Representation and Presentation of Culinary Tradition as Cultural Heritage. Heritage, 2021, 4, 612-640.	1.9	13
48	Transforming Heritage Crafts to Engaging Digital Experiences. Springer Series on Cultural Computing, 2020, , 245-262.	0.6	13
49	Perceptually relevant and piecewise linear matching of silhouettes. Pattern Recognition, 2005, 38, 75-93.	8.1	12
50	PaperView. , 2010, , .		12
51	Augmenting physical books towards education enhancement. , 2013, , .		12
52	Increasing the Accuracy of the Space-Sweeping Approach to Stereo Reconstruction, using Spherical Backprojection Surfaces. , 2006, , .		11
53	Immersing Users in Landscapes Using Large Scale Displays in Public Spaces. Lecture Notes in Computer Science, 2015, , 152-162.	1.3	11
54	Design and Development of Four Prototype Interactive Edutainment Exhibits for Museums. Lecture Notes in Computer Science, 2011, , 173-182.	1.3	11

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55	Ambient educational mini-games. , 2012, , .		10
56	The book of Ellie: An interactive book for teaching the alphabet to children. , 2013, , .		10
57	iEat: An Interactive Table for Restaurant Customersâ€™ Experience Enhancement. Communications in Computer and Information Science, 2013, , 666-670.	0.5	10
58	3D Object Pose Refinement in Range Images. Lecture Notes in Computer Science, 2015, , 263-274.	1.3	10
59	Traditional Craft Training and Demonstration in Museums. Heritage, 2022, 5, 431-459.	1.9	10
60	Model-based visual tracking of orbiting satellites using edges. , 2017, , .		9
61	A Representation Protocol for Traditional Crafts. Heritage, 2022, 5, 716-741.	1.9	9
62	Multimodal Narratives for the Presentation of Silk Heritage in the Museum. Heritage, 2022, 5, 461-488.	1.9	9
63	Enhancing education through natural interaction with physical paper. Universal Access in the Information Society, 2015, 14, 427-447.	3.0	8
64	Monitoring Health Parameters of Elders to Support Independent Living and Improve Their Quality of Life. Sensors, 2021, 21, 517.	3.8	8
65	Starry night: a texture devoid of depth cues. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2004, 21, 2049.	1.5	7
66	A smart environment for augmented learning through physical books. , 2011, , .		7
67	A Prototypical Interactive Exhibition for the Archaeological Museum of Thessaloniki. International Journal of Heritage in the Digital Era, 2013, 2, 75-99.	0.5	7
68	Super resolution for funduscopy based on 3D image registration. , 2014, 2014, 6332-8.		7
69	Retinal image preprocessing, enhancement, and registration. , 2019, , 59-77.		7
70	Macedonia from Fragments to Pixels: A Permanent Exhibition of Interactive Systems at the Archaeological Museum of Thessaloniki. Lecture Notes in Computer Science, 2012, , 602-609.	1.3	7
71	Digitisation of Traditional Craft Processes. Journal on Computing and Cultural Heritage, 2022, 15, 1-24.	2.1	7
72	A Web-Based Platform for Traditional Craft Documentation. Multimodal Technologies and Interaction, 2022, 6, 37.	2.5	7

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73	Developing visual competencies for socially assistive robots. , 2013, , .		6
74	Tracking persons using a network of RGBD cameras. , 2014, , .		6
75	Shape from interaction. Machine Vision and Applications, 2014, 25, 1077-1087.	2.7	6
76	Single- and Multi-FPGA Acceleration of Dense Stereo Vision for Planetary Rovers. Transactions on Embedded Computing Systems, 2019, 18, 1-27.	2.9	6
77	Plane Surface Detection and Reconstruction using Induced Stereo Symmetry. , 2011, , .		6
78	Multicamera tracking of multiple humans based on colored visual hulls. , 2013, , .		5
79	Urinary albumin excretion in rheumatoid arthritis is not associated with markers of vasculopathy in distal microvascular beds. Microcirculation, 2019, 26, e12514.	1.8	5
80	Project HIPNOS: Case Study of High Performance Avionics for Active Debris Removal in Space. , 2017, , .		5
81	Transferring Traditional Crafts from the Physical to the Virtual World: An Authoring and Visualization Method and Platform. Journal on Computing and Cultural Heritage, 2022, 15, 1-24.	2.1	5
82	Paximadaki, the game. , 2012, , .		4
83	A STEERABLE MULTITOUCH DISPLAY FOR SURFACE COMPUTING AND ITS EVALUATION. International Journal on Artificial Intelligence Tools, 2013, 22, 1360016.	1.0	4
84	Association of Urinary Sodium Excretion with Vascular Damage: A Local Kidney Effect, Rather Than a Marker of Generalized Vascular Impairment. International Journal of Hypertension, 2018, 2018, 1-7.	1.3	4
85	A Platform for Monitoring Aspects of Human Presence in Real-Time. Lecture Notes in Computer Science, 2010, , 584-595.	1.3	4
86	Augmented Multitouch Interaction upon a 2-DOF Rotating Disk. Lecture Notes in Computer Science, 2012, , 642-653.	1.3	4
87	53.090 Virtual Rusks = 510 Real Smiles Using a Fun Exergame Installation for Advertising Traditional Food Products. Lecture Notes in Computer Science, 2012, , 214-229.	1.3	4
88	From Multiple Views to Textured 3D Meshes: A GPU-Powered Approach. Lecture Notes in Computer Science, 2012, , 384-397.	1.3	4
89	HCI International 2018 " Posters' Extended Abstracts. Communications in Computer and Information Science, 2018, , .	0.5	4
90	Multi-Scale Presentation of Spatial Context for Cultural Heritage Applications. Electronics (Switzerland), 2022, 11, 195.	3.1	4

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91	Efficient, Precise, and Accurate Utilization of the Uniqueness Constraint in Multi-View Stereo. , 2006, , .		3
92	3D Scene Reconstruction Based on Robust Camera Motion Estimation and Space Sweeping for a Cultural Heritage Virtual Tour System. , 2008, , .		3
93	Development of a three-dimensional surface imaging system for melanocytic skin lesion evaluation. Journal of Biomedical Optics, 2013, 18, 016009.	2.6	3
94	Tracking of multiple planar projection boards for interactive mixed-reality applications. Multimedia Tools and Applications, 2018, 77, 17457-17487.	3.9	3
95	Retinal image registration as a tool for supporting clinical applications. Computer Methods and Programs in Biomedicine, 2021, 199, 105900.	4.7	3
96	A Low-Cost Contactless Overhead Micrometer Surface Scanner. Applied Sciences (Switzerland), 2021, 11, 6274.	2.5	3
97	Interactive City Information Point: Your Guide to Heraklion City. Communications in Computer and Information Science, 2018, , 204-212.	0.5	3
98	Image Content Analysis and Description. Computational Imaging and Vision, 2001, , 1-19.	0.6	3
99	Digital Heritage Technology at the Archaeological Museum of Heraklion. Communications in Computer and Information Science, 2018, , 196-203.	0.5	3
100	Digitizing Archaeological Excavations from Multiple Views. , 0, , .		2
101	Segment-Based Stereo-Matching Via Plane and Angle Sweeping. , 2007, , .		2
102	Touch detection for planar interactive displays based on lateral depth views. Multimedia Tools and Applications, 2017, 76, 12683-12707.	3.9	2
103	Enhancing the Educational Value of Tangible and Intangible Dimensions of Traditional Crafts Through Role-Play Gaming. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 243-254.	0.3	2
104	TooltY: An Approach for the Combination of Motion Capture and 3D Reconstruction to Present Tool Usage in 3D Environments. Human-computer Interaction Series, 2021, , 165-180.	0.6	2
105	Lateral Touch Detection and Localization for Interactive, Augmented Planar Surfaces. Lecture Notes in Computer Science, 2015, , 551-560.	1.3	2
106	Foreground Detection with a Moving RGBD Camera. Lecture Notes in Computer Science, 2013, , 216-227.	1.3	2
107	3D Pose Refinement Using Rendering and Texture-Based Matching. Lecture Notes in Computer Science, 2014, , 672-679.	1.3	2
108	A Case Study on Supporting the Preservation, Valorization and Sustainability of Natural Heritage. Heritage, 2022, 5, 956-972.	1.9	2

#	ARTICLE	IF	CITATIONS
109	Modulating the Size of Backprojection Surface Patches, in Volumetric Stereo, for Increasing Reconstruction Accuracy and Robustness. , 2007, , .		1
110	Modulating the Shape and Size of Backprojection Surfaces to Improve Accuracy in Volumetric Stereo. Eurasip Journal on Advances in Signal Processing, 2008, 2009, .	1.7	1
111	COIN-O-RAMA. , 2018, , .		1
112	A reexamination of the Enright (1970) illusion: Distance from motion and stereo?. Journal of Vision, 2010, 2, 404-404.	0.3	1
113	Public Systems Supporting Noninstrumented Body-Based Interaction. Gaming Media and Social Effects, 2014, , 25-45.	0.7	1
114	Modeling craftspeople for cultural heritage: A case study. Computer Animation and Virtual Worlds, 0, , .	1.2	1
115	Advances in 3DTV: Theory and Practice. International Journal of Digital Multimedia Broadcasting, 2010, 2010, 1-2.	0.6	0
116	PP.11.23. Journal of Hypertension, 2015, 33, e230-e231.	0.5	0
117	Dyslipidemia and capillary rarefaction. A new relationship?. Atherosclerosis, 2015, 241, e70.	0.8	0
118	[PP.19.28] DETECTION OF RETINAL MICROVASCULAR ALTERATIONS IN RHEUMATOID ARTHRITIS PATIENTS WITHOUT CARDIOVASCULAR DISEASES. Journal of Hypertension, 2017, 35, e247-e248.	0.5	0
119	The starry night texture and its use to isolate depth cues. Journal of Vision, 2010, 2, 234-234.	0.3	0
120	Novelty Detection for Person Re-identification in an Open World. , 2019, , .		0
121	Unsupervised Domain Adaptation for Person Re-Identification with Few and Unlabeled Target Data. Lecture Notes in Computer Science, 2020, , 357-373.	1.3	0
122	The I2Cnet service architecture paradigm. Studies in Health Technology and Informatics, 1997, 43 Pt B, 596-600.	0.3	0