Peter Kokol

List of Publications by Year in descending order

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146 papers	2,159 citations	361296 20 h-index	289141 40 g-index
148 all docs	148 docs citations	148 times ranked	2160 citing authors

#	Article	IF	Citations
1	Decision trees: an overview and their use in medicine. Journal of Medical Systems, 2002, 26, 445-463.	2.2	474
2	Application of bibliometrics in medicine: a historical bibliometrics analysis. Health Information and Libraries Journal, 2021, 38, 125-138.	1.3	173
3	Attitudes of active older Internet users towards online social networking. Computers in Human Behavior, 2016, 55, 230-241.	5.1	81
4	Comprehensive Decision Tree Models in Bioinformatics. PLoS ONE, 2012, 7, e33812.	1.1	80
5	Machine learning on small size samples: A synthetic knowledge synthesis. Science Progress, 2022, 105, 003685042110297.	1.0	77
6	A bibliometric analysis of the Journal of Advanced Nursing, 1976â€“2015. Journal of Advanced Nursing, 2017, 73, 2407-2419.	1.5	75
7	A bibliometric retrospective of the Journal Computers in Human Behavior (1991â€“2015). Computers in Human Behavior, 2016, 65, 46-58.	5.1	68
8	Discrepancies among Scopus, Web of Science, and PubMed coverage of funding information in medical journal articles. Journal of the Medical Library Association: JMLA, 2018, 106, 81-86.	0.6	59
9	Exercise repetition detection for resistance training based on smartphones. Personal and Ubiquitous Computing, 2013, 17, 771-782.	1.9	58
10	Genetic algorithm based system for patient scheduling in highly constrained situations. Journal of Medical Systems, 1997, 21, 417-427.	2.2	46
11	Decision trees based on automatic learning and their use in cardiology. Journal of Medical Systems, 1994, 18, 201-206.	2.2	45
12	Research literature production on nursing competences from 1981 till 2012: A bibliometric snapshot. Nurse Education Today, 2015, 35, 673-679.	1.4	44
13	Historical, descriptive and exploratory analysis of application of bibliometrics in nursing research. Nursing Outlook, 2019, 67, 680-695.	1.5	43
14	Stability of Ranked Gene Lists in Large Microarray Analysis Studies. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-9.	3.0	35
15	Knowledge discovery with classification rules in a cardiovascular dataset. Computer Methods and Programs in Biomedicine, 2005, 80, S39-S49.	2.6	31
16	Serious Game-based Intervention for Children with Developmental Disabilities. Current Pediatric Reviews, 2020, 16, 26-32.	0.4	30
17	The limitations of decision trees and automatic learning in real world medical decision making. Journal of Medical Systems, 1997, 21, 403-415.	2.2	29
18	eHealth and health informatics competences. Kybernetes, 2018, 47, 1018-1030.	1.2	28

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19	Metaparadigm: A soft and situation oriented MIS design approach. International Journal of Bio-medical Computing, 1995, 39, 243-256.	0.5	26
20	Intelligent analysis in predicting outcome of out-of-hospital cardiac arrest. Computer Methods and Programs in Biomedicine, 2009, 95, S22-S32.	2.6	25
21	Contrasting temporal trend discovery for large healthcare databases. Computer Methods and Programs in Biomedicine, 2014, 113, 251-257.	2.6	23
22	LONG-RANGE CORRELATIONS IN COMPUTER PROGRAMS. Cybernetics and Systems, 1997, 28, 43-58.	1.6	22
23	Clinical Simulation in Nursing : A Bibliometric Analysis after Its Tenth Anniversary. Clinical Simulation in Nursing, 2017, 13, 161-167.	1.5	22
24	Bibliographic-Based Identification of Hot Future Research Topics: An Opportunity for Hospital Librarianship. Journal of Hospital Librarianship, 2018, 18, 315-322.	0.4	21
25	Nursing Research Literature ProductionÂin Terms of the Scope of Country and Health Determinants: A Bibliometric Study. Journal of Nursing Scholarship, 2019, 51, 590-598.	1.1	21
26	Evolutionary induced decision trees for dangerous software modules prediction. Information Processing Letters, 2002, 82, 31-38.	0.4	20
27	Finding the right decision tree's induction strategy for a hard real world problem. International Journal of Medical Informatics, 2001, 63, 109-121.	1.6	18
28	Trends in nursing ethics research: Mapping the literature production. Nursing Ethics, 2017, 24, 892-907.	1.8	18
29	Openness and information technology: a bibliometric analysis of literature production. Kybernetes, 2017, 46, 750-766.	1.2	18
30	Meta approaches in knowledge synthesis in nursing: A bibliometric analysis. Nursing Outlook, 2021, 69, 815-825.	1.5	18
31	Gene set enrichment meta-learning analysis: next- generation sequencing versus microarrays. BMC Bioinformatics, 2010, 11, 176.	1.2	16
32	Adapting nurse competence to future patient needs using Checkland's Soft Systems Methodology. Nurse Education Today, 2017, 48, 106-110.	1.4	16
33	Survey on specific nursing competences: Students' perceptions. Nurse Education in Practice, 2015, 15, 359-365.	1.0	15
34	Exploring an Unknown Territory. Nursing Research, 2017, 66, 359-367.	0.8	15
35	Evolutionary design of decision trees for medical application. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2012, 2, 237-254.	4.6	14
36	The art of building decision trees. Journal of Medical Systems, 2000, 24, 43-52.	2.2	13

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37	Rotation of Random Forests for Genomic and Proteomic Classification Problems. Advances in Experimental Medicine and Biology, 2011, 696, 211-221.	0.8	13
38	Estimating Software Quality with Advanced Data Mining Techniques. , 2006, , .		12
39	Role of Agile in Digital Public Health Transformation. Frontiers in Public Health, 2022, 10, .	1.3	12
40	Fractal structure of random programs. ACM SIGPLAN Notices, 1998, 33, 33-38.	0.2	11
41	Interpretability of Sudden Concept Drift in Medical Informatics Domain. , 2011, , .		11
42	Citation context and impact of â€˜sleeping beautiesâ€™ in paediatric research. Journal of International Medical Research, 2016, 44, 1212-1221.	0.4	11
43	Biomechanical characteristics of skeletal muscles and associations between running speed and contraction time in 8- to 13-year-old children. Journal of International Medical Research, 2017, 45, 231-245.	0.4	11
44	Artificial intelligence and pediatrics: A synthetic mini review. Pediatric Dimensions, 2017, 2, .	0.2	11
45	Metaparadigm: A soft systemic MIS design approach. Journal of Medical Systems, 1993, 17, 47-57.	2.2	10
46	Improving Ensembles with Classificational Cellular Automata. Lecture Notes in Computer Science, 2005, , 242-249.	1.0	9
47	Analysis of approaches to structured data on the web. Computer Standards and Interfaces, 2013, 36, 256-262.	3.8	9
48	Structured spreadsheet modeling in medical decision making and research. Journal of Medical Systems, 1990, 14, 107-117.	2.2	8
49	Software complexityâ€”an alternative view. ACM SIGPLAN Notices, 1996, 31, 35-41.	0.2	8
50	Computer and natural language texts-A comparison based on long-range correlations. Journal of the Association for Information Science and Technology, 1999, 50, 1295-1301.	1.2	8
51	A new microcomputer software system evaluation paradigm: The medical perspective. Journal of Medical Systems, 1991, 15, 269-275.	2.2	7
52	Symbol-Based Machine Learning Approach for Supervised Segmentation of Follicular Lymphoma Images. , 2007, , .		7
53	Bibliometric Patterns of Research Literature Production on Nursing Informatics Competence. Journal of Nursing Education, 2015, 54, 565-571.	0.4	7
54	The self-similarity and computer programs. ACM SIGPLAN Notices, 1994, 29, 9-12.	0.2	6

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55	Building Classifier Cellular Automata. Lecture Notes in Computer Science, 2004, , 823-830.	1.0	6
56	Effectiveness of Rotation Forest in Meta-learning Based Gene Expression Classification. Proceedings of the IEEE Symposium on Computer-Based Medical Systems, 2007, , .	0.0	6
57	How Hard Am I Training? Using Smart Phones to Estimate Sport Activity Intensity. , 2012, , .		6
58	Linguistic laws and computer programs. Journal of the Association for Information Science and Technology, 1996, 47, 781-785.	1.2	5
59	Nursing informatics education for the next millenium. Future Generation Computer Systems, 1999, 15, 211-216.	4.9	5
60	Fault-Threshold Prediction with Linear Programming Methodologies. Empirical Software Engineering, 2003, 8, 117-138.	3.0	5
61	Intelligent Patient and Nurse Scheduling in Ambulatory Health Care Centers. , 2005, 2005, 5475-8.		5
62	Machine-Learning with Cellular Automata. Lecture Notes in Computer Science, 2005, , 305-315.	1.0	5
63	Creating a Self-Plagiarism Research Topic Typology through Bibliometric Visualisation. Journal of Academic Ethics, 2016, 14, 221-230.	1.5	5
64	Bibliometric characteristics of predatory journals in pediatrics. Pediatric Research, 2018, 83, 1093-1094.	1.1	5
65	Bibliometric analysis of the International Medical Informatics Association official journals. Informatics for Health and Social Care, 2019, 44, 405-421.	1.4	5
66	Nursing Informatics. CIN - Computers Informatics Nursing, 2020, 38, 331-337.	0.3	5
67	Fighting Program Bloat with the Fractal Complexity Measure. Lecture Notes in Computer Science, 2000, , 326-337.	1.0	5
68	Feature Selection and Classification for Small Gene Sets. Lecture Notes in Computer Science, 2008, , 121-131.	1.0	5
69	Sleeping beauties in pediatrics. Journal of the Medical Library Association: JMLA, 2016, 104, 313-314.	0.6	5
70	Teaching evolution using visual simulations. British Journal of Educational Technology, 2005, 36, 563-566.	3.9	4
71	Sentiment in Science - A Case Study of CBMS Contributions in Years 2003 to 2007. , 2008, , .		4
72	Finding optimal classifiers for small feature sets in genomics and proteomics. Neurocomputing, 2010, 73, 2346-2352.	3.5	4

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73	PRIMER ICT: A new blended learning paradigm for teaching ICT skills to older people. , 2011, , .		4
74	Identifying historical roots of knowledge development in cardiovascular nursing using bibliometrics. International Journal of Nursing Practice, 2019, 25, e12726.	0.8	4
75	Did Sleeping Papers in nursing research miss their target audience?. Scientometrics, 2020, 122, 1243-1248.	1.6	4
76	Trend analysis of journal metrics: a new academic library service?. Journal of the Medical Library Association: JMLA, 2017, 105, 240-242.	0.6	4
77	Age-Related Changes in Lipid and Glucose Levels Associated with Drug Use and Mortality: An Observational Study. Journal of Personalized Medicine, 2022, 12, 280.	1.1	4
78	Lipoprotein(a) in Cardiovascular Diseases: Insight From a Bibliometric Study. Frontiers in Public Health, 0, 10, .	1.3	4
79	Sleeping beauties in health informatics research. Scientometrics, 0, , .	1.6	4
80	The complexity of formal specifications - assessments by Î± - metric. ACM SIGPLAN Notices, 1999, 34, 84-88.	0.2	3
81	Knowledge Management in Organizations - A Bibliometric Analysis of Research Trends. Lecture Notes in Business Information Processing, 2015, , 3-14.	0.8	3
82	Visualising nursing data using correspondence analysis. Nurse Researcher, 2016, 24, 38-40.	0.3	3
83	Funding patterns of bibliometrics research. Informatologia, 2018, 51, 142-148.	0.4	3
84	Cybernetics: A Bibliometric Analysis Snapshot. Cybernetics and Systems, 2018, 49, 95-102.	1.6	3
85	Elderly people's interaction with advanced technology. Studies in Health Technology and Informatics, 2014, 201, 1-10.	0.2	3
86	Controlling industrial processes with a dataflow industrial controller: A way to achieve better performances. Microprocessing and Microprogramming, 1990, 28, 95-99.	0.3	2
87	C OM PUTER-SUPPOR TED TWO-LEVEL INFOR M ATION SYSTEM D ESIGN. Cybernetics and Systems, 1996, 27, 265-278.	1.6	2
88	Power of heterogeneous computing as a vehicle for implementing E3 medical decision support systems. International Journal of Medical Informatics, 2000, 58-59, 179-190.	1.6	2
89	Research letter: Metasynthesis â€“ Fairy tale of a nursing sleeping beauty. International Journal of Nursing Studies, 2016, 59, 38-40.	2.5	2
90	Discrepancies in identifying sleeping papers in Scopus and Web of Science : The case of â€œSoftware engineeringâ€• Collnet Journal of Scientometrics and Information Management, 2019, 13, 339-344.	0.4	2

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91	The quality of digital health software: Should we be concerned?. Digital Health, 2022, 8, 205520762211090.	0.9	2
92	THE APPLICATION OF STRUCTURED SPREADSHEET MODELING IN MEDICINE. Cybernetics and Systems, 1992, 23, 285-297.	1.6	1
93	A tool for software and hardware evaluation. Journal of Medical Systems, 1996, 20, 167-172.	2.2	1
94	Nuclear Power Plant Preventive Maintenance Planning Using Genetic Algorithms. Lecture Notes in Computer Science, 2000, , 611-616.	1.0	1
95	DETECTING FAULT MODULES USING BIOINFORMATICS TECHNIQUES. International Journal of Software Engineering and Knowledge Engineering, 2007, 17, 153-165.	0.6	1
96	Open Source Software in Health Care and Open Three Example. Proceedings of the IEEE Symposium on Computer-Based Medical Systems, 2007, , .	0.0	1
97	Improving Medical Decision Making by Self Organizing Intelligent Systems. , 2008, , .		1
98	Funded and non-funded research literature in software engineering in relation to country determinants. Collnet Journal of Scientometrics and Information Management, 2019, 13, 103-109.	0.4	1
99	Do simultaneous inventions sleep? A case study on nursing sleeping papers. Scientometrics, 2020, 125, 2827-2832.	1.6	1
100	Distribution of Neck Metastases and Survival in Patients with Breast Carcinoma. Oncology Research and Treatment, 2020, 43, 380-387.	0.8	1
101	What should a paediatrician know about qualitative knowledge synthesis?. Pediatric Research, 2022, 91, 1308-1310.	1.1	1
102	Border Pairs Method â€“ Constructive MLP Learning Classification Algorithm. Lecture Notes in Computer Science, 2011, , 297-307.	1.0	1
103	A Journey trough Clinical Applications of Multimethod Decision Trees. Lecture Notes in Computer Science, 2003, , 249-253.	1.0	1
104	Self-Adaptation of Evolutionary Constructed Decision Trees by Information Spreading. , 1999, , 294-301.		1
105	Co-Operation and Co-Funding Networks in eHealth Research. Studies in Health Technology and Informatics, 2016, 225, 950-1.	0.2	1
106	Knowledge Development in Artificial Intelligence Use in Paediatrics. Knowledge, 2022, 2, 185-190.	0.7	1
107	Impact of Purity Measures on Knowledge Extraction in Decision Trees. , 0, , 229-242.		1
108	Optimal hydro-termo scheduling on a personal computer. Advances in Engineering Software (1978), 1990, 12, 45-49.	0.1	0

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109	Editorial. International Journal of Medical Informatics, 2000, 58-59, 1.	1.6	0
110	Intelligent medical systems â€“ preface. International Journal of Medical Informatics, 2001, 63, 1-4.	1.6	0
111	Computer based medical systems. Computer Methods and Programs in Biomedicine, 2005, 80, S1-S2.	2.6	0
112	THE INFORMATION DENSITY OF LITERARY WORKS THROUGH HISTORY. Cybernetics and Systems, 2006, 37, 361-371.	1.6	0
113	Teaching IT in Health Care and Nursing Program--Experiences. Proceedings of the IEEE Symposium on Computer-Based Medical Systems, 2007, , .	0.0	0
114	Intelligent Data Analysis for Diagnostics of Alcohol Dependency. Proceedings of the IEEE Symposium on Computer-Based Medical Systems, 2007, , .	0.0	0
115	Discovering new knowledge with advanced data mining tool. , 2007, , .		0
116	Using Cellular Automata for feature construction - preliminary study. , 2007, , .		0
117	Intelligent Data Analysis of Out-of-Hospital Cardiac Arrest. Proceedings of the IEEE Symposium on Computer-Based Medical Systems, 2007, , .	0.0	0
118	Evolutionary approach to combined multiple models tuning. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2007, 11, 227-235.	0.7	0
119	Unsupervised variance based preprocessing of microarray data. , 2009, , .		0
120	Introduction to the special issue. Computer Methods and Programs in Biomedicine, 2009, 95, S1-S3.	2.6	0
121	Automated parametrization of custom search ranking functions. , 2010, , .		0
122	Stability of different feature selection methods for selecting protein sequence descriptors in protein solubility classification problem. , 2010, , .		0
123	GEROM — On-line virtual environment for postgraduate health care education. , 2010, , .		0
124	AGRA: analysis of gene ranking algorithms. Bioinformatics, 2011, 27, 1185-1186.	1.8	0
125	Poster: Analysis of gene ranking algorithms with extraction of relevant biomedical concepts from PubMed publications. , 2011, , .		0
126	SVONAR: A New Quantitative Method for Studying Learner Satisfaction. Education Research International, 2012, 2012, 1-8.	0.6	0

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127	A Bibliometrics Review of CBMS Symposiums Papers from 1993 Till 2013. , 2014, , .		0
128	A tale of a pediatric urology Sleeping Beauty. Journal of Pediatric Urology, 2016, 12, 324-325.	0.6	0
129	Supporting Real World Decision Making in Coronary Diseases Using Machine Learning. Inquiry (United) Tj ETQq1 1 0.784314 rgBT /O	0.5	0
130	Ranking the complexity of NIAM conceptual schemas by alpha metric. ACM SIGPLAN Notices, 2000, 35, 59-64.	0.2	0
131	Improving Classification Accuracy Using Cellular Automata. Lecture Notes in Computer Science, 2004, , 1025-1031.	1.0	0
132	Verifying Clinical Criteria for Parkinsonian Disorders with CART Decision Trees. Lecture Notes in Computer Science, 2004, , 1018-1024.	1.0	0
133	Evolutionary Tuning of Combined Multiple Models. Lecture Notes in Computer Science, 2006, , 1297-1304.	1.0	0
134	Knowledge Extraction from Microarray Datasets Using Combined Multiple Models to Predict Leukemia Types. Studies in Computational Intelligence, 2008, , 339-352.	0.7	0
135	Data-Mining and Knowledge Discovery, Introduction to. , 2012, , 810-812.		0
136	Reasoning about Software System Design with SSM. , 1997, , 579-582.		0
137	A descriptive, historical, and thematic analysis of Acta Dermatovenerologica Alpina, Pannonica et Adriatica. Acta Dermatovenerologica Alpina, Panonica Et Adriatica, 2019, 28, .	0.1	0
138	How â€˜smartâ€™ is smart dentistry?. F1000Research, 2019, 8, 183.	0.8	0
139	The impact of physical activity to the childâ€™s quality of life: a bibliometric study. F1000Research, 2019, 8, 672.	0.8	0
140	How â€˜smartâ€™ is smart dentistry?. F1000Research, 2019, 8, 183.	0.8	0
141	Buonocore research in adhesive dentistry : A remarkable sleeping paper. Collnet Journal of Scientometrics and Information Management, 2020, 14, 211-217.	0.4	0
142	Using SSM in Designing a New Nursing Informatics Curriculum. , 2002, , 493-498.		0
143	GEROM - Developing a Contemporary On-line Master's Degree Curriculum in Gerontology. , 2012, 2012, 219.		0
144	A descriptive, historical, and thematic analysis of Acta Dermatovenerologica Alpina, Pannonica et Adriatica. Acta Dermatovenerologica Alpina, Panonica Et Adriatica, 2019, 28, 153-157.	0.1	0

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145	From Roots to Contemporary Nursing in Ex-Yugoslavian Countries: A Synthetic Review. SAGE Open, 2022, 12, 215824402211010.	0.8	0
146	The Use of Machine Learning Techniques to Predict Diabetes in Patients with Cystic Fibrosis. Studies in Health Technology and Informatics, 2022, , .	0.2	0