Xenophon Zabulis

List of Publications by Year
in descending order

122	2,045	361413	395702
papers	citations	20	33
		h-index	g-index

129	129	129	1682
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The multiscale boiling investigation on-board the International Space Station: An overview. Applied Thermal Engineering, 2022, 205, 117932.	6.0	28
2	Multi-Scale Presentation of Spatial Context for Cultural Heritage Applications. Electronics (Switzerland), 2022, 11, 195.	3.1	4
3	Mixed-Reality Demonstration and Training of Glassblowing. Heritage, 2022, 5, 103-128.	1.9	22
4	Supporting Sign Language Narrations in the Museum. Heritage, 2022, 5, 1-20.	1.9	14
5	Traditional Craft Training and Demonstration in Museums. Heritage, 2022, 5, 431-459.	1.9	10
6	Digitisation of Traditional Craft Processes. Journal on Computing and Cultural Heritage, 2022, 15, 1-24.	2.1	7
7	A Representation Protocol for Traditional Crafts. Heritage, 2022, 5, 716-741.	1.9	9
8	Multimodal Narratives for the Presentation of Silk Heritage in the Museum. Heritage, 2022, 5, 461-488.	1.9	9
9	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
10	A Case Study on Supporting the Preservation, Valorization and Sustainability of Natural Heritage. Heritage, 2022, 5, 956-972.	1.9	2
11	A Web-Based Platform for Traditional Craft Documentation. Multimodal Technologies and Interaction, 2022, 6, 37.	2.5	7
12	Retinal image registration as a tool for supporting clinical applications. Computer Methods and Programs in Biomedicine, 2021, 199, 105900.	4.7	3
13	Monitoring Health Parameters of Elders to Support Independent Living and Improve Their Quality of Life. Sensors, 2021, 21, 517.	3.8	8
14	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
15	Representation and Presentation of Culinary Tradition as Cultural Heritage. Heritage, 2021, 4, 612-640.	1.9	13
16	A Study of 3D Digitisation Modalities for Crime Scene Investigation. Forensic Sciences, 2021, 1, 56-85.	1.5	17
17	A Low-Cost Contactless Overhead Micrometer Surface Scanner. Applied Sciences (Switzerland), 2021, 11, 6274.	2.5	3
18	ToolY: 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

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19	Realistic Virtual Humans for Cultural Heritage Applications. Heritage, 2021, 4, 4148-4171.	1.9	23
20	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.	8.3	20
21	An Approach to the Creation and Presentation of Reference Gesture Datasets, for the Preservation of Traditional Crafts. Applied Sciences (Switzerland), 2020, 10, 7325.	2.5	20
22	Representation and Preservation of Heritage Crafts. Sustainability, 2020, 12, 1461.	3.2	25
23	REMPE: Registration of Retinal Images Through Eye Modelling and Pose Estimation. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 3362-3373.	6.3	18
24	Transforming Heritage Crafts to Engaging Digital Experiences. Springer Series on Cultural Computing, 2020, , 245-262.	0.6	13
25	Unsupervised Domain Adaptation for Person Re-Identification with Few and Unlabeled Target Data. Lecture Notes in Computer Science, 2020, , 357-373.	1.3	0
26	Single- and Multi-FPGA Acceleration of Dense Stereo Vision for Planetary Rovers. Transactions on Embedded Computing Systems, 2019, 18, 1-27.	2.9	6
27	Retinal image preprocessing, enhancement, and registration. , 2019, , 59-77.		7
28	Urinary albumin excretion in rheumatoid arthritis is not associated with markers of vasculopathy in distal microvascular beds. Microcirculation, 2019, 26, e12514.	1.8	5
29	Novelty Detection for Person Re-identification in an Open World. , 2019, , .		0
30	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
31	Tracking of multiple planar projection boards for interactive mixed-reality applications. Multimedia Tools and Applications, 2018, 77, 17457-17487.	3.9	3
32	Correspondence-free pose estimation for 3D objects from noisy depth data. Visual Computer, 2018, 34, 193-211.	3.5	14
33	A method for the registration of spectral images of paintings and its evaluation. Journal of Cultural Heritage, 2018, 29, 10-18.	3.3	13
34	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
35	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
36	Dermal capillary rarefaction as a marker of microvascular damage in patients with rheumatoid arthritis: Association with inflammation and disorders of the macrocirculation. Microcirculation, 2018, 25, e12451.	1.8	23

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37	COIN-O-RAMA. , 2018, , .		1
38	Image analysis of axisymmetric droplets in wetting experiments: A new tool for the study of 3D droplet geometry and droplet shape reconstruction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 553, 660-671.	4.7	20
39	BOP: Benchmark for 6D Object Pose Estimation. Lecture Notes in Computer Science, 2018, , 19-35.	1.3	133
40	Interactive City Information Point: Your Guide to Heraklion City. Communications in Computer and Information Science, 2018, , 204-212.	0.5	3
41	Digital Heritage Technology at the Archaeological Museum of Heraklion. Communications in Computer and Information Science, 2018, , 196-203.	0.5	3
42	HCI International 2018 â€" Posters' Extended Abstracts. Communications in Computer and Information Science, 2018, , .	0.5	4
43	Retinal image registration under the assumption of a spherical eye. Computerized Medical Imaging and Graphics, 2017, 55, 95-105.	5.8	30
44	Retinal vessel morphology in rheumatoid arthritis: Association with systemic inflammation, subclinical atherosclerosis, and cardiovascular risk. Microcirculation, 2017, 24, e12417.	1.8	29
45	An experimental evaluation of the accuracy of keypoints-based retinal image registration. , 2017, 2017, 377-381.		16
46	[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
47	T-LESS: An RGB-D Dataset for 6D Pose Estimation of Texture-Less Objects. , 2017, , .		223
48	Touch detection for planar interactive displays based on lateral depth views. Multimedia Tools and Applications, 2017, 76, 12683-12707.	3.9	2
49	Model-based visual tracking of orbiting satellites using edges. , 2017, , .		9
50	Project HIPNOS: Case Study of High Performance Avionics for Active Debris Removal in Space. , 2017, , .		5
51	Retinal image registration through simultaneous camera pose and eye shape estimation. , 2016, 2016, 3247-3251.		19
52	Impaired metabolic profile is a predictor of capillary rarefaction in a population of hypertensive and normotensiveÂindividuals. Journal of the American Society of Hypertension, 2016, 10, 640-646.	2.3	14
53	PP.11.23. Journal of Hypertension, 2015, 33, e230-e231.	0.5	0
54	Retinal image registration based on keypoint correspondences, spherical eye modeling and camera pose estimation. , 2015, 2015, 5650-4.		18

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55	Detection and fine 3D pose estimation of texture-less objects in RGB-D images. , 2015, , .		51
56	Dyslipidemia and capillary rarefaction. A new relationship?. Atherosclerosis, 2015, 241, e70.	0.8	0
57	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
58	Vision-based 3D motion reconstruction of octopus arm swimming and comparison with an 8-arm underwater robot. , 2015, , .		17
59	Enhancing education through natural interaction with physical paper. Universal Access in the Information Society, 2015, 14, 427-447.	3.0	8
60	Immersing Users in Landscapes Using Large Scale Displays in Public Spaces. Lecture Notes in Computer Science, 2015, , 152-162.	1.3	11
61	3D Object Pose Refinement in Range Images. Lecture Notes in Computer Science, 2015, , 263-274.	1.3	10
62	Lateral Touch Detection and Localization for Interactive, Augmented Planar Surfaces. Lecture Notes in Computer Science, 2015, , 551-560.	1.3	2
63	Super resolution for fundoscopy based on 3D image registration. , 2014, 2014, 6332-8.		7
64	Tracking persons using a network of RGBD cameras. , 2014, , .		6
65	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
66	Shape from interaction. Machine Vision and Applications, 2014, 25, 1077-1087.	2.7	6
67	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
68	3D Pose Refinement Using Rendering and Texture-Based Matching. Lecture Notes in Computer Science, 2014, , 672-679.	1.3	2
69	Public Systems Supporting Noninstrumented Body-Based Interaction. Gaming Media and Social Effects, 2014, , 25-45.	0.7	1
70	Augmented interaction with physical books in an Ambient Intelligence learning environment. Multimedia Tools and Applications, 2013, 67, 473-495.	3.9	25
71	Multicamera tracking of multiple humans based on colored visual hulls. , 2013, , .		5
72	Multicamera human detection and tracking supporting natural interaction with large-scale displays. Machine Vision and Applications, 2013, 24, 319-336.	2.7	19

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73	Developing visual competencies for socially assistive robots. , 2013, , .		6
74	Development of a three-dimensional surface imaging system for melanocytic skin lesion evaluation. Journal of Biomedical Optics, 2013, 18, 016009.	2.6	3
75	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
76	A STEERABLE MULTITOUCH DISPLAY FOR SURFACE COMPUTING AND ITS EVALUATION. International Journal on Artificial Intelligence Tools, 2013, 22, 1360016.	1.0	4
77	Augmenting physical books towards education enhancement. , 2013, , .		12
78	The book of Ellie: An interactive book for teaching the alphabet to children. , 2013, , .		10
79	iEat: An Interactive Table for Restaurant Customers' Experience Enhancement. Communications in Computer and Information Science, 2013, , 666-670.	0.5	10
80	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
81	Accurate Scale Factor Estimation in 3D Reconstruction. Lecture Notes in Computer Science, 2013, , 498-506.	1.3	14
82	Foreground Detection with a Moving RGBD Camera. Lecture Notes in Computer Science, 2013, , 216-227.	1.3	2
83	Ambient educational mini-games. , 2012, , .		10
84	Paximadaki, the game. , 2012, , .		4
85	Head pose estimation on depth data based on Particle Swarm Optimization. , 2012, , .		62
86	Augmented Multitouch Interaction upon a 2-DOF Rotating Disk. Lecture Notes in Computer Science, 2012, , 642-653.	1.3	4
87	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
88	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
89	From Multiple Views to Textured 3D Meshes: A GPU-Powered Approach. Lecture Notes in Computer Science, 2012, , 384-397.	1.3	4
90	A smart environment for augmented learning through physical books. , 2011, , .		7

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91	Design and Development of Four Prototype Interactive Edutainment Exhibits for Museums. Lecture Notes in Computer Science, 2011, , 173-182.	1.3	11
92	Plane Surface Detection and Reconstruction using Induced Stereo Symmetry. , 2011, , .		6
93	Advances in 3DTV: Theory and Practice. International Journal of Digital Multimedia Broadcasting, 2010, 2010, 1-2.	0.6	0
94	PaperView. , 2010, , .		12
95	A Platform for Monitoring Aspects of Human Presence in Real-Time. Lecture Notes in Computer Science, 2010, , 584-595.	1.3	4
96	A reexamination of the Enright (1970) illusion: Distance from motion and stereo?. Journal of Vision, 2010, 2, 404-404.	0.3	1
97	The starry night texture and its use to isolate depth cues. Journal of Vision, 2010, 2, 234-234.	0.3	0
98	Container effects on the free drainage of wet foams. Chemical Engineering Science, 2009, 64, 1404-1415.	3.8	29
99	3D head pose estimation from multiple distant views. , 2009, , .		15
100	Effects of vibratory actuation on endoscopic capsule vision. , 2008, 2008, 5901-4.		17
101	Lumen detection for capsule endoscopy. , 2008, , .		20
102	3D Scene Reconstruction Based on Robust Camera Motion Estimation and Space Sweeping for a Cultural Heritage Virtual Tour System. , 2008, , .		3
103	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
104	Modulating the Size of Backprojection Surface Patches, in Volumetric Stereo, for Increasing Reconstruction Accuracy and Robustness. , 2007, , .		1
105	Segment-Based Stereo-Matching Via Plane and Angle Sweeping. , 2007, , .		2
106	Region-Based Dense Depth Extraction from Multi-View Video. , 2007, , .		17
107	Scene Representation Technologies for 3DTVâ€"A Survey. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 1587-1605.	8.3	80
108	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

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109	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
110	Efficient, Precise, and Accurate Utilization of the Uniqueness Constraint in Multi-View Stereo. , 2006, , .		3
111	Increasing the Accuracy of the Space-Sweeping Approach to Stereo Reconstruction, using Spherical Backprojection Surfaces. , 2006, , .		11
112	Perceptually relevant and piecewise linear matching of silhouettes. Pattern Recognition, 2005, 38, 75-93.	8.1	12
113	Stereo-Based Environment Scanning for Immersive Telepresence. IEEE Transactions on Circuits and Systems for Video Technology, 2004, 14, 304-320.	8.3	19
114	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
115	Image Content Analysis and Description. Computational Imaging and Vision, 2001, , 1-19.	0.6	3
116	I2net medical image annotation service. Medical Informatics = Medecine Et Informatique, 1997, 22, 337-347.	0.8	18
117	WebOnCOLL: medical collaboration in regional healthcare networks. IEEE Transactions on Information Technology in Biomedicine, 1997, 1, 257-269.	3.2	22
118	The I2Cnet service architecture paradigm. Studies in Health Technology and Informatics, 1997, 43 Pt B, 596-600.	0.3	0
119	Multi-camera reconstruction based on surface normal estimation and best viewpoint selection. , 0, , .		16
120	Digitizing Archaeological Excavations from Multiple Views. , 0, , .		2
121	Synchronous Image Acquisition based on Network Synchronization. , 0, , .		30
122	Modeling craftspeople for cultural heritage: A case study. Computer Animation and Virtual Worlds, 0, , .	1.2	1