

Peter Z Revesz

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

1,991
citations

430874

18
h-index

302126

39
g-index

138
all docs

138
docs citations

138
times ranked

631
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraint Query Languages. Journal of Computer and System Sciences, 1995, 51, 26-52.	1.2	485
2	Constraint query languages (preliminary report). , 1990, , .		118
3	On the Semantics of Arbitration. International Journal of Algebra and Computation, 1997, 07, 133-160.	0.5	116
4	Interpolation methods for spatio-temporal geographic data. Computers, Environment and Urban Systems, 2004, 28, 201-227.	7.1	111
5	A closed-form evaluation for Datalog queries with integer (gap)-order constraints. Theoretical Computer Science, 1993, 116, 117-149.	0.9	106
6	Introduction to Databases. Texts in Computer Science, 2010, , .	0.7	81
7	Reengineering the university. Communications of the ACM, 1999, 42, 93-100.	4.5	75
8	Comparison of protein active site structures for functional annotation of proteins and drug design. Proteins: Structure, Function and Bioinformatics, 2006, 65, 124-135.	2.6	73
9	Constraint-based Interoperability of Spatiotemporal Databases*. , 1999, 3, 211-243.		60
10	FAST-NMR:Â Functional Annotation Screening Technology Using NMR Spectroscopy. Journal of the American Chemical Society, 2006, 128, 15292-15299.	13.7	48
11	Spatiotemporal reasoning about epidemiological data. Artificial Intelligence in Medicine, 2006, 38, 157-170.	6.5	46
12	Safe query languages for constraint databases. ACM Transactions on Database Systems, 1998, 23, 58-99.	2.8	38
13	A closed form for datalog queries with integer order. Lecture Notes in Computer Science, 1990, , 187-201.	1.3	35
14	Constraint objects. Lecture Notes in Computer Science, 1994, , 218-228.	1.3	34
15	A geometric framework for specifying spatiotemporal objects. , 0, , .		34
16	The MLPQ/GIS constraint database system. , 2000, , .		28
17	Constraint-based interoperability of spatiotemporal databases. Lecture Notes in Computer Science, 1997, , 142-161.	1.3	27
18	Temporal data classification using linear classifiers. Information Systems, 2011, 36, 30-41.	3.6	25

#	ARTICLE	IF	CITATIONS
19	Parametric Rectangles: A Model for Querying and Animation of Spatiotemporal Databases. Lecture Notes in Computer Science, 2000, , 430-444.	1.3	25
20	Datalog queries of set constraint databases. Lecture Notes in Computer Science, 1995, , 425-438.	1.3	24
21	Classes of Spatio-Temporal Objects and their Closure Properties. Annals of Mathematics and Artificial Intelligence, 2003, 39, 431-461.	1.3	20
22	Classification integration and reclassification using constraint databases. Artificial Intelligence in Medicine, 2010, 49, 79-91.	6.5	19
23	Efficient MaxCount and threshold operators of moving objects. Geoinformatica, 2009, 13, 355-396.	2.7	18
24	Spatio-temporal traffic video data archiving and retrieval system. Geoinformatica, 2016, 20, 59-94.	2.7	16
25	Efficient Querying and Animation of Periodic Spatio-Temporal Databases. Annals of Mathematics and Artificial Intelligence, 2002, 36, 437-457.	1.3	15
26	Voting prediction using new spatiotemporal interpolation methods. , 2006, , .		15
27	DISCO: A constraint database system with sets. Lecture Notes in Computer Science, 1996, , 68-83.	1.3	15
28	Constraint databases: A survey. Lecture Notes in Computer Science, 1997, , 209-246.	1.3	14
29	A method for predicting citations to the scientific publications of individual researchers. , 2014, , .		13
30	Knowledgebase transformations. , 1992, , .		12
31	Efficient aggregation over moving objects. , 0, , .		10
32	Bacterial protein structures reveal phylum dependent divergence. Computational Biology and Chemistry, 2011, 35, 24-33.	2.3	10
33	Data Mining Ancient Script Image Data Using Convolutional Neural Networks. , 2018, , .		10
34	Safe Datalog Queries with Linear Constraints. Lecture Notes in Computer Science, 1998, , 355-369.	1.3	10
35	Refining Restriction Enzyme Genome Maps. Constraints, 1997, 2, 361-375.	0.7	9
36	Constraint-based visualization of spatial interpolation data. , 0, , .		9

#	ARTICLE	IF	CITATIONS
37	Local Polynomial Regression Models for Average Traffic Speed Estimation and Forecasting in Linear Constraint Databases. , 2010, , .		9
38	The Evaluation and the Computational Complexity of Datalog Queries of Boolean Constraint Databases. International Journal of Algebra and Computation, 1998, 08, 553-573.	0.5	8
39	Querying spatiotemporal XML using DataFoX. , 0, , .		8
40	Efficient Rectangle Indexing Algorithms Based on Point Dominance. , 0, , .		8
41	Data mining ancient scripts to investigate their relationships and origins. , 2019, , .		8
42	A method of identifying allographs in undeciphered scripts and its application to the Indus Valley Script. Humanities and Social Sciences Communications, 2021, 8, .	2.9	8
43	MLPQ: a linear constraint database system with aggregate operators. , 0, , .		7
44	Knowledgebase Transformations. Journal of Computer and System Sciences, 1997, 54, 98-112.	1.2	7
45	TVICS: An Efficient Traffic Video Information Converting System. , 2012, , .		7
46	Quantifier-Elimination for the First-Order Theory of Boolean Algebras with Linear Cardinality Constraints. Lecture Notes in Computer Science, 2004, , 1-21.	1.3	6
47	PROFESS: a PROtein Function, Evolution, Structure and Sequence database. Database: the Journal of Biological Databases and Curation, 2010, 2010, baq011-baq011.	3.0	6
48	Affine-Invariant Triangulation of Spatio-Temporal Data with an Application to Image Retrieval. ISPRS International Journal of Geo-Information, 2017, 6, 100.	2.9	6
49	Safe stratified datalog with integer order programs. Lecture Notes in Computer Science, 1995, , 154-169.	1.3	6
50	On the relationship of congruence closure and unification. Journal of Symbolic Computation, 1989, 7, 427-444.	0.8	5
51	An Algorithm for Constructing Hypothetical Evolutionary Trees Using Common Mutation Similarity Matrices. , 2013, , .		5
52	The MLPQ/GIS constraint database system. SIGMOD Record, 2000, 29, 601.	1.2	4
53	Approximate query evaluation using linear constraint databases. , 0, , .		4
54	Max-count aggregation estimation for moving points. , 2004, , .		4

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55	Approximating Data in Constraint Databases. Lecture Notes in Computer Science, 2000, , 124-143.	1.3	4
56	Model-theoretic minimal change operators for constraint databases. Lecture Notes in Computer Science, 1997, , 447-460.	1.3	4
57	Genomic database applications in DISCO. Lecture Notes in Computer Science, 1996, , 234-245.	1.3	4
58	Datalog and Constraints. , 2000, , 155-170.		4
59	Algorithms for cartogram animation. , 0, , .		3
60	Data Mining Citation Databases. , 2014, , .		3
61	The design and implementation of AIDA. , 2019, , .		3
62	Data Mining Autosomal Archaeogenetic Data to Determine Minoan Origins. , 2021, , .		3
63	The Constraint Database Approach to Software Verification. , 2007, , 329-345.		3
64	Reclassification of Linearly Classified Data Using Constraint Databases. Lecture Notes in Computer Science, 2008, , 231-245.	1.3	3
65	The Expressivity of Constraint Query Languages with Boolean Algebra Linear Cardinality Constraints. Lecture Notes in Computer Science, 2005, , 167-182.	1.3	3
66	Introduction to constraint databases. SIGMOD Record, 2002, 31, 35-36.	1.2	2
67	Temporal data mining of uncertain water reservoir data. , 2012, , .		2
68	A Spatio-Temporal Analysis of Mitochondrial DNA Haplogroup I. MATEC Web of Conferences, 2016, 76, 04048.	0.2	2
69	A Novel Spatiotemporal Method for Predicting Covid-19 Cases. WSEAS Transactions on Mathematics, 2021, 20, 300-311.	0.5	2
70	Data Integration. , 2009, , 151-171.		2
71	A novel spatio-temporal interpolation algorithm and its application to the COVID-19 pandemic. , 2020, , .		2
72	A Vowel Harmony Testing Algorithm to Aid in Ancient Script Decipherment. , 2020, , .		2

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73	Minoan and Finno-Ugric Regular Sound Changes Discovered by Data Mining. , 2020, , .		2
74	Classical and weighted knowledgebase transformations. Computers and Mathematics With Applications, 1996, 32, 85-98.	2.7	1
75	Visualization of recursively defined concepts. , 0, , .		1
76	Using Databases and Computational Techniques to Infer the Function of Novel Proteins. , 0, , .		1
77	Visualization of Temporal-Oriented Datasets. , 0, , .		1
78	On-line maintenance of simplified weighted graphs for efficient distance queries. , 2006, , .		1
79	Efficient traffic crash and snow complaint GIS system. , 2011, , .		1
80	A Last Genetic Contact Tree Generation Algorithm for a Set of Human Populations. , 2016, , .		1
81	The Cretan Script Family Includes the Carian Alphabet. MATEC Web of Conferences, 2017, 125, 05019.	0.2	1
82	Spatio-Temporal Data Mining of Major European River and Mountain Names Reveals Their Near Eastern and African Origins. Lecture Notes in Computer Science, 2018, , 20-32.	1.3	1
83	Using Data Mining Algorithms to Discover Regular Sound Changes among Languages. MATEC Web of Conferences, 2019, 292, 03018.	0.2	1
84	Big Data and Spatial Constraint Databases. , 2017, , 118-122.		1
85	Reformulation and Approximation in Model Checking. Lecture Notes in Computer Science, 2000, , 202-218.	1.3	1
86	Constraint Database Solutions to the Genome Map Assembly Problem. Lecture Notes in Computer Science, 2004, , 88-111.	1.3	1
87	Problem solving in the DISCO constraint database system. Lecture Notes in Computer Science, 1996, , 302-315.	1.3	1
88	A Proposed Translation of an Altai Mountain Inscription Presumed to Be from the 7th Century BC. Information (Switzerland), 2022, 13, 243.	2.9	1
89	Functional interpretations of neocortical modules. , 1990, , .		0
90	Report on the 1st International Symposium on the Applications of Constraint Databases (CDB'04). SIGMOD Record, 2005, 34, 62-64.	1.2	0

#	ARTICLE	IF	CITATIONS
91	Message from the Program Committee Co-Chairs. , 2006, , .		0
92	Efficient Affine-Invariant Similarity Retrieval. , 2007, , .		0
93	Efficient and Robust Constraint Automaton-Based Genome Map Assembly. , 2008, , .		0
94	Protein structure-based method for identifying horizontal gene transfer. , 2011, , .		0
95	Artificial Intelligence Basic Research Directions at the U.S. Air Force. International Journal on Artificial Intelligence Tools, 2014, 23, 1460024.	1.0	0
96	Testing Scientific Research Grant Funding Fairness. , 2014, , .		0
97	Applications of spatio-temporal data mining to north platter river reservoirs. , 2014, , .		0
98	Cubic Spline Interpolation Reveals Different Evolutionary Trends of Various Species. MATEC Web of Conferences, 2016, 76, 04047.	0.2	0
99	A Dynamic Data Structure to Efficiently Find the Points below a Line and Estimate Their Number. ISPRS International Journal of Geo-Information, 2017, 6, 82.	2.9	0
100	A Translation of the Malia Altar Stone. MATEC Web of Conferences, 2017, 125, 05018.	0.2	0
101	A Comparative Analysis of Motifs from Minoan and Hungarian Folk Art. MATEC Web of Conferences, 2018, 210, 05020.	0.2	0
102	Computational Linguistics Techniques for the Study of Ancient Languages. MATEC Web of Conferences, 2018, 210, 03014.	0.2	0
103	Peacock Motifs in Rig Vedic Hymns and Hungarian Folksongs. MATEC Web of Conferences, 2019, 292, 03020.	0.2	0
104	Affine-invariant querying of spatial data using a triangle-based logic. Geoinformatica, 2020, 24, 849-879.	2.7	0
105	Verifying the Incorrectness of Programs and Automata. Lecture Notes in Computer Science, 2005, , 1-13.	1.3	0
106	A comparison of abstract data type and constraint database approaches to GIS query languages. , 2009, , .		0
107	Propositional Databases. Texts in Computer Science, 2010, , 7-14.	0.7	0
108	Refining Restriction Enzyme Genome Maps. , 1997, , 123-137.		0

#	ARTICLE	IF	CITATIONS
109	Big Data and Spatial Constraint Databases. , 2016, , 1-4.		0
110	Constraint Databases, Spatial. , 2017, , 334-339.		0
111	Estimating the maximum rise in temperature according to climate models using abstract interpretation. Acta Universitatis Sapientiae: Informatica, 2019, 11, 5-23.	0.4	0