Peter Z Revesz

List of Publications by Year
in descending order

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	A Proposed Translation of an Altai Mountain Inscription Presumed to Be from the 7th Century BC. Information (Switzerland), 2022, 13, 243.	2.9	1
2	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
3	A Novel Spatiotemporal Method for Predicting Covid-19 Cases. WSEAS Transactions on Mathematics, 2021, 20, 300-311.	0.5	2
4	Data Mining Autosomal Archaeogenetic Data to Determine Minoan Origins. , 2021, , .		3
5	Affine-invariant querying of spatial data using a triangle-based logic. GeoInformatica, 2020, 24, 849-879.	2.7	0
6	A novel spatio-temporal interpolation algorithm and its application to the COVID-19 pandemic. , 2020, , .		2
7	A Vowel Harmony Testing Algorithm to Aid in Ancient Script Decipherment. , 2020, , .		2
8	Minoan and Finno-Ugric Regular Sound Changes Discovered by Data Mining. , 2020, , .		2
9	Using Data Mining Algorithms to Discover Regular Sound Changes among Languages. MATEC Web of Conferences, 2019, 292, 03018.	0.2	1
10	Peacock Motifs in Rig Vedic Hymns and Hungarian Folksongs. MATEC Web of Conferences, 2019, 292, 03020.	0.2	0
11	Data mining ancient scripts to investigate their relationships and origins. , 2019, , .		8
12	The design and implementation of AIDA. , 2019, , .		3
13	Estimating the maximum rise in temperature according to climate models using abstract interpretation. Acta Universitatis Sapientiae: Informatica, 2019, 11, 5-23.	0.4	0
14	A Comparative Analysis of Motifs from Minoan and Hungarian Folk Art. MATEC Web of Conferences, 2018, 210, 05020.	0.2	0
15	Computational Linguistics Techniques for the Study of Ancient Languages. MATEC Web of Conferences, 2018, 210, 03014.	0.2	0
16	Data Mining Ancient Script Image Data Using Convolutional Neural Networks. , 2018, , .		10
17	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
18	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

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19	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
20	A Translation of the Malia Altar Stone. MATEC Web of Conferences, 2017, 125, 05018.	0.2	0
21	The Cretan Script Family Includes the Carian Alphabet. MATEC Web of Conferences, 2017, 125, 05019.	0.2	1
22	Big Data and Spatial Constraint Databases. , 2017, , 118-122.		1
23	Constraint Databases, Spatial. , 2017, , 334-339.		0
24	Cubic Spline Interpolation Reveals Different Evolutionary Trends of Various Species. MATEC Web of Conferences, 2016, 76, 04047.	0.2	0
25	A Spatio-Temporal Analysis of Mitochondrial DNA Haplogroup I. MATEC Web of Conferences, 2016, 76, 04048.	0.2	2
26	A Last Genetic Contact Tree Generation Algorithm for a Set of Human Populations. , 2016, , .		1
27	Spatio-temporal traffic video data archiving and retrieval system. GeoInformatica, 2016, 20, 59-94.	2.7	16
28	Big Data and Spatial Constraint Databases. , 2016, , 1-4.		0
29	Artificial Intelligence Basic Research Directions at the U.S. Air Force. International Journal on Artificial Intelligence Tools, 2014, 23, 1460024.	1.0	0
30	Testing Scientific Research Grant Funding Fairness. , 2014, , .		0
31	Applications of spatio-temporal data mining to north platter river reservoirs. , 2014, , .		0
32	A method for predicting citations to the scientific publications of individual researchers. , 2014, , .		13
33	Data Mining Citation Databases. , 2014, , .		3
34	An Algorithm for Constructing Hypothetical Evolutionary Trees Using Common Mutation Similarity Matrices. , 2013, , .		5
35	Temporal data mining of uncertain water reservoir data. , 2012, , .		2
36	TVICS: An Efficient Traffic Video Information Converting System. , 2012, , .		7

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37	Bacterial protein structures reveal phylum dependent divergence. Computational Biology and Chemistry, 2011, 35, 24-33.	2.3	10
38	Temporal data classification using linear classifiers. Information Systems, 2011, 36, 30-41.	3.6	25
39	Protein structure-based method for identifying horizontal gene transfer. , 2011, , .		0
40	Efficient traffic crash and snow complaint GIS system. , 2011, , .		1
41	Classification integration and reclassification using constraint databases. Artificial Intelligence in Medicine, 2010, 49, 79-91.	6.5	19
42	PROFESS: a PROtein Function, Evolution, Structure and Sequence database. Database: the Journal of Biological Databases and Curation, 2010, 2010, baq011-baq011.	3.0	6
43	Local Polynomial Regression Models for Average Traffic Speed Estimation and Forecasting in Linear Constraint Databases. , 2010, , .		9
44	Introduction to Databases. Texts in Computer Science, 2010, , .	0.7	81
45	Propositional Databases. Texts in Computer Science, 2010, , 7-14.	0.7	0
46	Efficient MaxCount and threshold operators of moving objects. GeoInformatica, 2009, 13, 355-396.	2.7	18
47	Data Integration. , 2009, , 151-171.		2
48	A comparison of abstract data type and constraint database approaches to GIS query languages. , 2009, , .		0
49	Efficient and Robust Constraint Automaton-Based Genome Map Assembly. , 2008, , .		0
50	Reclassification of Linearly Classified Data Using Constraint Databases. Lecture Notes in Computer Science, 2008, , 231-245.	1.3	3
51	Efficient Affine-Invariant Similarity Retrieval. , 2007, , .		0
52	The Constraint Database Approach to Software Verification. , 2007, , 329-345.		3
53	Message from the Program Committee Co-Chairs. , 2006, , .		0
54	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

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55	Spatiotemporal reasoning about epidemiological data. Artificial Intelligence in Medicine, 2006, 38, 157-170.	6.5	46
56	Voting prediction using new spatiotemporal interpolation methods. , 2006, , .		15
57	FAST-NMR:Â Functional Annotation Screening Technology Using NMR Spectroscopy. Journal of the American Chemical Society, 2006, 128, 15292-15299.	13.7	48
58	On-line maintenance of simplified weighted graphs for efficient distance queries. , 2006, , .		1
59	Report on the 1st International Symposium on the Applications of Constraint Databases (CDB'04). SIGMOD Record, 2005, 34, 62-64.	1.2	0
60	The Expressivity of Constraint Query Languages with Boolean Algebra Linear Cardinality Constraints. Lecture Notes in Computer Science, 2005, , 167-182.	1.3	3
61	Verifying the Incorrectness of Programs and Automata. Lecture Notes in Computer Science, 2005, , 1-13.	1.3	0
62	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
63	Interpolation methods for spatio-temporal geographic data. Computers, Environment and Urban Systems, 2004, 28, 201-227.	7.1	111
64	Max-count aggregation estimation for moving points. , 2004, , .		4
65	Constraint Database Solutions to the Genome Map Assembly Problem. Lecture Notes in Computer Science, 2004, , 88-111.	1.3	1
66	Classes of Spatio-Temporal Objects and their Closure Properties. Annals of Mathematics and Artificial Intelligence, 2003, 39, 431-461.	1.3	20
67	Introduction to constraint databases. SIGMOD Record, 2002, 31, 35-36.	1.2	2
68	Efficient Querying and Animation of Periodic Spatio-Temporal Databases. Annals of Mathematics and Artificial Intelligence, 2002, 36, 437-457.	1.3	15
69	The MLPQ/GIS constraint database system. SIGMOD Record, 2000, 29, 601.	1.2	4
70	The MLPQ/GIS constraint database system. , 2000, , .		28
71	Approximating Data in Constraint Databases. Lecture Notes in Computer Science, 2000, , 124-143.	1.3	4
72	Parametric Rectangles: A Model for Querying and Animation of Spatiotemporal Databases. Lecture Notes in Computer Science, 2000, , 430-444.	1.3	25

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73	Datalog and Constraints. , 2000, , 155-170.		4
74	Reformulation and Approximation in Model Checking. Lecture Notes in Computer Science, 2000, , 202-218.	1.3	1
75	Constraint-based Interoperability of Spatiotemporal Databases*. , 1999, 3, 211-243.		60
76	Reengineering the university. Communications of the ACM, 1999, 42, 93-100.	4.5	75
77	Safe query languages for constraint databases. ACM Transactions on Database Systems, 1998, 23, 58-99.	2.8	38
78	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
79	Safe Datalog Queries with Linear Constraints. Lecture Notes in Computer Science, 1998, , 355-369.	1.3	10
80	On the Semantics of Arbitration. International Journal of Algebra and Computation, 1997, 07, 133-160.	0.5	116
81	Constraint databases: A survey. Lecture Notes in Computer Science, 1997, , 209-246.	1.3	14
82	Refining Restriction Enzyme Genome Maps. Constraints, 1997, 2, 361-375.	0.7	9
83	Knowledgebase Transformations. Journal of Computer and System Sciences, 1997, 54, 98-112.	1.2	7
84	Model-theoretic minimal change operators for constraint databases. Lecture Notes in Computer Science, 1997, , 447-460.	1.3	4
85	Constraint-based interoperability of spatiotemporal databases. Lecture Notes in Computer Science, 1997, , 142-161.	1.3	27
86	Refining Restriction Enzyme Genome Maps. , 1997, , 123-137.		0
87	Classical and weighted knowledgebase transformations. Computers and Mathematics With Applications, 1996, 32, 85-98.	2.7	1
88	DISCO: A constraint database system with sets. Lecture Notes in Computer Science, 1996, , 68-83.	1.3	15
89	Genomic database applications in DISCO. Lecture Notes in Computer Science, 1996, , 234-245.	1.3	4
90	Problem solving in the DISCO constraint database system. Lecture Notes in Computer Science, 1996, , 302-315.	1.3	1

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91	Constraint Query Languages. Journal of Computer and System Sciences, 1995, 51, 26-52.	1.2	485
92	Datalog queries of set constraint databases. Lecture Notes in Computer Science, 1995, , 425-438.	1.3	24
93	Safe stratified datalog with integer order programs. Lecture Notes in Computer Science, 1995, , 154-169.	1.3	6
94	Constraint objects. Lecture Notes in Computer Science, 1994, , 218-228.	1.3	34
95	A closed-form evaluation for Datalog queries with integer (gap)-order constraints. Theoretical Computer Science, 1993, 116, 117-149.	0.9	106
96	Knowledgebase transformations. , 1992, , .		12
97	Constraint query languages (preliminary report). , 1990, , .		118
98	Functional interpretations of neocortical modules. , 1990, , .		0
99	A closed form for datalog queries with integer order. Lecture Notes in Computer Science, 1990, , 187-201.	1.3	35
100	On the relationship of congruence closureand unification. Journal of Symbolic Computation, 1989, 7, 427-444.	0.8	5
101	MLPQ: a linear constraint database system with aggregate operators. , 0, , .		7
102	A geometric framework for specifying spatiotemporal objects. , 0, , .		34
103	Algorithms for cartogram animation. , 0, , .		3
104	Approximate query evaluation using linear constraint databases. , 0, , .		4
105	Constraint-based visualization of spatial interpolation data. , 0, , .		9
106	Querying spatiotemporal XML using DataFoX. , 0, , .		8
107	Efficient aggregation over moving objects. , 0, , .		10
108	Visualization of recursively defined concepts. , 0, , .		1

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109	Efficient Rectangle Indexing Algorithms Based on Point Dominance. , 0, , .		8
110	Using Databases and Computational Techniques to Infer the Function of Novel Proteins. , 0, , .		1
111	Visualization of Temporal-Oriented Datasets. , 0, , .		1