

# Seiichi Uchida

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1721469/seiichi-uchida-publications-by-year.pdf>

**Version:** 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

171  
papers

2,626  
citations

18  
h-index

48  
g-index

190  
ext. papers

3,606  
ext. citations

3.4  
avg, IF

5.77  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 171 | Automatic Estimation of Ulcerative Colitis Severity by Learning to Rank With Calibration. <i>IEEE Access</i> , <b>2022</b> , 10, 25688-25695                                      | 3.5  | 1         |
| 170 | Shared Latent Space of Font Shapes and Their Noisy Impressions. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 146-157  | 0.9  |           |
| 169 | Font Shape-to-Impression Translation. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 3-17   | 0.9  |           |
| 168 | Revealing Reliable Signatures by Learning Top-Rank Pairs. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 323-337  | 0.9  |           |
| 167 | TrueType Transformer: Character and Font Style Recognition in Outline Format. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 18-32                                      | 0.9  |           |
| 166 | Discovery of anti-inflammatory physiological peptides that promote tissue repair by reinforcing epithelial barrier formation. <i>Science Advances</i> , <b>2021</b> , 7, eabj6895 | 14.3 | 0         |
| 165 | Top-Rank Learning Robust to Outliers. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 608-619  | 0.9  |           |
| 164 | Complex image processing with less data Document image binarization by integrating multiple pre-trained U-Net modules. <i>Pattern Recognition</i> , <b>2021</b> , 109, 107577     | 7.7  | 19        |
| 163 | Noninvasive Diagnosis of Seedless Fruit Using Deep Learning in Persimmon. <i>Horticulture Journal</i> , <b>2021</b> , 90, 172-180   | 1.1  | 2         |
| 162 | Time Series Data Augmentation for Neural Networks by Time Warping with a Discriminative Teacher <b>2021</b> ,   |      | 8         |
| 161 | Towards Book Cover Design via Layout Graphs. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 642-657   | 0.9  |           |
| 160 | Using Robust Regression to Find Font Usage Trends. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 126-141   | 0.9  |           |
| 159 | Attention to Warp: Deep Metric Learning for Multivariate Time Series. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 350-365  | 0.9  | 0         |
| 158 | STIM-Orai1 signaling regulates fluidity of cytoplasm during membrane blebbing. <i>Nature Communications</i> , <b>2021</b> , 12, 480   | 17.4 | 6         |
| 157 | Meta-learning of Pooling Layers for Character Recognition. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 188-203   | 0.9  |           |
| 156 | Famous Companies Use More Letters in Logo: A Large-Scale Analysis of Text Area in Logo. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 97-111                           | 0.9  |           |
| 155 | An empirical survey of data augmentation for time series classification with neural networks. <i>PLoS ONE</i> , <b>2021</b> , 16, e0254841  | 3.7  | 44        |

|     |   |      |    |
|-----|---|------|----|
| 154 | Soft and self constrained clustering for group-based labeling. <i>Medical Image Analysis</i> , <b>2021</b> , 72, 102097                                     | 15.4 |    |
| 153 | Odor Recognition of Thermal Decomposition Products of Electric Cables Using Odor Sensing Arrays. <i>Chemosensors</i> , <b>2021</b> , 9, 261                 | 4    | 1  |
| 152 | Learning the micro deformations by max-pooling for offline signature verification. <i>Pattern Recognition</i> , <b>2021</b> , 118, 108008                   | 7.7  | 1  |
| 151 | Top-rank convolutional neural network and its application to medical image-based diagnosis. <i>Pattern Recognition</i> , <b>2021</b> , 120, 108138          | 7.7  | 4  |
| 150 | . <i>IEEE Access</i> , <b>2021</b> , 9, 103279-103290   | 3.5  | 1  |
| 149 | Which Parts Determine the Impression of the Font?. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 723-738   | 0.9  | 2  |
| 148 | Font Style that Fits an Image [Font Generation Based on Image Context. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 569-584                     | 0.9  |    |
| 147 | Impressions2Font: Generating Fonts by Specifying Impressions. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 739-754                              | 0.9  | 2  |
| 146 | Guided neural style transfer for shape stylization. <i>PLoS ONE</i> , <b>2020</b> , 15, e0233489  | 3.7  | 4  |
| 145 | Coordinated changes in cell membrane and cytoplasm during maturation of apoptotic bleb. <i>Molecular Biology of the Cell</i> , <b>2020</b> , 31, 833-844    | 3.5  | 13 |
| 144 | Benchmarking Deep Learning Models for Classification of Book Covers. <i>SN Computer Science</i> , <b>2020</b> , 1, 1  | 2    | 1  |
| 143 | <b>2020</b> ,   |      | 1  |
| 142 | Few-Shot Text Style Transfer via Deep Feature Similarity. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , 29, 6932-6946                        | 8.7  | 5  |
| 141 | Neural Style Difference Transfer and Its Application to Font Generation. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 544-558                   | 0.9  | 0  |
| 140 | ACMU-Nets: Attention Cascading Modular U-Nets Incorporating Squeeze and Excitation Blocks. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 118-130 | 0.9  |    |
| 139 | Character-Independent Font Identification. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 497-511   | 0.9  | 0  |
| 138 | Optimal Rejection Function Meets Character Recognition Tasks. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 169-183                              | 0.9  |    |
| 137 | Effect of Text Color on Word Embeddings. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 341-355   | 0.9  | 2  |

|     |   |     |    |
|-----|---|-----|----|
| 136 | Regularized Pooling. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 241-254   | 0.9 | 2  |
| 135 | Explainable Deep Learning Reproduces a Professional EyeSon the Diagnosis of Internal Disorders in Persimmon Fruit. <i>Plant and Cell Physiology</i> , <b>2020</b> , 61, 1967-1973 | 4.9 | 4  |
| 134 | Time series classification using local distance-based features in multi-modal fusion networks. <i>Pattern Recognition</i> , <b>2020</b> , 97, 107024                              | 7.7 | 16 |
| 133 | DTW-NN: A novel neural network for time series recognition using dynamic alignment between inputs and weights. <i>Knowledge-Based Systems</i> , <b>2020</b> , 188, 104971         | 7.3 | 14 |
| 132 | Automatic Generation of Typographic Font From Small Font Subset. <i>IEEE Computer Graphics and Applications</i> , <b>2020</b> , 40, 99-111  | 1.7 | 8  |
| 131 | . <i>IEEE Access</i> , <b>2019</b> , 7, 144030-144042   | 3.5 | 12 |
| 130 | Biosignal Generation and Latent Variable Analysis With Recurrent Generative Adversarial Networks. <i>IEEE Access</i> , <b>2019</b> , 7, 144292-144302                             | 3.5 | 9  |
| 129 | GlyphGAN: Style-consistent font generation based on generative adversarial networks. <i>Knowledge-Based Systems</i> , <b>2019</b> , 186, 104927                                   | 7.3 | 16 |
| 128 | Mining the displacement of max-pooling for text recognition. <i>Pattern Recognition</i> , <b>2019</b> , 93, 558-569   | 7.7 | 21 |
| 127 | Prewarping Siamese Network: Learning Local Representations for Online Signature Verification <b>2019</b> ,  |     | 7  |
| 126 | Efficient Soft-Constrained Clustering for Group-Based Labeling. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 421-430  | 0.9 | 1  |
| 125 | A Trainable Multiplication Layer for Auto-correlation and Co-occurrence Extraction. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 414-430                              | 0.9 | 1  |
| 124 | RankSVM for Offline Signature Verification <b>2019</b> ,  |     | 2  |
| 123 | Serif or Sans: Visual Font Analytics on Book Covers and Online Advertisements <b>2019</b> ,   |     | 4  |
| 122 | Deep Dynamic Time Warping: End-to-End Local Representation Learning for Online Signature Verification <b>2019</b> ,   |     | 11 |
| 121 | Logo Design Analysis by Ranking <b>2019</b> ,   |     | 1  |
| 120 | Capturing Micro Deformations from Pooling Layers for Offline Signature Verification <b>2019</b> ,   |     | 1  |
| 119 | Cascading Modular U-Nets for Document Image Binarization <b>2019</b> ,  |     | 7  |

|     |  |      |    |
|-----|--|------|----|
| 118 | Selective Super-Resolution for Scene Text Images <b>2019</b> ,   |      | 2  |
| 117 | Page Segmentation using a Convolutional Neural Network with Trainable Co-Occurrence Features <b>2019</b> ,   |      | 8  |
| 116 | Modality Conversion of Handwritten Patterns by Cross Variational Autoencoders <b>2019</b> ,  |      | 5  |
| 115 | Human Reading Knowledge Inspired Text Line Extraction. <i>Cognitive Computation</i> , <b>2018</b> , 10, 84-93  | 4.4  | 5  |
| 114 | The cytoplasmic region of the amyloid $\beta$ protein precursor (APP) is necessary and sufficient for the enhanced fast velocity of APP transport by kinesin-1. <i>FEBS Letters</i> , <b>2018</b> , 592, 2716-2724     | 3.8  | 4  |
| 113 | Contained Neural Style Transfer for Decorated Logo Generation <b>2018</b> ,  |      | 5  |
| 112 | On Fast Sample Preselection for Speeding up Convolutional Neural Network Training. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 65-75  | 0.9  |    |
| 111 | How do Convolutional Neural Networks Learn Design? <b>2018</b> ,   |      | 8  |
| 110 | Basal filopodia and vascular mechanical stress organize fibronectin into pillars bridging the mesoderm-endoderm gap. <i>Development (Cambridge)</i> , <b>2017</b> , 144, 281-291                                       | 6.6  | 18 |
| 109 | Efficient temporal pattern recognition by means of dissimilarity space embedding with discriminative prototypes. <i>Pattern Recognition</i> , <b>2017</b> , 64, 268-276  | 7.7  | 13 |
| 108 | Endoplasmic-reticulum-mediated microtubule alignment governs cytoplasmic streaming. <i>Nature Cell Biology</i> , <b>2017</b> , 19, 399-406   | 23.4 | 24 |
| 107 | Font Creation Using Class Discriminative Deep Convolutional Generative Adversarial Networks <b>2017</b> ,  |      | 6  |
| 106 | Neural Font Style Transfer <b>2017</b> ,   |      | 17 |
| 105 | Scene Text Relocation with Guidance <b>2017</b> ,  |      | 5  |
| 104 | Three-dimensional computer graphic animations for studying social approach behaviour in medaka fish: Effects of systematic manipulation of morphological and motion cues. <i>PLoS ONE</i> , <b>2017</b> , 12, e0175059 | 3.7  | 11 |
| 103 | Visualizing the Distribution of a Large-Scale Pattern Set using Compressed Relative Neighborhood Graph. <i>IEEJ Transactions on Electronics, Information and Systems</i> , <b>2017</b> , 137, 1495-1505                | 0.1  |    |
| 102 | Reading-Life Log as a New Paradigm of Utilizing Character and Document Media <b>2017</b> , 197-233   |      | 0  |
| 101 | Basal filopodia and vascular mechanical stress organize fibronectin into pillars bridging the mesoderm-endoderm gap. <i>Journal of Cell Science</i> , <b>2017</b> , 130, e1.2-e1.2                                     | 5.3  |    |

|     |   |      |     |
|-----|---|------|-----|
| 100 | A new method for multi-oriented graphics-scene-3D text classification in video. <i>Pattern Recognition</i> , <b>2016</b> , 49, 19-42  | 7.7  | 5   |
| 99  | Interphase adhesion geometry is transmitted to an internal regulator for spindle orientation via caveolin-1. <i>Nature Communications</i> , <b>2016</b> , 7, ncomms11858                        | 17.4 | 14  |
| 98  | A RhoA and Rnd3 cycle regulates actin reassembly during membrane blebbing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E1863-71 | 11.5 | 37  |
| 97  | A Comparative Evaluation of Unsupervised Anomaly Detection Algorithms for Multivariate Data. <i>PLoS ONE</i> , <b>2016</b> , 11, e0152173   | 3.7  | 334 |
| 96  | Globally Optimal Text Line Extraction Based on K-Shortest Paths Algorithm <b>2016</b> ,   |      | 2   |
| 95  | A Further Step to Perfect Accuracy by Training CNN with Larger Data <b>2016</b> ,   |      | 10  |
| 94  | A Robust Dissimilarity-Based Neural Network for Temporal Pattern Recognition <b>2016</b> ,  |      | 4   |
| 93  | Could scene context be beneficial for scene text detection?. <i>Pattern Recognition</i> , <b>2016</b> , 58, 204-215   | 7.7  | 25  |
| 92  | Preselection of support vector candidates by relative neighborhood graph for large-scale character recognition <b>2015</b> ,  |      | 7   |
| 91  | Exploring the world of fonts for discovering the most standard fonts and the missing fonts <b>2015</b> ,  |      | 10  |
| 90  | True color distributions of scene text and background <b>2015</b> ,   |      | 1   |
| 89  | Data Embedding into Characters. <i>IEICE Transactions on Information and Systems</i> , <b>2015</b> , E98.D, 10-20   | 0.6  |     |
| 88  | Efficient Anchor Graph Hashing with Data-Dependent Anchor Selection. <i>IEICE Transactions on Information and Systems</i> , <b>2015</b> , E98.D, 2030-2033                                      | 0.6  | 0   |
| 87  | Tackling temporal pattern recognition by vector space embedding <b>2015</b> ,   |      | 1   |
| 86  | Deep BLSTM neural networks for unconstrained continuous handwritten text recognition <b>2015</b> ,  |      | 14  |
| 85  | ICDAR 2015 competition on Robust Reading <b>2015</b> ,  |      | 529 |
| 84  | Improving Hausdorff Edit Distance Using Structural Node Context. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 148-157   | 0.9  | 2   |
| 83  | Text Localization and Recognition in Images and Video <b>2014</b> , 843-883   |      | 19  |

|    |   |     |    |
|----|---|-----|----|
| 82 | Comparative performance analysis of stroke correspondence search methods for stroke-order free online multi-stroke character recognition. <i>Frontiers of Computer Science</i> , <b>2014</b> , 8, 773-784 | 2.2 | 1  |
| 81 | Improved BLSTM Neural Networks for Recognition of On-Line Bangla Complex Words. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 404-413  | 0.9 | 5  |
| 80 | Recovery and localization of handwritings by a camera-pen based on tracking and document image retrieval. <i>Pattern Recognition Letters</i> , <b>2014</b> , 35, 214-224                                  | 4.7 | 1  |
| 79 | Visual Saliency Models for Text Detection in Real World. <i>PLoS ONE</i> , <b>2014</b> , 9, e114539   | 3.7 | 10 |
| 78 | Automatic Signature Stability Analysis and Verification Using Local Features <b>2014</b> ,  |     | 18 |
| 77 | Quantitative analysis of APP axonal transport in neurons: role of JIP1 in enhanced APP anterograde transport. <i>Molecular Biology of the Cell</i> , <b>2014</b> , 25, 3569-80                            | 3.5 | 42 |
| 76 | LSTM-Based Early Recognition of Motion Patterns <b>2014</b> ,   |     | 6  |
| 75 | Simple and direct assembly of kymographs from movies using KYMOMAKER. <i>Traffic</i> , <b>2014</b> , 15, 1-11   | 5.7 | 23 |
| 74 | Selective Concealment of Characters for Privacy Protection <b>2014</b> ,  |     | 5  |
| 73 | Global feature for online character recognition. <i>Pattern Recognition Letters</i> , <b>2014</b> , 35, 142-148   | 4.7 | 13 |
| 72 | More than ink □Realization of a data-embedding pen. <i>Pattern Recognition Letters</i> , <b>2014</b> , 35, 246-255  | 4.7 | 2  |
| 71 | A parallel image encryption method based on compressive sensing. <i>Multimedia Tools and Applications</i> , <b>2014</b> , 72, 71-93   | 2.5 | 76 |
| 70 | A Hierarchical Visual Saliency Model for Character Detection in Natural Scenes. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 18-29  | 0.9 | 2  |
| 69 | Statistical Deformation Model for Handwritten Character Recognition. <i>Statistical Science and Interdisciplinary Research</i> , <b>2014</b> , 157-174  |     |    |
| 68 | Font Distribution Observation by Network-Based Analysis. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 83-97.9   |     |    |
| 67 | Image processing and recognition for biological images. <i>Development Growth and Differentiation</i> , <b>2013</b> , 55, 523-49  | 3   | 55 |
| 66 | Part-based methods for handwritten digit recognition. <i>Frontiers of Computer Science</i> , <b>2013</b> , 7, 514-525   | 2.2 | 7  |
| 65 | Detection and Tracking Protein Molecules in Fluorescence Microscopic Video <b>2013</b> ,  |     | 2  |

|    |   |     |  |     |
|----|---|-----|--|-----|
| 64 | Stable Marriage Algorithm for Tracking Intracellular Objects <b>2013</b> ,  |     |  | 2   |
| 63 | The Reading-Life Log -- Technologies to Recognize Texts That We Read <b>2013</b> ,  |     |  | 7   |
| 62 | Analyzing the Distribution of a Large-Scale Character Pattern Set Using Relative Neighborhood Graph <b>2013</b> ,   |     |  | 8   |
| 61 | On the Possibility of Structure Learning-Based Scene Character Detector <b>2013</b> ,   |     |  | 3   |
| 60 | Part-Based Recognition of Arbitrary Fonts <b>2013</b> ,   |     |  | 1   |
| 59 | Scene Character Detection by an Edge-Ray Filter <b>2013</b> ,   |     |  | 10  |
| 58 | Odor spatial distribution visualized by a fluorescent imaging sensor <b>2013</b> ,  |     |  | 1   |
| 57 | Activity Recognition for the Mind: Toward a Cognitive "Quantified Self". <i>Computer</i> , <b>2013</b> , 46, 105-108  | 1.6 |  | 32  |
| 56 | ICDAR 2013 Robust Reading Competition <b>2013</b> ,   |     |  | 565 |
| 55 | Scene Character Detection and Recognition with Cooperative Multiple-Hypothesis Framework. <i>IEICE Transactions on Information and Systems</i> , <b>2013</b> , E96.D, 2235-2244   | 0.6 |  | 4   |
| 54 | Skew Estimation by Parts. <i>IEICE Transactions on Information and Systems</i> , <b>2013</b> , E96.D, 1503-1512   | 0.6 |  | 1   |
| 53 | Data-Embedding Pen. <i>Advances in Multimedia and Interactive Technologies Book Series</i> , <b>2013</b> , 396-411  | 0.2 |  |     |
| 52 | A voting-based sequential pattern recognition method. <i>PLoS ONE</i> , <b>2013</b> , 8, e76980   | 3.7 |  | 0   |
| 51 | Affine-invariant character recognition by progressive removing. <i>Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi)</i> , <b>2012</b> , 180, 55-63 | 0.4 |  | 2   |
| 50 | On the possibility of instance-based stroke recovery <b>2012</b> ,  |     |  | 4   |
| 49 | Character Image Patterns as Big Data <b>2012</b> ,  |     |  | 4   |
| 48 | Dynamic Programming Matching with Global Features for Online Character Recognition <b>2012</b> ,  |     |  | 1   |
| 47 | A Part-Based Skew Estimation Method <b>2012</b> ,   |     |  | 3   |

|    |   |     |    |
|----|---|-----|----|
| 46 | How Important is Global Structure for Characters? <b>2012</b> ,   |     | 2  |
| 45 | How Salient is Scene Text? <b>2012</b> ,  |     | 15 |
| 44 | Optical Odor Imaging by Fluorescence Probes. <i>Journal of Robotics and Mechatronics</i> , <b>2012</b> , 24, 47-54  | 0.7 | 8  |
| 43 | Analytical Dynamic Programming Matching. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 92-101  | 0.9 | 0  |
| 42 | Look Inside the World of Parts of Handwritten Characters <b>2011</b> ,  |     | 2  |
| 41 | Reliable Online Stroke Recovery from Offline Data with the Data-Embedding Pen <b>2011</b> ,   |     | 7  |
| 40 | A Keypoint-Based Approach toward Scenery Character Detection <b>2011</b> ,  |     | 18 |
| 39 | Comparative Study of Part-Based Handwritten Character Recognition Methods <b>2011</b> ,   |     | 12 |
| 38 | Scenery Character Detection with Environmental Context <b>2011</b> ,  |     | 4  |
| 37 | Analytical Dynamic Programming Tracker. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 296-309  | 0.9 | 4  |
| 36 | Affine Invariant Character Recognition by Progressive Removing. <i>IEEJ Transactions on Industry Applications</i> , <b>2011</b> , 131, 873-879                      | 0.2 | 1  |
| 35 | A New Approach for Instance-Based Skew Estimation. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 195-203   | 0.9 |    |
| 34 | Object Tracking with RFID. <i>IEEJ Transactions on Industry Applications</i> , <b>2011</b> , 131, 441-447   | 0.2 |    |
| 33 | Toward Forensics by Stroke Order Variation [Performance Evaluation of Stroke Correspondence Methods. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 43-55 | 0.9 |    |
| 32 | Handwriting on Paper as a Cybermedium. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 204-211   | 0.9 |    |
| 31 | Data-embedding pen <b>2010</b> ,  |     | 5  |
| 30 | Expansion of queries and databases for improving the retrieval accuracy of document portions <b>2010</b> ,  |     | 9  |
| 29 | Embedding Meta-Information in Handwriting -- Reed-Solomon for Reliable Error Correction <b>2010</b> ,   |     | 4  |

|    |  |     |    |
|----|--|-----|----|
| 28 | Part-Based Recognition of Handwritten Characters <b>2010</b> ,   |     | 14 |
| 27 | Analysis of Local Features for Handwritten Character Recognition <b>2010</b> ,   |     | 2  |
| 26 | Tracking and Retrieval of Pen Tip Positions for an Intelligent Camera Pen <b>2010</b> ,  |     | 2  |
| 25 | Grammatical Verification for Mathematical Formula Recognition Based on Context-Free Tree Grammar. <i>Mathematics in Computer Science</i> , <b>2010</b> , 3, 279-298                          | 0.5 | 1  |
| 24 | How to Design Kansei Retrieval Systems?. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 405-416  | 0.9 |    |
| 23 | Conspicuous Character Patterns <b>2009</b> ,   |     | 2  |
| 22 | Syntactic Detection and Correction of Misrecognitions in Mathematical OCR <b>2009</b> ,  |     | 3  |
| 21 | Capturing Digital Ink as Retrieving Fragments of Document Images <b>2009</b> ,   |     | 3  |
| 20 | Statistical Classification of Spatial Relationships among Mathematical Symbols <b>2009</b> ,   |     | 8  |
| 19 | Layout-free dewarping of planar document images <b>2009</b> ,  |     | 3  |
| 18 | Automatic Classification of Spatial Relationships among Mathematical Symbols Using Geometric Features. <i>IEICE Transactions on Information and Systems</i> , <b>2009</b> , E92-D, 2235-2243 | 0.6 | 1  |
| 17 | Visual Tracking of an Object with its Motion Information. <i>IEEJ Transactions on Electronics, Information and Systems</i> , <b>2009</b> , 129, 977-984                                      | 0.1 |    |
| 16 | Fast 3D reconstruction of human shape and motion tracking by parallel fast level set method <b>2008</b> ,  |     | 4  |
| 15 | Affine Invariant Recognition of Characters by Progressive Pruning <b>2008</b> ,  |     | 4  |
| 14 | Skew Estimation by Instances <b>2008</b> ,   |     | 5  |
| 13 | Verification of Mathematical Formulae Based on a Combination of Context-Free Grammar and Tree Grammar. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 415-429                      | 0.9 | 9  |
| 12 | Early recognition of sequential patterns by classifier combination <b>2008</b> ,   |     | 10 |
| 11 | A Large-Scale Analysis of Mathematical Expressions for an Accurate Understanding of Their Structure <b>2008</b> ,  |     | 1  |

|    |   |     |    |
|----|---|-----|----|
| 10 | Identifying Subscripts and Superscripts in Mathematical Documents. <i>Mathematics in Computer Science</i> , <b>2008</b> , 2, 195-209                                  | 0.5 | 6  |
| 9  | Mosaicing-by-recognition for video-based text recognition. <i>Pattern Recognition</i> , <b>2008</b> , 41, 1230-1240   | 7.7 | 5  |
| 8  | Mathematical symbol recognition with support vector machines. <i>Pattern Recognition Letters</i> , <b>2008</b> , 29, 1326-1332  | 4.7 | 37 |
| 7  | Elastic Matching Techniques for Handwritten Character Recognition <b>2008</b> , 17-38   |     |    |
| 6  | Early Recognition and Prediction of Gestures for Embodied Proactive Human Interface. <i>Journal of the Robotics Society of Japan</i> , <b>2006</b> , 24, 954-963      | 0.1 | 0  |
| 5  | Structural Analysis of Mathematical Formulae with Verification Based on Formula Description Grammar. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 153-163 | 0.9 | 6  |
| 4  | Category-dependent elastic matching based on a linear combination of eigen-deformations. <i>Systems and Computers in Japan</i> , <b>2005</b> , 36, 13-22              |     |    |
| 3  | Eigen-deformations for elastic matching based handwritten character recognition. <i>Pattern Recognition</i> , <b>2003</b> , 36, 2031-2040                             | 7.7 | 19 |
| 2  | INFTY <b>2003</b> ,   |     | 66 |
| 1  | Piecewise linear two-dimensional warping. <i>Systems and Computers in Japan</i> , <b>2001</b> , 32, 1-9   |     | 6  |