

# Rolf Pp WÃ¼rtz

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

2,569  
citations

516215

16  
h-index

276539

41  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1708  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Computer Vision Technology in the Differential Diagnosis of Cushing's Syndrome. Experimental and Clinical Endocrinology and Diabetes, 2019, 127, 685-690.                                  | 0.6 | 12        |
| 2  | Unsupervised construction of human body models. Cognitive Systems Research, 2018, 47, 68-84.   | 1.9 | 0         |
| 3  | Cue Integration by Similarity Rank List Coding - Application to Invariant Object Recognition. , 2017, , .  |     | 1         |
| 4  | Reconstruction of images from Gabor graphs with applications in facial image processing. International Journal of Wavelets, Multiresolution and Information Processing, 2015, 13, 1550019. | 0.9 | 5         |
| 5  | Classification and Visualization Based on Derived Image Features: Application to Genetic Syndromes. PLoS ONE, 2014, 9, e109033.  | 1.1 | 9         |
| 6  | Learning invariant object recognition from temporal correlation in a hierarchical network. Neural Networks, 2014, 54, 70-84.   | 3.3 | 8         |
| 7  | Learning invariant face recognition from examples. Neural Networks, 2013, 41, 137-146.   | 3.3 | 12        |
| 8  | Automatic Face Classification of Cushing's Syndrome in Women - A Novel Screening Approach. Experimental and Clinical Endocrinology and Diabetes, 2013, 121, 561-564.                       | 0.6 | 25        |
| 9  | Face Recognition with Disparity Corrected Gabor Phase Differences. Lecture Notes in Computer Science, 2012, , 411-418.   | 1.0 | 13        |
| 10 | Genetic determination of human facial morphology: links between cleft-lips and normal variation. European Journal of Human Genetics, 2011, 19, 1192-1197.                                  | 1.4 | 89        |
| 11 | Automated syndrome detection in a set of clinical facial photographs. American Journal of Medical Genetics, Part A, 2011, 155, 2161-2169.  | 0.7 | 38        |
| 12 | A Novel Approach to the Detection of Acromegaly: Accuracy of Diagnosis by Automatic Face Classification. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 2074-2080.            | 1.8 | 92        |
| 13 | Autonomous learning of a human body model. , 2011, , .   |     | 1         |
| 14 | Learning to Look at Humans. , 2011, , 309-322.   |     | 2         |
| 15 | Evolutionary optimization of growing neural gas parameters for object categorization and recognition. , 2010, , .  |     | 2         |
| 16 | Two Kinds of Statistics for Better Face Recognition. , 2010, , .   |     | 0         |
| 17 | Learning Generic Human Body Models. Lecture Notes in Computer Science, 2010, , 98-107.   | 1.0 | 2         |
| 18 | Using Growing Neural Gas Networks to Represent Visual Object Knowledge. , 2009, , .  |     | 3         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | FACE DETECTION AND RECOGNITION USING MAXIMUM LIKELIHOOD CLASSIFIERS ON GABOR GRAPHS. International Journal of Pattern Recognition and Artificial Intelligence, 2009, 23, 433-461. | 0.7 | 15        |
| 20 | Combining Feature- and Correspondence-Based Methods for Visual Object Recognition. Neural Computation, 2009, 21, 1952-1989.   | 1.3 | 9         |
| 21 | Unsupervised learning of human body parts from video footage. , 2009, , .   |     | 6         |
| 22 | Self-organized Evaluation of Dynamic Hand Gestures for Sign Language Recognition. Understanding Complex Systems, 2009, , 321-342.   | 0.3 | 3         |
| 23 | Introduction: Organic Computing. Understanding Complex Systems, 2009, , 1-6.  | 0.3 | 1         |
| 24 | Learning from Examples to Generalize over Pose and Illumination. Lecture Notes in Computer Science, 2009, , 643-652.  | 1.0 | 5         |
| 25 | Impact of geometry and viewing angle on classification accuracy of 2D based analysis of dysmorphic faces. European Journal of Medical Genetics, 2008, 51, 44-53.                  | 0.7 | 29        |
| 26 | Learning to Look at Humans " What Are the Parts of a Moving Body?. Lecture Notes in Computer Science, 2008, , 22-31.  | 1.0 | 5         |
| 27 | Feature-Driven Emergence of Model Graphs for Object Recognition and Categorization. Studies in Computational Intelligence, 2008, , 155-199.                                       | 0.7 | 8         |
| 28 | Image Segmentation by a Network of Cortical Macrocolumns with Learned Connection Weights. International Federation for Information Processing, 2008, , 177-186.                   | 0.4 | 0         |
| 29 | Organic Computing for Video Analysis. , 2007, , .   |     | 0         |
| 30 | Organic Computing for Video Analysis. , 2007, , .   |     | 1         |
| 31 | Similarity Rank Correlation for Face Recognition Under Unenrolled Pose. Lecture Notes in Computer Science, 2007, , 67-76.   | 1.0 | 7         |
| 32 | Emergent Graphs with PCA-features for Improved Face Recognition. AIP Conference Proceedings, 2006, , .  | 0.3 | 4         |
| 33 | Syndrome identification based on 2D analysis software. European Journal of Human Genetics, 2006, 14, 1082-1089.   | 1.4 | 77        |
| 34 | A sensor for dynamic tactile information with applications in human"robot interaction and object exploration. Robotics and Autonomous Systems, 2006, 54, 1005-1014.               | 3.0 | 134       |
| 35 | A Flexible Object Model for Recognising and Synthesising Facial Expressions. Lecture Notes in Computer Science, 2005, , 81-90.  | 1.0 | 5         |
| 36 | Organic Computing Methods for Face Recognition (Methoden des Organic Computing zur) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td  | 0.6 | 6         |

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|----|---|-----|-----------|
| 37 | Image Representation by Complex Cell Responses. <i>Neural Computation</i> , 2004, 16, 2563-2575.  | 1.3 | 8         |
| 38 | Face authentication test on the BANCA database. , 2004, , .   |     | 51        |
| 39 | Computer-based recognition of dysmorphic faces. <i>European Journal of Human Genetics</i> , 2003, 11, 555-560.  | 1.4 | 68        |
| 40 | EXTRACTION AND MATCHING OF SYMBOLIC CONTOUR GRAPHS. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2003, 17, 1279-1302.                        | 0.7 | 7         |
| 41 | Learning the Gestalt Rule of Collinearity from Object Motion. <i>Neural Computation</i> , 2003, 15, 1865-1896.  | 1.3 | 20        |
| 42 | Learning the Topology of Object Views. <i>Lecture Notes in Computer Science</i> , 2002, , 747-760.  | 1.0 | 3         |
| 43 | Image Reconstruction from Gabor Magnitudes. <i>Lecture Notes in Computer Science</i> , 2002, , 117-126.   | 1.0 | 5         |
| 44 | Macrocolumns as Decision Units. <i>Lecture Notes in Computer Science</i> , 2002, , 57-62.   | 1.0 | 4         |
| 45 | Vision and Touch for Grasping. <i>Lecture Notes in Computer Science</i> , 2002, , 74-86.  | 1.0 | 0         |
| 46 | Efficient evaluation of serial sections by iterative Gabor matching. <i>Journal of Neuroscience Methods</i> , 2001, 111, 141-150.   | 1.3 | 7         |
| 47 | Gossiping Nets. <i>Artificial Intelligence</i> , 2000, 119, 295-299.  | 3.9 | 0         |
| 48 | Corner detection in color images through a multiscale combination of end-stopped cortical cells. <i>Image and Vision Computing</i> , 2000, 18, 531-541.                           | 2.7 | 49        |
| 49 | On the performance of neuronal matching algorithms. <i>Neural Networks</i> , 1999, 12, 127-134.   | 3.3 | 21        |
| 50 | GripSee: A Gesture-Controlled Robot for Object Perception and Manipulation. <i>Autonomous Robots</i> , 1999, 6, 203-221.  | 3.2 | 46        |
| 51 | Extracting Symbols from the Environment â€” The Concept of Correspondence-Based Object Recognition. <i>Informatik Aktuell</i> , 1998, , 107-116.                                  | 0.4 | 0         |
| 52 | Tracking facial feature points with Gabor wavelets and shape models. <i>Lecture Notes in Computer Science</i> , 1997, , 35-42.  | 1.0 | 56        |
| 53 | Corner detection in color images by multiscale combination of end-stopped cortical cells. <i>Lecture Notes in Computer Science</i> , 1997, , 901-906.                             | 1.0 | 15        |
| 54 | Object recognition robust under translations, deformations, and changes in background. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 1997, 19, 769-775. | 9.7 | 103       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Context dependent feature groups, a proposal for object representation. Behavioral and Brain Sciences, 1997, 20, 702-703.    | 0.4 | 0         |
| 56 | Distortion invariant object recognition in the dynamic link architecture. IEEE Transactions on Computers, 1993, 42, 300-311. | 2.4 | 1,430     |
| 57 | Optimising strategies for face classification in the detection of acromegaly. Endocrine Abstracts, 0, , .                    | 0.0 | 0         |