

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	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
2	Open Government issues and opportunity: a case study based on a medium-sized city in Poland. , 2020, , .		1
3	On Orthogonal Projections on the Space of Consistent Pairwise Comparisons Matrices. <i>Fundamenta Informaticae</i> , 2020, 172, 379-397.	0.4	7
4	On the use of group theory to generalize elements of pairwise comparisons matrix: A cautionary note. <i>International Journal of Approximate Reasoning</i> , 2020, 124, 59-65.	3.3	5
5	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
6	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
7	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
8	Electronic Health Record Breaches as Social Indicators. <i>Social Indicators Research</i> , 2019, 141, 861-871.	2.7	22
9	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
10	Inconsistency of special cases of pairwise comparisons matrices. <i>International Journal of Approximate Reasoning</i> , 2018, 95, 36-45.	3.3	10
11	Axiomatization of inconsistency indicators for pairwise comparisons. <i>International Journal of Approximate Reasoning</i> , 2018, 94, 18-29.	3.3	45
12	Use of Pairwise Comparison Method in Road-and-Bridge Tenders. <i>MATEC Web of Conferences</i> , 2018, 196, 04089.	0.2	0
13	RatingScaleReduction package: stepwise rating scale item reduction without predictability loss. <i>R Journal</i> , 2018, 10, 43.	1.8	5
14	How to reduce the number of rating scale items without predictability loss?. <i>Scientometrics</i> , 2017, 111, 581-593.	3.0	19
15	On normalization of inconsistency indicators in pairwise comparisons. <i>International Journal of Approximate Reasoning</i> , 2017, 86, 73-79.	3.3	30
16	Approximate reasoning by pairwise comparisons. <i>Physics of Life Reviews</i> , 2017, 21, 37-39.	2.8	6
17	The limit of inconsistency reduction in pairwise comparisons. <i>International Journal of Applied Mathematics and Computer Science</i> , 2016, 26, 721-729.	1.5	17
18	Important Facts and Observations about Pairwise Comparisons (the special issue edition). <i>Fundamenta Informaticae</i> , 2016, 144, 291-307.	0.4	35

#	ARTICLE	IF	CITATIONS
19	Inconsistency indicator maps on groups for pairwise comparisons. <i>International Journal of Approximate Reasoning</i> , 2016, 69, 81-90.	3.3	26
20	Supplier Evaluation Process by Pairwise Comparisons. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-9.	1.1	4
21	Pairwise comparisons simplified. <i>Applied Mathematics and Computation</i> , 2015, 253, 387-394.	2.2	31
22	Fast Convergence of Distance-based Inconsistency in Pairwise Comparisons. <i>Fundamenta Informaticae</i> , 2015, 137, 355-367.	0.4	10
23	A Mathematical Model for Treatment Selection Literature. <i>Springer Proceedings in Mathematics and Statistics</i> , 2015, , 199-204.	0.2	0
24	Monte Carlo Study of the Random Image Area Estimation by Pairwise Comparisons. <i>Springer Proceedings in Mathematics and Statistics</i> , 2015, , 271-276.	0.2	0
25	On Axiomatization of Inconsistency Indicators for Pairwise Comparisons. <i>Fundamenta Informaticae</i> , 2014, 132, 485-500.	0.4	52
26	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
27	A note on relevance of diagnostic classification and rating scales used in psychiatry. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 112, 16-21.	4.7	7
28	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
29	On some convexity properties of the Least Squares Method for pairwise comparisons matrices without the reciprocity condition. <i>Journal of Global Optimization</i> , 2012, 54, 689-706.	1.8	7
30	Improving the medical scale predictability by the pairwise comparisons method: Evidence from a clinical data study. <i>Computer Methods and Programs in Biomedicine</i> , 2012, 105, 210-216.	4.7	15
31	A simplified implementation of the least squares solution for pairwise comparisons matrices. <i>Central European Journal of Operations Research</i> , 2011, 19, 439-444.	1.8	8
32	An LP-based inconsistency monitoring of pairwise comparison matrices. <i>Mathematical and Computer Modelling</i> , 2011, 54, 789-793.	2.0	33
33	On distance-based inconsistency reduction algorithms for pairwise comparisons. <i>Logic Journal of the IGPL</i> , 2010, 18, 859-869.	1.5	49
34	A Different Perspective on a Scale for Pairwise Comparisons. <i>Lecture Notes in Computer Science</i> , 2010, , 71-84.	1.3	12
35	Pairwise Comparisons and Visual Perceptions of Equal Area Polygons. <i>Perceptual and Motor Skills</i> , 2009, 108, 37-42.	1.3	9
36	No Sex Difference in Area Estimation. <i>Perceptual and Motor Skills</i> , 2009, 109, 168-168.	1.3	0

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37	Assessing the properties of the World Health Organization's Quality of Life Index. Proceedings of the International Multiconference on Computer Science and Information Technology, 2008, , .	0.0	1
38	Attacking the Web Cancer with the Automatic Understanding Approach. , 2007, , 136-141.		0
39	Computing a consistent approximation to a generalized pairwise comparisons matrix. Computers and Mathematics With Applications, 1999, 37, 79-85.	2.7	35
40	A weak order solution to a group ranking and consistency-driven pairwise comparisons. Applied Mathematics and Computation, 1998, 94, 227-241.	2.2	10
41	Testing the accuracy enhancement of pairwise comparisons by a Monte Carlo experiment. Journal of Statistical Planning and Inference, 1998, 69, 21-31.	0.6	26
42	Myths about rough set theory. Communications of the ACM, 1998, 41, 102-103.	4.5	18
43	Using consistency-driven pairwise comparisons in knowledge-based systems. , 1997, , .		10
44	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
45	Statistically Accurate Evidence of Improved Error Rate by Pairwise Comparisons. Perceptual and Motor Skills, 1996, 82, 43-48.	1.3	25
46	A Monte Carlo study of pairwise comparison. Information Processing Letters, 1996, 57, 25-29.	0.6	95
47	Convergence of inconsistency algorithms for the pairwise comparisons. Information Processing Letters, 1996, 59, 197-202.	0.6	24
48	A weak order approach to group ranking. Computers and Mathematics With Applications, 1996, 32, 51-59.	2.7	19
49	A self-modifiable approach to scheduling and mapping algorithms in multiprocessor systems. International Journal of Computer Mathematics, 1996, 59, 131-150.	1.8	0
50	APL2 implementation of a new definition of consistency of pairwise comparisons. APL Quote Quad, 1994, 24, 37-40.	0.1	1
51	Generalization of a new definition of consistency for pairwise comparisons. Information Processing Letters, 1994, 52, 273-276.	0.6	61
52	The theoretical model for the abandoned mines budget allocation. Mathematical and Computer Modelling, 1994, 19, 1-6.	2.0	1
53	A new definition of consistency of pairwise comparisons. Mathematical and Computer Modelling, 1993, 18, 79-84.	2.0	189
54	Principal Components and the Accuracy of Machine Learning. , 1992, , 421-426.		0

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55	GUEST EDITOR'S INTRODUCTION: INDUCTION ALGORITHMS. International Journal of Software Engineering and Knowledge Engineering, 1991, 01, 409-411.	0.8	0
56	A spreadsheet approach to principal components analysis. Journal of Microcomputer Applications, 1989, 12, 281-291.	0.1	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	Massive Health Record Breaches Evidenced by the Office for Civil Rights Data. Iranian Journal of Public Health, 0, , .	0.5	2