

# Kaoru Hirota

## List of Publications by Year in descending order

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59  
papers

1,262  
citations

623734

14  
h-index

377865

34  
g-index

60  
all docs

60  
docs citations

60  
times ranked

449  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward implementing efficient image processing algorithms on quantum computers. <i>Soft Computing</i> , 2023, 27, 13115-13127.	3.6	9
2	Framework for identifying and visualising emotional atmosphere in online learning environments in the COVID-19 Era. <i>Applied Intelligence</i> , 2022, 52, 9406-9422.	5.3	4
3	An information propagation model for social networks based on continuous-time quantum walk. <i>Neural Computing and Applications</i> , 2022, 34, 13455-13468.	5.6	3
4	Emotion space modelling for social robots. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 100, 104178.	8.1	32
5	Conceptual Framework for Quantum Affective Computing and Its Use in Fusion of Multi-Robot Emotions. <i>Electronics (Switzerland)</i> , 2021, 10, 100.	3.1	5
6	Circuit-Based Modular Implementation of Quantum Ghost Imaging. <i>IEEE Access</i> , 2020, 8, 23054-23068.	4.2	7
7	Strategy for quantum image stabilization. <i>Science China Information Sciences</i> , 2016, 59, 1.	4.3	13
8	Fuzzy feature representation for white blood cell differential counting in acute leukemia diagnosis. <i>International Journal of Control, Automation and Systems</i> , 2015, 13, 742-752.	2.7	20
9	Emotion-Age-Gender-Nationality Based Intention Understanding in Human-Robot Interaction Using Two-Layer Fuzzy Support Vector Regression. <i>International Journal of Social Robotics</i> , 2015, 7, 709-729.	4.6	26
10	A duple watermarking strategy for multi-channel quantum images. <i>Quantum Information Processing</i> , 2015, 14, 1675-1692.	2.2	49
11	Deep Level Emotion Understanding Using Customized Knowledge for Human-Robot Communication. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , 2015, 19, 91-99.	0.9	4
12	Bloch Sphere-Based Representation for Quantum Emotion Space. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , 2015, 19, 134-142.	0.9	10
13	Multi-robot behavior adaptation to local and global communication atmosphere in humans-robots interaction. <i>Journal on Multimodal User Interfaces</i> , 2014, 8, 289-303.	2.9	14
14	A cooperative driving control protocol for cooperation intelligent autonomous vehicle using VANET technology. , 2014, , .		5
15	Distance education system with visualized atmosphere information based on fuzzy inference. , 2014, , .		0
16	Application of fuzzy inference engine as an automatic switch between ensembles of clustering methods. , 2014, , .		4
17	Visualization method of emotion information for long distance interaction. , 2014, , .		2
18	Soft-computing-based emotional expression mechanism for game of computer Go. <i>Soft Computing</i> , 2013, 17, 1263-1282.	3.6	15

#	ARTICLE	IF	CITATIONS
19	Interpolative reasoning approach to sparse general type-2 fuzzy rules based on the reduced grid representation. , 2013, , .		0
20	Dental classification for periapical radiograph based on multiple fuzzy attribute. , 2013, , .		14
21	A visualization method of Kansei texture. , 2013, , .		0
22	Concept of Fuzzy Atmosfield for Representing Communication Atmosphere and its Application to Humans-Robots Interaction. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2013, 17, 3-17.	0.9	23
23	Assessing the similarity of quantum images based on probability measurements. , 2012, , .		14
24	Fuzzy Road Situation Model Optimization Routing (FRSMOR) in Vehicular Ad-hoc Network (VANET). , 2012, , .		1
25	Watermarking and authentication of quantum images based on restricted geometric transformations. Information Sciences, 2012, 186, 126-149.	6.9	189
26	Casual communication between robots and humans using fuzzy interruption technology on internet. , 2011, , .		2
27	Emotional states based 3-D Fuzzy Atmosfield for casual communication between humans and robots. , 2011, , .		9
28	A solution for delivery problem based on HIMS model and service science. , 2011, , .		0
29	A Multi-Channel Representation for images on quantum computers using the RGB&#x03B1; color space. , 2011, , .		66
30	A flexible representation of quantum images for polynomial preparation, image compression, and processing operations. Quantum Information Processing, 2011, 10, 63-84.	2.2	515
31	A FRAMEWORK FOR REPRESENTING AND PRODUCING MOVIES ON QUANTUM COMPUTERS. International Journal of Quantum Information, 2011, 09, 1459-1497.	1.1	70
32	Families of t-norm based Histogram Intersections for Content-Based Image Retrieval. Transactions of Japan Society of Kansei Engineering, 2010, 10, 11-21.	0.1	0
33	Two channel digital watermarking for music based on exponential time-spread echo kernel. Signal, Image and Video Processing, 2009, 3, 115-126.	2.7	2
34	Fuzzy Algorithm for Group Decision Making With Participants Having Finite Discriminating Abilities. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 86-95.	2.9	15
35	Computational intelligence approach to real-world cooperative vehicle dispatching problem. International Journal of Intelligent Systems, 2008, 23, 619-634.	5.7	4
36	Structural expansion of fuzzy relations and its role in interactive system modeling. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	0

#	ARTICLE	IF	CITATIONS
37	Searching for structure in data with fuzzy clusters of variable dimensionality of feature subspaces. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	0
38	Fuzzy Inference based Mentality Expression for Eye Robot in Affinity Pleasure-Arousal Space. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2008, 12, 304-313.	0.9	25
39	Torus Figure Generating System Based on Graph Theoretical Representation and Topological Analysis. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2008, 20, 625-638.	0.0	0
40	Computational Intelligence Based Intelligence Control for Stepping Motors and a Mobile Robot is "Mascot Robot" Project. , 2007, , .		0
41	A Fuzzy Model of Interval speed Continuous Petri Nets. , 2007, , .		2
42	Image Compression and Reconstruction Using pi t -Sigma Neural Networks. Soft Computing, 2007, 11, 53-61.	3.6	3
43	Variants of evolutionary learning for interactive image retrieval. Soft Computing, 2007, 11, 669-678.	3.6	8
44	Unknown odor recognition using Euclidean Fuzzy similarity-based Self-Organized Network inspired by Immune Algorithm. Neural Computing and Applications, 2007, 17, 27-37.	5.6	2
45	Conservative Betting on Sport Games with Intuitionistic Fuzzy Described Uncertainty. , 2006, , .		3
46	The Dyadic Curvelet Transform for Multiscale Topological Complex Networks. , 2006, , .		0
47	Instance-based location estimation algorithm for a pedestrian in multiple color dynamic images. , 2006, , .		0
48	MATHEMATICAL PROPERTIES OF VARIOUS FUZZY FLIP-FLOPS AS A BASIS OF FUZZY MEMORY MODULES. Advances in Fuzzy Systems, 2004, , 161-178.	8.7	1
49	A Solution for the N-bit Parity Problem Using a Single Translated Multiplicative Neuron. Neural Processing Letters, 2003, 18, 233-238.	3.2	28
50	Instance-Based Color Restoration Algorithm for Still/Dynamic Images taken under Low Illumination. Journal of Japan Society for Fuzzy Theory and Systems, 2002, 14, 320-328.	0.0	1
51	Design of a Modified T-S Fuzzy Model by Adding Compensation-Rules. Journal of Japan Society for Fuzzy Theory and Systems, 2001, 13, 322-333.	0.0	1
52	Concept of Pseudo-afterimage and its Application to Moving Objects Detection. Journal of Japan Society for Fuzzy Theory and Systems, 2000, 12, 417-424.	0.0	0
53	Concepts of D, T, SR Fuzzy Flip Flop and Their Circuit Design Using FPGA. Journal of Japan Society for Fuzzy Theory and Systems, 2000, 12, 160-168.	0.0	0
54	A fuzzy theoretical approach to case-based representation and inference in CISG. Artificial Intelligence and Law, 1999, 7, 259-272.	4.0	6

#	ARTICLE	IF	CITATIONS
55	Parameters Setting Method for Dynamic Importance Degrees in SIRMs Dynamically Connected Fuzzy Inference Model Applied to First-order Delay Plants. Journal of Japan Society for Fuzzy Theory and Systems, 1998, 10, 1175-1181.	0.0	0
56	SIRMs Dynamically Connected Fuzzy Inference Model Using Dynamic Importance Degrees. Journal of Japan Society for Fuzzy Theory and Systems, 1998, 10, 522-531.	0.0	11
57	A Proposal of SIRMs (Single Input Rule Modules) Connected Fuzzy Inference Model for Plural Input Fuzzy Control. Journal of Japan Society for Fuzzy Theory and Systems, 1997, 9, 699-709.	0.0	16
58	Nonmonotonic fuzzy set operations: A generalization and some applications. International Journal of Intelligent Systems, 1997, 12, 483-493.	5.7	5
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