

# George Bebis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11355889/publications.pdf>

Version: 2024-02-01

73  
papers

3,983  
citations

331259

21  
h-index

288905

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.                                     | 9.7 | 899       |
| 2  | Vision-based hand pose estimation: A review. Computer Vision and Image Understanding, 2007, 108, 52-73.   | 3.0 | 693       |
| 3  | Object detection using feature subset selection. Pattern Recognition, 2004, 37, 2165-2176.  | 5.1 | 231       |
| 4  | Monocular precrash vehicle detection: features and classifiers. IEEE Transactions on Image Processing, 2006, 15, 2019-2034.                                 | 6.0 | 218       |
| 5  | Face recognition by fusing thermal infrared and visible imagery. Image and Vision Computing, 2006, 24, 727-742.   | 2.7 | 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.   | 5.8 | 179       |
| 8  | Image forgery detection using steerable pyramid transform and local binary pattern. Machine Vision and Applications, 2014, 25, 985-995.                     | 1.7 | 154       |
| 9  | Passive detection of image forgery using DCT and local binary pattern. Signal, Image and Video Processing, 2017, 11, 81-88.                                 | 1.7 | 93        |
| 10 | Face Detection in the Near-IR Spectrum. Image and Vision Computing, 2003, 21, 565-578.  | 2.7 | 86        |
| 11 | A comparison of different Gabor feature extraction approaches for mass classification in mammography. Multimedia Tools and Applications, 2017, 76, 33-57.   | 2.6 | 61        |
| 12 | Non-parametric statistical background modeling for efficient foreground region detection. Machine Vision and Applications, 2009, 20, 395-409.               | 1.7 | 55        |
| 13 | Accurate and robust localization of duplicated region in copy-move image forgery. Machine Vision and Applications, 2014, 25, 451-475.                       | 1.7 | 52        |
| 14 | Fusion of Infrared and Visible Images for Face Recognition. Lecture Notes in Computer Science, 2004, , 456-468.   | 1.0 | 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.   | 4.1 | 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. | 0.7 | 36        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 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. | 3.1 | 34        |
| 20 | 3-D Object Recognition Using 2-D Views. IEEE Transactions on Image Processing, 2008, 17, 2236-2255.  | 6.0 | 32        |
| 21 | FACE DETECTION AND VERIFICATION USING GENETIC SEARCH. International Journal on Artificial Intelligence Tools, 2000, 09, 225-246.   | 0.7 | 31        |
| 22 | Hand-based verification and identification using palmâ€“finger segmentation and fusion. Computer Vision and Image Understanding, 2009, 113, 477-501.                                 | 3.0 | 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.   | 0.5 | 26        |
| 25 | RACE CLASSIFICATION FROM FACE IMAGES USING LOCAL DESCRIPTORS. International Journal on Artificial Intelligence Tools, 2012, 21, 1250019.   | 0.7 | 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.                                     | 0.6 | 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.                           | 2.7 | 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.   | 1.7 | 17        |
| 34 | Global hand pose estimation by multiple camera ellipse tracking. Machine Vision and Applications, 2009, 21, 1-15.  | 1.7 | 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.  | 1.0 | 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.  | 3.1 | 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.  | 1.3 | 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.  | 2.1 | 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.   | 2.1 | 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. | 0.7 | 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.                                  | 0.7 | 8         |

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|----|--|-----|-----------|
| 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.                                    | 3.0 | 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. | 0.7 | 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.                                   | 0.7 | 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.   | 1.0 | 2         |
| 65 | Mass Detection in Digital Mammograms Using Optimized Gabor Filter Bank. Lecture Notes in Computer Science, 2012, , 82-91.                                      | 1.0 | 2         |
| 66 | Editorial: Advances in Mathematical and Computational Oncology. Frontiers in Physiology, 2022, 13, 889198.   | 1.3 | 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.                        | 1.7 | 0         |
| 72 | Nonsubsampled Contourlet Transform Based Descriptors for Gender Recognition. , 2014, , .   |     | 0         |

| #  | ARTICLE                                       | IF | CITATIONS |
|----|---|----|-----------|
| 73 | Face Recognition, Thermal. , 2009, , 359-365. |    | 0         |