

# Hans Werner Guesgen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6300539/publications.pdf>

Version: 2024-02-01

71  
papers

636  
citations

858243

12  
h-index

759306

22  
g-index

75  
all docs

75  
docs citations

75  
times ranked

601  
citing authors

#	ARTICLE	IF	CITATIONS
1	New and Emerging Issues for Technologies to Support Older Adults to Age in Place. , 2022, , 644-657.		0
2	A Comprehensive Review on Critical Issues and Possible Solutions of Motor Imagery Based Electroencephalography Brain-Computer Interface. Sensors, 2021, 21, 2173.	2.1	69
3	New and Emerging Issues for Technologies to Support Older Adults to Age in Place. International Journal of Applied Research on Public Health Management, 2021, 6, 1-13.	0.1	0
4	Cascaded Segmented Matting Network for Human Matting. IEEE Access, 2021, , 1-1.	2.6	2
5	Predicting Activities of Daily Living with Spatio-Temporal Information. Future Internet, 2020, 12, 214.	2.4	3
6	Using Rough Sets to Improve Activity Recognition Based on Sensor Data. Sensors, 2020, 20, 1779.	2.1	8
7	Issues Associated With the Management and Governance of Sensor Data and Information to Assist Aging in Place: Focus Group Study With Health Care Professionals. JMIR MHealth and UHealth, 2020, 8, e24157.	1.8	8
8	Motor Imagery Classification Based on Subject to Subject Transfer in Riemannian Manifold. , 2019, , .		5
9	Small Sample Motor Imagery Classification Using Regularized Riemannian Features. IEEE Access, 2019, 7, 46858-46869.	2.6	27
10	Reduce Calibration Time in Motor Imagery Using Spatially Regularized Symmetric Positives-Definite Matrices Based Classification. Sensors, 2019, 19, 379.	2.1	35
11	Technology to Assist Aging in Place: The Perspective of Health Organizations. Studies in Health Technology and Informatics, 2019, 264, 1688-1689.	0.2	1
12	The role of grouping in sketched diagram recognition. , 2018, , .		1
13	User Requirements for Technology to Assist Aging in Place: Qualitative Study of Older People and Their Informal Support Networks. JMIR MHealth and UHealth, 2018, 6, e10741.	1.8	31
14	A Secure Server-Based Pseudorandom Number Generator Protocol for Mobile Devices. Lecture Notes in Computer Science, 2017, , 860-876.	1.0	0
15	Architectural Review of Co-Adaptive Brain Computer Interface. , 2017, , .		6
16	Using Contextual Information for Recognising Human Behaviour. International Journal of Ambient Computing and Intelligence, 2016, 7, 27-44.	0.8	22
17	A supervised learning approach for behaviour recognition in smart homes. Journal of Ambient Intelligence and Smart Environments, 2016, 8, 259-271.	0.8	7
18	Predicting user preferences of environment design: a perceptual mechanism of user interface customisation. Behaviour and Information Technology, 2016, 35, 644-653.	2.5	18

#	ARTICLE	IF	CITATIONS
19	Towards a Theory of Space for Activity Recognition in Smart Environments Based on Rough Sets. , 2015, , .		1
20	Spatial Health Systems. Lecture Notes in Computer Science, 2015, , 41-69.	1.0	2
21	A Fuzzy Set Approach to Expressing Preferences in Spatial Reasoning. Lecture Notes in Computer Science, 2015, , 173-185.	1.0	0
22	Human Behaviour Recognition in Ambient Intelligent Environments. Advances in Computational Intelligence and Robotics Book Series, 2015, , 107-121.	0.4	0
23	The AAAI-13 Conference Workshops. AI Magazine, 2014, 34, 108-115.	1.4	0
24	From Object Recognition to Activity Interpretation and Back, Based on Point Cloud Data. KI - Kunstliche Intelligenz, 2013, 27, 161-167.	2.2	1
25	Computational Analysis of Emotion Dynamics. , 2013, , .		12
26	Statistical Modelling of Complex Emotions Using Mixture of Von Mises Distributions. , 2013, , .		5
27	Introduction to the thematic issue. Journal of Ambient Intelligence and Smart Environments, 2013, 5, 423-424.	0.8	0
28	Towards Behaviour Recognition with Unlabelled Sensor Data. , 2013, , 86-110.		0
29	Solving the traveling tournament problem with iterative-deepening Aâ™—. Journal of Scheduling, 2012, 15, 601-614.	1.3	13
30	A robust joint face model for human emotion recognition. , 2012, , .		5
31	Methodologies for Qualitative Spatial and Temporal Reasoning Application Design. Advances in Geospatial Technologies Book Series, 2012, , 168-202.	0.1	3
32	Context Awareness for a Smart Environment Utilizing Context Maps and Dempster-Shafer Theory. Lecture Notes in Computer Science, 2012, , 270-273.	1.0	1
33	An empirical study into component system evolution. , 2011, , .		0
34	Exploring the responsibilities of single-inhabitant Smart Homes with Use Cases. Journal of Ambient Intelligence and Smart Environments, 2010, 2, 211-232.	0.8	16
35	Spatio-Temporal Footprints. International Journal of Ambient Computing and Intelligence, 2010, 2, 52-58.	0.8	1
36	Report on the 22nd International FLAIRS Conference. AI Magazine, 2010, 30, 111.	1.4	0

#	ARTICLE	IF	CITATIONS
37	Report on the Twenty-Third International Florida Artificial Intelligence Research Society Conference (FLAIRS-23). AI Magazine, 2010, 31, 125.	1.4	1
38	Spatio-Temporal Reasoning and Context Awareness. , 2010, , 609-634.		17
39	A Formal Framework to Optimise Component Dependency Resolution. , 2010, , .		1
40	Use Cases for Abnormal Behaviour Detection in Smart Homes. Lecture Notes in Computer Science, 2010, , 144-151.	1.0	16
41	The Impact of Qualification on the Application of Qualitative Spatial and Temporal Reasoning Calculi. Lecture Notes in Computer Science, 2010, , 62-71.	1.0	0
42	An Empirical Study of the Component Dependency Resolution Search Space. Lecture Notes in Computer Science, 2010, , 182-199.	1.0	8
43	AAAI 2008 Workshop Reports. AI Magazine, 2009, 30, 108.	1.4	0
44	An ant colony optimization approach to the traveling tournament problem. , 2009, , .		12
45	Behaviour Recognition from Sensory Streams in Smart Environments. Lecture Notes in Computer Science, 2009, , 666-675.	1.0	13
46	Ant Colony Optimization and the Single Round Robin Maximum Value Problem. Lecture Notes in Computer Science, 2008, , 243-250.	1.0	4
47	A uniform framework for orientation relations based on distance comparison. , 2008, , .		1
48	Spatial and Temporal Reasoning. Spatial Cognition and Computation, 2008, 8, 1-3.	0.6	4
49	A System for Querying With Qualitative Distances in Networks. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	3
50	Spatiotemporal Reasoning for Smart Homes. Lecture Notes in Computer Science, 2006, , 16-34.	1.0	41
51	Computer-human interaction issues when integrating qualitative spatial reasoning into geographic information systems. , 2006, , .		6
52	Utilization of Qualitative Spatial Reasoning in Geographic Information Systems. , 2006, , 27-42.		6
53	Fuzzy Reasoning about Geographic Regions. , 2005, , 1-14.		11
54	Buffering Fuzzy Maps in GIS. Spatial Cognition and Computation, 2003, 3, 207-222.	0.6	3

#	ARTICLE	IF	CITATIONS
55	Reasoning About Distance Based on Fuzzy Sets. Applied Intelligence, 2002, 17, 265-270.	3.3	24
56	An Evaluation of Buffering Algorithms in Fuzzy GISs. Lecture Notes in Computer Science, 2002, , 80-92.	1.0	2
57	Imprecise reasoning in geographic information systems. Fuzzy Sets and Systems, 2000, 113, 121-131.	1.6	95
58	A New Dose Model for Assessment of Health Risk Due to Contaminants in Air. Journal of the Air and Waste Management Association, 2000, 50, 3-20.	0.9	3
59	DermatExpert: Dermatological Diagnosis through the Internet. Lecture Notes in Computer Science, 2000, , 204-209.	1.0	0
60	Reasoning with words about geographic information. Lecture Notes in Computer Science, 1999, , 133-148.	1.0	0
61	A Multiple-Platform Decentralized Route Finding System. Lecture Notes in Computer Science, 1999, , 707-713.	1.0	4
62	Introduction to the Special Issue of CONSTRAINTS on Spatial and Temporal Reasoning. Constraints, 1998, 3, 127-128.	0.4	2
63	Towards hybrid spatial reasoning. Lecture Notes in Computer Science, 1997, , 197-206.	1.0	1
64	Space, time, and computation: Trends and problems. Applied Intelligence, 1996, 6, 5-9.	3.3	6
65	Spatial persistence. Applied Intelligence, 1996, 6, 11-28.	3.3	3
66	CONSAT: A parallel constraint satisfaction system. Higher-Order and Symbolic Computation, 1994, 7, 195-210.	1.2	1
67	A constraint-based approach to spatiotemporal reasoning. Applied Intelligence, 1993, 3, 71-90.	3.3	13
68	A tagging method for parallel constraint satisfaction. Journal of Parallel and Distributed Computing, 1992, 16, 72-75.	2.7	3
69	Towards a compiler for a constraint language. , 1989, , .		0
70	Recognising Human Behaviour in a Spatio-Temporal Context. Advances in Computational Intelligence and Robotics Book Series, 0, , 443-459.	0.4	1
71	Computational representation and analysis of emotion dynamics. Multimedia Tools and Applications, 0, , 1.	2.6	0