George Bebis

List of Publications by Year
in descending order

73 papers	3,983 citations	331670 21 h-index	289244 40 g-index
73 all docs	73 docs citations	73 times ranked	3146 citing authors

#	Article	IF	Citations
1	Editorial: Advances in Mathematical and Computational Oncology. Frontiers in Physiology, 2022, 13, 889198.	2.8	2
2	Two-step Data Augmentation for Masked Face Detection and Recognition: Turning Fake Masks to Real. , 2022, , .		2
3	Cross-Sensor Fingerprint Matching Using Siamese Network and Adversarial Learning. Sensors, 2021, 21, 3657.	3.8	10
4	Horizon line detection using supervised learning and edge cues. Computer Vision and Image Understanding, 2020, 191, 102879.	4.7	5
5	A Novel Method for Cancer Subtyping and Risk Prediction Using Consensus Factor Analysis. Frontiers in Oncology, 2020, 10, 1052.	2.8	13
6	Crater Detection Using Unsupervised Algorithms and Convolutional Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5373-5383.	6.3	19
7	A comparison of different Gabor feature extraction approaches for mass classification in mammography. Multimedia Tools and Applications, 2017, 76, 33-57.	3.9	61
8	Passive detection of image forgery using DCT and local binary pattern. Signal, Image and Video Processing, 2017, 11, 81-88.	2.7	93
9	On Crater Verification Using Mislocalized Crater Regions. , 2017, , .		4
10	A compact task representation for hierarchical robot control. , 2016, , .		9
11	Optimized Gabor features for mass classification in mammography. Applied Soft Computing Journal, 2016, 44, 267-280.	7.2	44
12	Biometric Template Protection Using Spiral Cube: Performance and Security Analysis. International Journal on Artificial Intelligence Tools, 2016, 25, 1550027.	1.0	4
13	Fusion of edge-less and edge-based approaches for horizon line detection. , 2015, , .		8
14	An Edge-Less Approach to Horizon Line Detection. , 2015, , .		19
15	Genetic feature selection for gait recognition. Journal of Electronic Imaging, 2015, 24, 013036.	0.9	26
16	Evaluation of Image Forgery Detection Using Multi-Scale Weber Local Descriptors. International Journal on Artificial Intelligence Tools, 2015, 24, 1540016.	1.0	36
17	Coupling Dynamic Programming with Machine Learning for Horizon Line Detection. International Journal on Artificial Intelligence Tools, 2015, 24, 1540018.	1.0	8
18	Nonsubsampled Contourlet Transform Based Descriptors for Gender Recognition. , 2014, , .		0

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19	Accurate and robust localization of duplicated region in copy–move image forgery. Machine Vision and Applications, 2014, 25, 451-475.	2.7	52
20	Image forgery detection using steerable pyramid transform and local binary pattern. Machine Vision and Applications, 2014, 25, 985-995.	2.7	154
21	A CUDA Based Implementation of Locally-and Feature-Adaptive Diffusion Based Image Denoising Algorithm. , 2014, , .		4
22	Comparison between WLD and LBP descriptors for non-intrusive image forgery detection. , 2014, , .		19
23	Fast spatio-temporal stereo for intelligent transportation systems. Pattern Analysis and Applications, 2014, 17, 211-221.	4.6	14
24	Vehicle Detection Using Probabilistic Fusion. Arabian Journal for Science and Engineering, 2013, 38, 2693-2701.	1.1	1
25	UNSUPERVISED DISCOVERY OF VISUAL FACE CATEGORIES. International Journal on Artificial Intelligence Tools, 2013, 22, 1250029.	1.0	3
26	Curvelet Transform and Local Texture Based Image Forgery Detection. Lecture Notes in Computer Science, 2013, , 503-512.	1.3	16
27	Gender recognition from faces using bandlet and local binary patterns. , 2013, , .		5
28	Copy-Move Image Forgery Detection Using Local Binary Pattern and Neighborhood Clustering. , 2013, , .		14
29	Copy move image forgery detection method using steerable pyramid transform and texture descriptor. , 2013, , .		18
30	Splicing image forgery detection based on DCT and Local Binary Pattern. , 2013, , .		46
31	Improving the detection and localization of duplicated regions in copy-move image forgery. , 2013, , .		11
32	A supervised machine learning approach to classify host roles on line using sFlow. , 2013, , .		19
33	Image forgery detection using multi-resolution Weber local descriptors. , 2013, , .		22
34	A survey of network flow applications. Journal of Network and Computer Applications, 2013, 36, 567-581.	9.1	179
35	Automatic segmentation and quantification of filamentous structures in electron tomography. , 2012, 2012, 170-177.		7
36	Copy-Move Image Forgery Detection Using Multi-Resolution Weber Descriptors. , 2012, , .		11

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37	Face Recognition Using Multiscale and Spatially Enhanced Weber Law Descriptor. , 2012, , .		7
38	Passive copy move image forgery detection using undecimated dyadic wavelet transform. Digital Investigation, 2012, 9, 49-57.	3.2	185
39	A Comparison of Different Gabor Features for Mass Classification in Mammography. , 2012, , .		10
40	RACE CLASSIFICATION FROM FACE IMAGES USING LOCAL DESCRIPTORS. International Journal on Artificial Intelligence Tools, 2012, 21, 1250019.	1.0	25
41	Mass Detection in Digital Mammograms Using Optimized Gabor Filter Bank. Lecture Notes in Computer Science, 2012, , 82-91.	1.3	2
42	Blind copy move image forgery detection using dyadic undecimated wavelet transform. , 2011, , .		26
43	A real-time spatio-temporal stereo matching for road applications. , 2011, , .		12
44	A comparative study on feature extraction for fingerprint classification and performance improvements using rank-level fusion. Pattern Analysis and Applications, 2010, 13, 263-272.	4.6	34
45	A Comparative Study of Hand Recognition Systems. , 2010, , .		2
46	Temporal consistent fast stereo matching for advanced driver assistance systems (ADAS). , 2010, , .		11
47	Improving hand-based verification through online finger template update based on fused confidences. , 2009, , .		8
48	Improving target detection by coupling it with tracking. Machine Vision and Applications, 2009, 20, 205-223.	2.7	17
49	Non-parametric statistical background modeling for efficient foreground region detection. Machine Vision and Applications, 2009, 20, 395-409.	2.7	55
50	Global hand pose estimation by multiple camera ellipse tracking. Machine Vision and Applications, 2009, 21, 1-15.	2.7	17
51	Integrating perceptual level of detail with head-pose estimation and its uncertainty. Machine Vision and Applications, 2009, 21, 69-83.	2.7	0
52	Hand-based verification and identification using palmâ€"finger segmentation and fusion. Computer Vision and Image Understanding, 2009, 113, 477-501.	4.7	31
53	Face Recognition, Thermal. , 2009, , 359-365.		0
54	3-D Object Recognition Using 2-D Views. IEEE Transactions on Image Processing, 2008, 17, 2236-2255.	9.8	32

#	Article	IF	Citations
55	Gender classification from hand shape. , 2008, , .		42
56	Investigating how and when perceptual organization cues improve boundary detection in natural images. , 2008, , .		0
57	Commentary Paper on "Textural Segmentation of Sidescan Sonar Images Based on Gabor Filters Bank and Active Contours without Edges". , 2008, , .		0
58	A SUPPORT VECTOR DATA DESCRIPTION APPROACH FOR BACKGROUND MODELING IN VIDEOS WITH QUASI-STATIONARY BACKGROUNDS. International Journal on Artificial Intelligence Tools, 2008, 17, 635-658.	1.0	9
59	AN ARCHITECTURE FOR UNDERSTANDING INTENT USING A NOVEL HIDDEN MARKOV FORMULATION. International Journal of Humanoid Robotics, 2008, 05, 203-224.	1.1	19
60	Feature Fusion Hierarchies for gender classification. , 2008, , .		13
61	Minutiae-Based Template Synthesis and Matching Using Hierarchical Delaunay Triangulations. , 2007, , .		13
62	A Component-Based Approach to Hand Verification. , 2007, , .		9
63	Vision-based hand pose estimation: A review. Computer Vision and Image Understanding, 2007, 108, 52-73.	4.7	693
64	RECOGNIZING SIMPLE HUMAN ACTIONS USING 3D HEAD MOVEMENT. Computational Intelligence, 2007, 23, 484-496.	3.2	10
65	On-road vehicle detection: a review. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 694-711.	13.9	899
66	Face recognition by fusing thermal infrared and visible imagery. Image and Vision Computing, 2006, 24, 727-742.	4.5	213
67	Monocular precrash vehicle detection: features and classifiers. IEEE Transactions on Image Processing, 2006, 15, 2019-2034.	9.8	218
68	Global Hand Pose Estimation by Multiple Camera Ellipse Tracking. Lecture Notes in Computer Science, 2006, , 122-132.	1.3	2
69	Visual Hull Construction Using Adaptive Sampling. , 2005, , .		16
70	Object detection using feature subset selection. Pattern Recognition, 2004, 37, 2165-2176.	8.1	231
71	Fusion of Infrared and Visible Images for Face Recognition. Lecture Notes in Computer Science, 2004, , 456-468.	1.3	47
72	Face Detection in the Near-IR Spectrum. Image and Vision Computing, 2003, 21, 565-578.	4.5	86

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73	FACE DETECTION AND VERIFICATION USING GENETIC SEARCH. International Journal on Artificial Intelligence Tools, 2000, 09, 225-246.	1.0	31