

Waldemar W Koczkodaj

List of Publications by Year in descending order

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59
papers

1,072
citations

394421

19
h-index

414414

32
g-index

59
all docs

59
docs citations

59
times ranked

477
citing authors

#	ARTICLE	IF	CITATIONS
1	A new definition of consistency of pairwise comparisons. <i>Mathematical and Computer Modelling</i> , 1993, 18, 79-84.	2.0	189
2	A Monte Carlo study of pairwise comparison. <i>Information Processing Letters</i> , 1996, 57, 25-29.	0.6	95
3	Generalization of a new definition of consistency for pairwise comparisons. <i>Information Processing Letters</i> , 1994, 52, 273-276.	0.6	61
4	On Axiomatization of Inconsistency Indicators for Pairwise Comparisons. <i>Fundamenta Informaticae</i> , 2014, 132, 485-500.	0.4	52
5	On distance-based inconsistency reduction algorithms for pairwise comparisons. <i>Logic Journal of the IGPL</i> , 2010, 18, 859-869.	1.5	49
6	Axiomatization of inconsistency indicators for pairwise comparisons. <i>International Journal of Approximate Reasoning</i> , 2018, 94, 18-29.	3.3	45
7	Computing a consistent approximation to a generalized pairwise comparisons matrix. <i>Computers and Mathematics With Applications</i> , 1999, 37, 79-85.	2.7	35
8	Important Facts and Observations about Pairwise Comparisons (the special issue edition). <i>Fundamenta Informaticae</i> , 2016, 144, 291-307.	0.4	35
9	An LP-based inconsistency monitoring of pairwise comparison matrices. <i>Mathematical and Computer Modelling</i> , 2011, 54, 789-793.	2.0	33
10	1,000,000 cases of COVID-19 outside of China: The date predicted by a simple heuristic. <i>Global Epidemiology</i> , 2020, 2, 100023.	1.5	32
11	Pairwise comparisons simplified. <i>Applied Mathematics and Computation</i> , 2015, 253, 387-394.	2.2	31
12	On normalization of inconsistency indicators in pairwise comparisons. <i>International Journal of Approximate Reasoning</i> , 2017, 86, 73-79.	3.3	30
13	On the quality evaluation of scientific entities in Poland supported by consistency-driven pairwise comparisons method. <i>Scientometrics</i> , 2014, 99, 911-926.	3.0	29
14	Testing the accuracy enhancement of pairwise comparisons by a Monte Carlo experiment. <i>Journal of Statistical Planning and Inference</i> , 1998, 69, 21-31.	0.6	26
15	Inconsistency indicator maps on groups for pairwise comparisons. <i>International Journal of Approximate Reasoning</i> , 2016, 69, 81-90.	3.3	26
16	Statistically Accurate Evidence of Improved Error Rate by Pairwise Comparisons. <i>Perceptual and Motor Skills</i> , 1996, 82, 43-48.	1.3	25
17	Convergence of inconsistency algorithms for the pairwise comparisons. <i>Information Processing Letters</i> , 1996, 59, 197-202.	0.6	24
18	Electronic Health Record Breaches as Social Indicators. <i>Social Indicators Research</i> , 2019, 141, 861-871.	2.7	22

#	ARTICLE	IF	CITATIONS
19	An orthogonal basis for computing a consistent approximation to a pairwise comparisons matrix. Computers and Mathematics With Applications, 1997, 34, 41-47.	2.7	21
20	A weak order approach to group ranking. Computers and Mathematics With Applications, 1996, 32, 51-59.	2.7	19
21	How to reduce the number of rating scale items without predictability loss?. Scientometrics, 2017, 111, 581-593.	3.0	19
22	Myths about rough set theory. Communications of the ACM, 1998, 41, 102-103.	4.5	18
23	The limit of inconsistency reduction in pairwise comparisons. International Journal of Applied Mathematics and Computer Science, 2016, 26, 721-729.	1.5	17
24	Improving the medical scale predictability by the pairwise comparisons method: Evidence from a clinical data study. Computer Methods and Programs in Biomedicine, 2012, 105, 210-216.	4.7	15
25	A Different Perspective on a Scale for Pairwise Comparisons. Lecture Notes in Computer Science, 2010, , 71-84.	1.3	12
26	Using consistency-driven pairwise comparisons in knowledge-based systems. , 1997, , .		10
27	A weak order solution to a group ranking and consistency-driven pairwise comparisons. Applied Mathematics and Computation, 1998, 94, 227-241.	2.2	10
28	Fast Convergence of Distance-based Inconsistency in Pairwise Comparisons. Fundamenta Informaticae, 2015, 137, 355-367.	0.4	10
29	Inconsistency of special cases of pairwise comparisons matrices. International Journal of Approximate Reasoning, 2018, 95, 36-45.	3.3	10
30	Pairwise Comparisons and Visual Perceptions of Equal Area Polygons. Perceptual and Motor Skills, 2009, 108, 37-42.	1.3	9
31	A simplified implementation of the least squares solution for pairwise comparisons matrices. Central European Journal of Operations Research, 2011, 19, 439-444.	1.8	8
32	On some convexity properties of the Least Squares Method for pairwise comparisons matrices without the reciprocity condition. Journal of Global Optimization, 2012, 54, 689-706.	1.8	7
33	A note on relevance of diagnostic classification and rating scales used in psychiatry. Computer Methods and Programs in Biomedicine, 2013, 112, 16-21.	4.7	7
34	On Orthogonal Projections on the Space of Consistent Pairwise Comparisons Matrices. Fundamenta Informaticae, 2020, 172, 379-397.	0.4	7
35	Approximate reasoning by pairwise comparisons. Physics of Life Reviews, 2017, 21, 37-39.	2.8	6
36	On the use of group theory to generalize elements of pairwise comparisons matrix: A cautionary note. International Journal of Approximate Reasoning, 2020, 124, 59-65.	3.3	5

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37	Pairwise comparisons matrix decomposition into approximation and orthogonal component using Lie theory. <i>International Journal of Approximate Reasoning</i> , 2021, 139, 201-210.	3.3	5
38	RatingScaleReduction package: stepwise rating scale item reduction without predictability loss. <i>R Journal</i> , 2018, 10, 43.	1.8	5
39	Supplier Evaluation Process by Pairwise Comparisons. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-9.	1.1	4
40	Consistency-Driven Pairwise Comparisons Approach to Software Product Management and Quality Measurement. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 292-305.	0.6	2
41	Massive Health Record Breaches Evidenced by the Office for Civil Rights Data. <i>Iranian Journal of Public Health</i> , 0, , .	0.5	2
42	APL2 implementation of a new definition of consistency of pairwise comparisons. <i>APL Quote Quad</i> , 1994, 24, 37-40.	0.1	1
43	The theoretical model for the abandoned mines budget allocation. <i>Mathematical and Computer Modelling</i> , 1994, 19, 1-6.	2.0	1
44	Assessing the properties of the World Health Organization's Quality of Life Index. <i>Proceedings of the International Multiconference on Computer Science and Information Technology</i> , 2008, , .	0.0	1
45	Open Government issues and opportunity: a case study based on a medium-sized city in Poland. , 2020, , .		1
46	Massive Health Record Breaches Evidenced by the Office for Civil Rights Data. <i>Iranian Journal of Public Health</i> , 2019, 48, 278-288.	0.5	1
47	A spreadsheet approach to principal components analysis. <i>Journal of Microcomputer Applications</i> , 1989, 12, 281-291.	0.1	0
48	GUEST EDITOR'S INTRODUCTION: INDUCTION ALGORITHMS. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 1991, 01, 409-411.	0.8	0
49	A self-modifiable approach to scheduling and mapping algorithms in multiprocessor systems. <i>International Journal of Computer Mathematics</i> , 1996, 59, 131-150.	1.8	0
50	No Sex Difference in Area Estimation. <i>Perceptual and Motor Skills</i> , 2009, 109, 168-168.	1.3	0
51	Use of Pairwise Comparison Method in Road-and-Bridge Tenders. <i>MATEC Web of Conferences</i> , 2018, 196, 04089.	0.2	0
52	Optimizing predictability of rating scales by differential evolution for the use by collective intelligent information and database systems. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 37, 7545-7553.	1.4	0
53	Generating placated random shapes for an area estimation study. <i>Journal of Applied Mathematics and Computational Mechanics</i> , 2013, 12, 5-13.	0.7	0
54	Principal Components and the Accuracy of Machine Learning. , 1992, , 421-426.		0

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55	A Mathematical Model for Treatment Selection Literature. Springer Proceedings in Mathematics and Statistics, 2015, , 199-204.	0.2	0
56	Monte Carlo Study of the Random Image Area Estimation by Pairwise Comparisons. Springer Proceedings in Mathematics and Statistics, 2015, , 271-276.	0.2	0
57	Developing Coalitions by Pairwise Comparisons: a Preliminary Study. , 0, , .		0
58	A Conception of Pairwise Comparisons Model for Selection of Appropriate Body Surface Area Calculation Formula. , 0, , .		0
59	Attacking the Web Cancer with the Automatic Understanding Approach. , 2007, , 136-141.		0