

# Masaki Nakagawa

## List of Publications by Year in Descending Order

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

42  
papers

429  
citations

11  
h-index

20  
g-index

42  
ext. papers

551  
ext. citations

3.2  
avg, IF

4.08  
L-index

#	Paper	IF	Citations
42	A Self-attention Based Model for Offline Handwritten Text Recognition. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 356-369	0.9	
41	Learning Symbol Relation Tree for Online Handwritten Mathematical Expression Recognition. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 307-321	0.9	0
40	A-VLAD: An End-to-End Attention-Based Neural Network for Writer Identification in Historical Documents. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 396-409	0.9	1
39	2D Self-attention Convolutional Recurrent Network for Offline Handwritten Text Recognition. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 191-204	0.9	2
38	Spatiotemporal model for FRET networks with multiple donors and acceptors: multicomponent exponential decay derived from the master equation. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2021</b> , 38, 294	1.7	0
37	Relation-Based Representation for Handwritten Mathematical Expression Recognition. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 7-19	0.9	3
36	A Transformer-Based Math Language Model for Handwritten Math Expression Recognition. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 403-415	0.9	
35	Temporal Classification Constraint for Improving Handwritten Mathematical Expression Recognition. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 113-125	0.9	0
34	Recurrent Neural Network Transducer for Japanese and Chinese Offline Handwritten Text Recognition. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 364-376	0.9	2
33	Global Context for Improving Recognition of Online Handwritten Mathematical Expressions. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 617-631	0.9	1
32	GSSF: A Generative Sequence Similarity Function Based on a Seq2Seq Model for Clustering Online Handwritten Mathematical Answers. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 145-159	0.9	
31	Nom document digitalization by deep convolution neural networks. <i>Pattern Recognition Letters</i> , <b>2020</b> , 133, 8-16	4.7	9
30	An attention-based row-column encoder-decoder model for text recognition in Japanese historical documents. <i>Pattern Recognition Letters</i> , <b>2020</b> , 136, 134-141	4.7	10
29	Hand-Drawn Object Detection for Scoring Wartegg Zeichen Test. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 109-114	0.9	1
28	Evaluation of Secure Pad Resilient to Shoulder Hacking. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 561-574	0.9	
27	CNN based spatial classification features for clustering offline handwritten mathematical expressions. <i>Pattern Recognition Letters</i> , <b>2020</b> , 131, 113-120	4.7	12
26	Locking Range Maximization in Injection-Locked Class-E Oscillator: A Case Study for Optimizing Synchronizability. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2020</b> , 67, 1762-1774	3.9	3

25	PHI-C: deciphering Hi-C data into polymer dynamics. <i>NAR Genomics and Bioinformatics</i> , <b>2020</b> , 2, lqaa020	3.7	11
24	Pattern generation strategies for improving recognition of Handwritten Mathematical Expressions. <i>Pattern Recognition Letters</i> , <b>2019</b> , 128, 255-262	4.7	23
23	Text-independent writer identification using convolutional neural network. <i>Pattern Recognition Letters</i> , <b>2019</b> , 121, 104-112	4.7	28
22	A Direct Link between Rényi-Tsallis Entropy and Hölder's Inequality-Yet Another Proof of Rényi-Tsallis Entropy Maximization. <i>Entropy</i> , <b>2019</b> , 21,	2.8	4
21	Robust and real-time stroke order evaluation using incremental stroke context for learners to write Kanji characters correctly. <i>Pattern Recognition Letters</i> , <b>2019</b> , 121, 140-149	4.7	2
20	Personal digital bodyguards for e-security, e-learning and e-health: A prospective survey. <i>Pattern Recognition</i> , <b>2018</b> , 81, 633-659	7.7	24
19	A database of unconstrained Vietnamese online handwriting and recognition experiments by recurrent neural networks. <i>Pattern Recognition</i> , <b>2018</b> , 78, 291-306	7.7	20
18	An Analytical Framework for Studying Small-Number Effects in Catalytic Reaction Networks: A Probability Generating Function Approach to Chemical Master Equations. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 89	4.6	3
17	New Mechanisms Leading to the Intermittency in Shilnikov Chaos: Randomization Theory of the Infinite-Modal Maps. <i>Journal of the Physical Society of Japan</i> , <b>2015</b> , 84, 034004	1.5	
16	Generalized Lyapunov exponent as a unified characterization of dynamical instabilities. <i>Physical Review E</i> , <b>2015</b> , 91, 012926	2.4	5
15	Building a compact online MRF recognizer for large character set by structured dictionary representation and vector quantization technique. <i>Pattern Recognition</i> , <b>2014</b> , 47, 982-993	7.7	7
14	Training of an on-line handwritten Japanese character recognizer by artificial patterns. <i>Pattern Recognition Letters</i> , <b>2014</b> , 35, 178-185	4.7	11
13	A robust method for coarse classifier construction from a large number of basic recognizers for on-line handwritten Chinese/Japanese character recognition. <i>Pattern Recognition</i> , <b>2014</b> , 47, 685-693	7.7	5
12	Building compact recognizer with recognition rate maintained for on-line handwritten Japanese text recognition. <i>Pattern Recognition Letters</i> , <b>2014</b> , 35, 169-177	4.7	7
11	Observed Measures and Fluctuations in Dissipative Infinite Ergodic Systems: Randomization Theory for the Infinite-Modal Maps with Ant-Lion Property. <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 104004	1.5	3
10	Handwritten Chinese/Japanese text recognition using semi-Markov conditional random fields. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2013</b> , 35, 2413-26	13.3	44
9	Development of a Robust and Compact On-Line Handwritten Japanese Text Recognizer for Hand-Held Devices. <i>IEICE Transactions on Information and Systems</i> , <b>2013</b> , E96.D, 927-938	0.6	7
8	Digital Ink Search Based on Character-Recognition Candidates Compared with Feature-Matching-Based Approach. <i>IEICE Transactions on Information and Systems</i> , <b>2013</b> , E96.D, 681-689	0.6	2

7	Online Handwritten Lao Character Recognition by MRF. <i>IEICE Transactions on Information and Systems</i> , <b>2012</b> , E95.D, 1603-1609	0.6	
6	A robust model for on-line handwritten japanese text recognition. <i>International Journal on Document Analysis and Recognition</i> , <b>2010</b> , 13, 121-131	3.8	46
5	Prototype learning for structured pattern representation applied to on-line recognition of handwritten Japanese characters. <i>International Journal on Document Analysis and Recognition</i> , <b>2007</b> , 10, 101-112	3.8	4
4	SEPARATING FIGURES, MATHEMATICAL FORMULAS AND JAPANESE TEXT FROM FREE HANDWRITING IN MIXED ONLINE DOCUMENTS. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , <b>2004</b> , 18, 1173-1187	1.1	11
3	Evaluation of prototype learning algorithms for nearest-neighbor classifier in application to handwritten character recognition. <i>Pattern Recognition</i> , <b>2001</b> , 34, 601-615	7.7	111
2	A recognition based on a dynamic model. <i>Pattern Recognition</i> , <b>1998</b> , 31, 193-203	7.7	4
1	PHI-C: deciphering Hi-C data into polymer dynamics		3