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	On-road vehicle detection: a review. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 694-711.	13.9	899
2	Vision-based hand pose estimation: A review. Computer Vision and Image Understanding, 2007, 108, 52-73.	4.7	693
3	Object detection using feature subset selection. Pattern Recognition, 2004, 37, 2165-2176.	8.1	231
4	Monocular precrash vehicle detection: features and classifiers. IEEE Transactions on Image Processing, 2006, 15, 2019-2034.	9.8	218
5	Face recognition by fusing thermal infrared and visible imagery. Image and Vision Computing, 2006, 24, 727-742.	4.5	213
6	Passive copy move image forgery detection using undecimated dyadic wavelet transform. Digital Investigation, 2012, 9, 49-57.	3.2	185
7	A survey of network flow applications. Journal of Network and Computer Applications, 2013, 36, 567-581.	9.1	179
8	Image forgery detection using steerable pyramid transform and local binary pattern. Machine Vision and Applications, 2014, 25, 985-995.	2.7	154
9	Passive detection of image forgery using DCT and local binary pattern. Signal, Image and Video Processing, 2017, 11, 81-88.	2.7	93
10	Face Detection in the Near-IR Spectrum. Image and Vision Computing, 2003, 21, 565-578.	4.5	86
11	A comparison of different Gabor feature extraction approaches for mass classification in mammography. Multimedia Tools and Applications, 2017, 76, 33-57.	3.9	61
12	Non-parametric statistical background modeling for efficient foreground region detection. Machine Vision and Applications, 2009, 20, 395-409.	2.7	55
13	Accurate and robust localization of duplicated region in copy–move image forgery. Machine Vision and Applications, 2014, 25, 451-475.	2.7	52
14	Fusion of Infrared and Visible Images for Face Recognition. Lecture Notes in Computer Science, 2004, , 456-468.	1.3	47
15	Splicing image forgery detection based on DCT and Local Binary Pattern. , 2013, , .		46
16	Optimized Gabor features for mass classification in mammography. Applied Soft Computing Journal, 2016, 44, 267-280.	7.2	44
17	Gender classification from hand shape. , 2008, , .		42
18	Evaluation of Image Forgery Detection Using Multi-Scale Weber Local Descriptors. International Journal on Artificial Intelligence Tools, 2015, 24, 1540016.	1.0	36

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19	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
20	3-D Object Recognition Using 2-D Views. IEEE Transactions on Image Processing, 2008, 17, 2236-2255.	9.8	32
21	FACE DETECTION AND VERIFICATION USING GENETIC SEARCH. International Journal on Artificial Intelligence Tools, 2000, 09, 225-246.	1.0	31
22	Hand-based verification and identification using palm–finger segmentation and fusion. Computer Vision and Image Understanding, 2009, 113, 477-501.	4.7	31
23	Blind copy move image forgery detection using dyadic undecimated wavelet transform. , 2011, , .		26
24	Genetic feature selection for gait recognition. Journal of Electronic Imaging, 2015, 24, 013036.	0.9	26
25	RACE CLASSIFICATION FROM FACE IMAGES USING LOCAL DESCRIPTORS. International Journal on Artificial Intelligence Tools, 2012, 21, 1250019.	1.0	25
26	Image forgery detection using multi-resolution Weber local descriptors. , 2013, , .		22
27	AN ARCHITECTURE FOR UNDERSTANDING INTENT USING A NOVEL HIDDEN MARKOV FORMULATION. International Journal of Humanoid Robotics, 2008, 05, 203-224.	1.1	19
28	A supervised machine learning approach to classify host roles on line using sFlow. , 2013, , .		19
29	Comparison between WLD and LBP descriptors for non-intrusive image forgery detection. , 2014, , .		19
30	An Edge-Less Approach to Horizon Line Detection. , 2015, , .		19
31	Crater Detection Using Unsupervised Algorithms and Convolutional Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5373-5383.	6.3	19
32	Copy move image forgery detection method using steerable pyramid transform and texture descriptor. , 2013, , .		18
33	Improving target detection by coupling it with tracking. Machine Vision and Applications, 2009, 20, 205-223.	2.7	17
34	Global hand pose estimation by multiple camera ellipse tracking. Machine Vision and Applications, 2009, 21, 1-15.	2.7	17
35	Visual Hull Construction Using Adaptive Sampling. , 2005, , .		16
36	Curvelet Transform and Local Texture Based Image Forgery Detection. Lecture Notes in Computer Science, 2013, , 503-512.	1.3	16

#	Article	IF	Citations
37	Copy-Move Image Forgery Detection Using Local Binary Pattern and Neighborhood Clustering. , 2013, , .		14
38	Fast spatio-temporal stereo for intelligent transportation systems. Pattern Analysis and Applications, 2014, 17, 211-221.	4.6	14
39	Minutiae-Based Template Synthesis and Matching Using Hierarchical Delaunay Triangulations. , 2007, , .		13
40	Feature Fusion Hierarchies for gender classification. , 2008, , .		13
41	A Novel Method for Cancer Subtyping and Risk Prediction Using Consensus Factor Analysis. Frontiers in Oncology, 2020, 10, 1052.	2.8	13
42	A real-time spatio-temporal stereo matching for road applications. , 2011, , .		12
43	Temporal consistent fast stereo matching for advanced driver assistance systems (ADAS). , 2010, , .		11
44	Copy-Move Image Forgery Detection Using Multi-Resolution Weber Descriptors. , 2012, , .		11
45	Improving the detection and localization of duplicated regions in copy-move image forgery. , 2013, , .		11
46	RECOGNIZING SIMPLE HUMAN ACTIONS USING 3D HEAD MOVEMENT. Computational Intelligence, 2007, 23, 484-496.	3.2	10
47	A Comparison of Different Gabor Features for Mass Classification in Mammography. , 2012, , .		10
48	Cross-Sensor Fingerprint Matching Using Siamese Network and Adversarial Learning. Sensors, 2021, 21, 3657.	3.8	10
49	A Component-Based Approach to Hand Verification. , 2007, , .		9
50	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
51	A compact task representation for hierarchical robot control. , 2016, , .		9
52	Improving hand-based verification through online finger template update based on fused confidences. , 2009, , .		8
53	Fusion of edge-less and edge-based approaches for horizon line detection. , 2015, , .		8
54	Coupling Dynamic Programming with Machine Learning for Horizon Line Detection. International Journal on Artificial Intelligence Tools, 2015, 24, 1540018.	1.0	8

#	ARTICLE	IF	CITATIONS
55	Automatic segmentation and quantification of filamentous structures in electron tomography. , 2012, 2012, 170-177.		7
56	Face Recognition Using Multiscale and Spatially Enhanced Weber Law Descriptor. , 2012, , .		7
57	Gender recognition from faces using bandlet and local binary patterns. , 2013, , .		5
58	Horizon line detection using supervised learning and edge cues. Computer Vision and Image Understanding, 2020, 191, 102879.	4.7	5
59	A CUDA Based Implementation of Locally-and Feature-Adaptive Diffusion Based Image Denoising Algorithm. , 2014, , .		4
60	Biometric Template Protection Using Spiral Cube: Performance and Security Analysis. International Journal on Artificial Intelligence Tools, 2016, 25, 1550027.	1.0	4
61	On Crater Verification Using Mislocalized Crater Regions. , 2017, , .		4
62	UNSUPERVISED DISCOVERY OF VISUAL FACE CATEGORIES. International Journal on Artificial Intelligence Tools, 2013, 22, 1250029.	1.0	3
63	A Comparative Study of Hand Recognition Systems. , 2010, , .		2
64	Global Hand Pose Estimation by Multiple Camera Ellipse Tracking. Lecture Notes in Computer Science, 2006, , 122-132.	1.3	2
65	Mass Detection in Digital Mammograms Using Optimized Gabor Filter Bank. Lecture Notes in Computer Science, 2012, , 82-91.	1.3	2
66	Editorial: Advances in Mathematical and Computational Oncology. Frontiers in Physiology, 2022, 13, 889198.	2.8	2
67	Two-step Data Augmentation for Masked Face Detection and Recognition: Turning Fake Masks to Real. , 2022, , .		2
68	Vehicle Detection Using Probabilistic Fusion. Arabian Journal for Science and Engineering, 2013, 38, 2693-2701.	1.1	1
69	Investigating how and when perceptual organization cues improve boundary detection in natural images. , 2008, , .		0
70	Commentary Paper on "Textural Segmentation of Sidescan Sonar Images Based on Gabor Filters Bank and Active Contours without Edges". , 2008, , .		0
71	Integrating perceptual level of detail with head-pose estimation and its uncertainty. Machine Vision and Applications, 2009, 21, 69-83.	2.7	0
72	Nonsubsampled Contourlet Transform Based Descriptors for Gender Recognition. , 2014, , .		0

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73	Face Recognition, Thermal. , 2009, , 359-365.		0