Vladik Kreinovich

List of Publications by Citations

356 papers	3,076 citations	29 h-index	47 g-index
554 ext. papers	3,628 ext. citations	2.2 avg, IF	5.58 L-index

#	Paper	IF	Citations
356	Imprecise probabilities in engineering analyses. *Mechanical Systems and Signal Processing*, **2013**, 37, 4-29	7.8	264
355	Picture fuzzy sets - A new concept for computational intelligence problems **2013**,		170
354	Fuzzy logic and its applications in medicine. *International Journal of Medical Informatics*, **2001**, 62, 165-73	5.3	125
353	Computational Complexity and Feasibility of Data Processing and Interval Computations. *Applied Optimization*, **1998**,		111
352	Experimental uncertainty estimation and statistics for data having interval uncertainty. **2007**,		92
351	Decision making under interval probabilities. *International Journal of Approximate Reasoning*, **1999**, 22, 195-215	3.6	71
350	Computing variance for interval data is NP-hard. *ACM SIGACT News*, **2002**, 33, 108-118	0.3	67
349	Universal approximation theorem for uninorm-based fuzzy systems modeling. *Fuzzy Sets and Systems*, **2003**, 140, 331-339	3.7	65
348	Estimates of the Number of Hidden Units and Variation with Respect to Half-Spaces. *Neural Networks*, **1997**, 10, 1061-1068	9.1	62
347	Applications of Continuous Mathematics to Computer Science **1997**,		62
346	Interval-Valued Degrees of Belief: Applications of Interval Computations to Expert Systems and Intelligent Control. *International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems*, **1997**, 05, 317-358	0.8	61
345	Computing Exact Componentwise Bounds on Solutions of Lineary Systems with Interval Data is NP-Hard. *SIAM Journal on Matrix Analysis and Applications*, **1995**, 16, 415-420	1.5	55
344	Computing Statistics under Interval and Fuzzy Uncertainty. *Studies in Computational Intelligence*, **2012**,	0.8	55
343	GENETIC ALGORITHMS: WHAT FITNESS SCALING IS OPTIMAL?. *Cybernetics and Systems*, **1993**, 24, 9-26	1.9	48
342	Filtering out high frequencies in time series using F-transform. *Information Sciences*, **2014**, 274, 192-209	7.7	47
341	An IDL/ENVI implementation of the FFT-based algorithm for automatic image registration. *Computers and Geosciences*, **2003**, 29, 1045-1055	4.5	47
340	A new class of fuzzy implications. Axioms of fuzzy implication revisited. *Fuzzy Sets and Systems*, **1998**, 100, 267-272	3.7	46

339	Decision making beyond arrow's impossibility theorem, with the analysis of effects of collusion and mutual attraction. *International Journal of Intelligent Systems*, **2009**, 24, 27-47	8.4	45
338	Nested Intervals and Sets: Concepts, Relations to Fuzzy Sets, and Applications. *Applied Optimization*, **1996**, 245-290		43
337	Exact Bounds on Finite Populations of Interval Data. *Reliable Computing*, **2005**, 11, 207-233		39
336	Solving equations (and systems of equations) under uncertainty: how different practical problems lead to different mathematical and computational formulations. *Granular Computing*, **2016**, 1, 171-179	5.4	39
335	Fuzzy systems are universal approximators for a smooth function and its derivatives. *International Journal of Intelligent Systems*, **2000**, 15, 565-574	8.4	38
334	Decision Making Under Interval Uncertainty (and Beyond). *Studies in Computational Intelligence*, **2014**, 163-193	0.8	37
333	Towards Combining Probabilistic and Interval Uncertainty in Engineering Calculations: Algorithms for Computing Statistics under Interval Uncertainty, and Their Computational Complexity. *Reliable Computing*, **2006**, 12, 471-501		36
332	On the solution sets of particular classes of linear interval systems. *Journal of Computational and Applied Mathematics*, **2003**, 152, 1-15	2.4	36
331	A simple probabilistic explanation of term frequency-inverse document frequency (tf-idf) heuristic (and variations motivated by this explanation). *International Journal of General Systems*, **2017**, 46, 27-36	2.1	35
330	Interval Arithmetic, Affine Arithmetic, Taylor Series Methods: Why, What Next?. *Numerical Algorithms*, **2004**, 37, 325-336	2.1	32
329	On the formulation of optimization under elastic constraints (with control in mind). *Fuzzy Sets and Systems*, **1996**, 81, 5-29	3.7	30
328	Fuzzy transforms of higher order approximate derivatives: A theorem. *Fuzzy Sets and Systems*, **2011**, 180, 55-68	3.7	29
327	On the Shape of the Symmetric, Persymmetric, and Skew-Symmetric Solution Set. *SIAM Journal on Matrix Analysis and Applications*, **1997**, 18, 693-705	1.5	29
326	Fuzzy control as a universal control tool. *Fuzzy Sets and Systems*, **1996**, 80, 71-86	3.7	29
325	A new reconstruction from the F-transform components. *Fuzzy Sets and Systems*, **2016**, 288, 3-25	3.7	27
324	The Shape of the Solution Set for Systems of Interval Linear Equations with Dependent Coefficients. *Mathematische Nachrichten*, **1998**, 192, 23-36	0.8	27
323	Strict Archimedean t-norms and t-conorms as universal approximators. *International Journal of Approximate Reasoning*, **1998**, 18, 239-249	3.6	25
322	Necessary and sufficient conditions for generalized uniform fuzzy partitions. *Fuzzy Sets and Systems*, **2015**, 277, 97-121	3.7	22

321	Interval versions of statistical techniques with applications to environmental analysis, bioinformatics, and privacy in statistical databases. *Journal of Computational and Applied Mathematics*, **2007**, 199, 418-423	2.4	22
320	Monte-Carlo-Type Techniques for Processing Interval Uncertainty, and Their Potential Engineering Applications. *Reliable Computing*, **2006**, 13, 25-69		22
319	On the possibility of using complex values in fuzzy logic for representing inconsistencies. *International Journal of Intelligent Systems*, **1998**, 13, 683-714	8.4	20
318	Greedy algorithms for optimizing multivariate Horner schemes. *SIGSAM Bulletin: A Quarterly Publication of the Special Interest Group on Symbolic & Algebraic Manipulation*, **2004**, 38, 8-15		19
317	Kolmogorov complexity and chaotic phenomena. *International Journal of Engineering Science*, **2003**, 41, 483-493	5.7	18
316	Beyond Convex? Global Optimization is Feasible Only for Convex Objective Functions: A Theorem. *Journal of Global Optimization*, **2005**, 33, 617-624	1.5	17
315	FAIR DIVISION UNDER INTERVAL UNCERTAINTY. *International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems*, **2000**, 08, 611-618	0.8	17
314	A new universal approximation result for fuzzy systems, which reflects CNF DNF duality. *International Journal of Intelligent Systems*, **2002**, 17, 1121-1130	8.4	16
313	Maximum entropy and interval computations. *Reliable Computing*, **1996**, 2, 63-79		16
312	Fast convolution and Fast Fourier Transform under interval and fuzzy uncertainty. *Journal of Computer and System Sciences*, **2010**, 76, 63-76	1	15
311	Astrogeometry: Toward mathematical foundations. *International Journal of Theoretical Physics*, **1997**, 36, 1009-1020	1.1	15
310	Fuzzy numbers are the only fuzzy sets that keep invertible operations invertible. *Fuzzy Sets and Systems*, **1997**, 91, 155-163	3.7	13
309	Outlier Detection under Interval Uncertainty: Algorithmic Solvability and Computational Complexity. *Reliable Computing*, **2005**, 11, 59-76		13
308	Validated templates for specification of complex LTL formulas. *Journal of Systems and Software*, **2012**, 85, 1915-1929	3.3	12
307	NORMAL FORMS FOR FUZZY LOGIC □AN APPLICATION OF KOLMOGOROV□S THEOREM. *International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems*, **1996**, 04, 331-349	0.8	12
306	Estimating Uncertainties for Geophysical Tomography. *Reliable Computing*, **1998**, 4, 241-268		12
305	Entropy conserving probability transforms and the entailment principle. *Fuzzy Sets and Systems*, **2007**, 158, 1397-1405	3.7	12
304	Population Variance under Interval Uncertainty: A New Algorithm. *Reliable Computing*, **2006**, 12, 273-280		12

303	How to divide a territory? A new simple differential formalism for optimization of set functions. *International Journal of Intelligent Systems*, **1999**, 14, 223-251	8.4	12
302	A MEASURE OF AVERAGE SENSITIVITY FOR FUZZY LOGICS. *International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems*, **1994**, 02, 361-375	0.8	12
301	Interval or moments: which carry more information?. *Soft Computing*, **2013**, 17, 1319-1327	3.5	11
300	Concepts of solutions of uncertain equations with intervals, probabilities and fuzzy sets for applied tasks. *Granular Computing*, **2017**, 2, 121-130	5.4	11
299	Fuzzy (and Interval) Techniques in the Age of Big Data: An Overview with Applications to Environmental Science, Geosciences, Engineering, and Medicine. *International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems*, **2015**, 23, 75-89	0.8	11
298	Using expert knowledge in solving the seismic inverse problem. *International Journal of Approximate Reasoning*, **2007**, 45, 564-587	3.6	11
297	A realistic (non-associative) logic and a possible explanations of 7±2 law. *International Journal of Approximate Reasoning*, **2002**, 29, 235-266	3.6	11
296	Convergence properties of an interval probabilistic approach to system reliability estimation. *International Journal of General Systems*, **2005**, 34, 465-482	2.1	11
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294	Maximum entropy approach to fuzzy control. *Information Sciences*, **1994**, 81, 235-260	7.7	11
293	Astrogeometry, error estimation, and other applications of set-valued analysis. *ACM SIGNUM Newsletter*, **1996**, 31, 3-25		11
292	How to Fully Represent Expert Information about Imprecise Properties in a Computer System - Random Sets, Fuzzy Sets, and Beyond: An Overview. *International Journal of General Systems*, **2014**, 43, 586-609	2.1	10
291	Computing best-possible bounds for the distribution of a sum of several variables is NP-hard. *International Journal of Approximate Reasoning*, **2006**, 41, 331-342	3.6	10
290	Computing mean and variance under Dempster–Shafer uncertainty: Towards faster algorithms. *International Journal of Approximate Reasoning*, **2006**, 42, 212-227	3.6	10
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283	Interpolation that leads to the narrowest intervals and its application to expert systems and intelligent control. *Reliable Computing*, **1995**, 1, 299-315		9
282	If we measure a number, we get an interval. What if we measure a function or an operator?. *Reliable Computing*, **1996**, 2, 287-297		9
281	Why Are FGM Copulas Successful? A Simple Explanation. *Advances in Fuzzy Systems*, **2018**, 2018, 1-5	1.7	9
280	Solving Linear Interval Systems Is NP-Hard Even If We Exclude Overflow and Underflow. *Reliable Computing*, **1998**, 4, 383-388		8
279	Interval-type and affine arithmetic-type techniques for handling uncertainty in expert systems. *Journal of Computational and Applied Mathematics*, **2007**, 199, 403-410	2.4	8
278	Computing Population Variance and Entropy under Interval Uncertainty: Linear-Time Algorithms. *Reliable Computing*, **2007**, 13, 467-488		8
277	High-Concentration Chemical Computing Techniques for Solving Hard-To-Solve Problems, and their Relation to Numerical Optimization, Neural Computing, Reasoning under Uncertainty, and Freedom of Choice **2013**, 209-235		7
276	Estimating correlation under interval uncertainty. *Mechanical Systems and Signal Processing*, **2013**, 37, 43-53	7.8	7
275	On Decision Making under Interval Uncertainty: A New Justification of Hurwicz Optimism-Pessimism Approach and its Use in Group Decision Making **2009**,		7
274	Intelligence techniques are needed to further enhance the advantage of groups with diversity in problem solving **2009**,		7
273	NP-Hard Classes of Linear Algebraic Systems with Uncertainties. *Reliable Computing*, **1997**, 3, 51-81		7
272	Computational complexity of determining which statements about causality hold in different spacetime models. *Theoretical Computer Science*, **2008**, 405, 50-63	1.1	7
271	FUZZY/PROBABILITY ~ FRACTAL/SMOOTH. *International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems*, **1999**, 07, 363-370	0.8	7
270	A bright side of NP-hardness of interval computations: interval heuristics applied to NP-problems. *Reliable Computing*, **1995**, 1, 343-359		7
269	Why intervals? A simple limit theorem that is similar to limit theorems from statistics. *Reliable Computing*, **1995**, 1, 33-40		7
268	Trade-off between sample size and accuracy: Case of measurements under interval uncertainty. *International Journal of Approximate Reasoning*, **2009**, 50, 1164-1176	3.6	6

267	Model fusion under probabilistic and interval uncertainty, with application to Earth sciences. *International Journal of Reliability and Safety*, **2012**, 6, 167	0.9	6
266	Optimal choice of granularity in commonsense estimation: Why half-orders of magnitude?. *International Journal of Intelligent Systems*, **2006**, 21, 843-855	8.4	6
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264	Which truth values in fuzzy logics are definable?. *International Journal of Intelligent Systems*, **2003**, 18, 1057-1064	8.4	6
263	From interval computations to modal mathematics. *SIGSAM Bulletin: A Quarterly Publication of the Special Interest Group on Symbolic & Algebraic Manipulation*, **1998**, 32, 7-11		6
262	Unreasonable effectiveness of symmetry in physics. *International Journal of Theoretical Physics*, **1996**, 35, 1549-1555	1.1	6
261	Approximately measured causality implies the Lorentz group: Alexandrov-Zeeman result made more realistic. *International Journal of Theoretical Physics*, **1994**, 33, 1733-1747	1.1	6
260	Relations Between Interval Computing and Soft Computing. *Advanced Information and Knowledge Processing*, **2008**, 75-97	0.3	6
259	The heresy of unheard-of simplicity: Comment on "The unreasonable effectiveness of small neural ensembles in high-dimensional brain" by A.N. Gorban, V.A. Makarov, and I.Y. Tyukin. *Physics of Life Reviews*, **2019**, 29, 93-95	2.1	5
258	Square root of □ot□a major difference between fuzzy and quantum logics. *International Journal of General Systems*, **2011**, 40, 111-127	2.1	5
257	When Are Two Wave Functions Distinguishable: A New Answer to Pauli□ Question, with Potential Application to Quantum Cosmology. *International Journal of Theoretical Physics*, **2008**, 47, 814-831	1.1	5
256	Which fuzzy logic is the best: Pragmatic approach (and its theoretical analysis). *Fuzzy Sets and Systems*, **2006**, 157, 611-614	3.7	5
255	Dealing with Imprecise Probabilities: Interval-Related Talks at ISIPTA'05. *Reliable Computing*, **2006**, 12, 153-165		5
254	Towards Optimal Use of Multi-Precision Arithmetic: A Remark. *Reliable Computing*, **2006**, 12, 365-369		5
253	Are There Easy-to-Check Necessary and Sufficient Conditions for Straightforward Interval Computations To Be Exact?. *Reliable Computing*, **2003**, 9, 349-358		5
252	Optimal Finite Characterization of Linear Problems with Inexact Data. *Reliable Computing*, **2005**, 11, 479-489		5
251	Why Fundamental Physical Equations Are of Second Order. *International Journal of Theoretical Physics*, **1999**, 38, 1763-1769	1.1	5
250	How AI-Type Uncertainty Ideas Can Improve Inter-Disciplinary Collaboration and Education: Lessons from a Case Study. *Journal of Advanced Computational Intelligence and Intelligent Informatics*, **2010**, 14, 700-707	0.4	5

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248	**2014**,		4
247	Towards optimal effort distribution in process design under uncertainty, with application to education. *International Journal of Reliability and Safety*, **2012**, 6, 148	0.9	4
246	Square root of Not: A major difference between fuzzy and quantum logics **2008**,		4
245	Towards adding probabilities and correlations to interval computations. *International Journal of Approximate Reasoning*, **2007**, 46, 499-510	3.6	4
244	Unimodality, Independence Lead to NP-Hardness of Interval Probability Problems. *Reliable Computing*, **2007**, 13, 261-282		4
243	Exact Upper Bound on the Mean of the Product of Many Random Variables with Known Expectations. *Reliable Computing*, **2003**, 9, 441-463		4
242	For unknown-but-bounded errors, interval estimates are often better than averaging. *ACM SIGNUM Newsletter*, **1996**, 31, 6-19		4
241	Symmetry characterization of Pimenov's spacetime: A reformulation of causality axioms. *International Journal of Theoretical Physics*, **1996**, 35, 341-346	1.1	4
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239	Why Triangular and Trapezoid Membership Functions: A Simple Explanation. *Studies in Fuzziness and Soft Computing*, **2020**, 25-31	0.7	4
238	Granularity Helps Explain Seemingly Irrational Features of Human Decision Making. *Studies in Big Data*, **2015**, 1-31	0.9	4
237	Ellipsoidal and Gaussian Kalman Filter Model for Discrete-Time Nonlinear Systems. *Mathematics*, **2019**, 7, 1168	2.3	4
236	New Algorithms for Statistical Analysis of Interval Data. *Lecture Notes in Computer Science*, **2006**, 189-196	0.9	4
235	Interval Computations and Interval-Related Statistical Techniques: Tools for Estimating Uncertainty of the Results of Data Processing and Indirect Measurements **2009**, 1-29		4
234	Combining Interval, Probabilistic, and Other Types of Uncertainty in Engineering Applications. *Studies in Computational Intelligence*, **2018**,	0.8	3
233	Likert-scale fuzzy uncertainty from a traditional decision making viewpoint: It incorporates both subjective probabilities and utility information **2013**,		3
232	Efficient algorithms for heavy-tail analysis under interval uncertainty. *Annals of Operations Research* , **2012**, 195, 73-96	3.2	3

231	Quantum computation techniques for gauging reliability of interval and fuzzy data. *International Journal of General Systems*, **2011**, 40, 99-109	2.1	3
230	What is the best way to distribute efforts among students: Towards quantitative approach to human cognition **2009**,		3
229	On a Theoretical Justification of the Choice of Epsilon-Inflation in PASCAL-XSC. *Reliable Computing*, **1997**, 3, 437-445		3
228	Pure quantum states are fundamental, mixtures (composite states) are mathematical constructions: An argument using algorithmic information theory. *International Journal of Theoretical Physics*, **1997**, 36, 167-176	1.1	3
227	Intervals and the Origins of Calculus. *Reliable Computing*, **1998**, 4, 191-197		3
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225	Aggregability is NP-hard. *ACM SIGACT News*, **2006**, 37, 97-104	0.3	3
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223	Fast Multiplication of Interval Matrices (Interval Version of Strassen's Algorithm). *Reliable Computing*, **2004**, 10, 241-243		3
222	Checking identities is computationally intractable NP-hard and therefore human provers will always be needed. *International Journal of Intelligent Systems*, **2004**, 19, 39-49	8.4	3
221	A new characterization of the set of all intervals, based on the necessity to check consistency easily. *Reliable Computing*, **1995**, 1, 285-297		3
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219	Prediction problem in quantum mechanics is intractable (NP-Hard). *International Journal of Theoretical Physics*, **1991**, 30, 113-122	1.1	3
218	ON APPROXIMATION OF CONTROLS IN DISTRIBUTED SYSTEMS BY FUZZY CONTROLLERS. *Advances in Fuzzy Systems*, **1995**, 137-145		3
217	Why Zipf's law: a symmetry-based explanation. *International Mathematical Forum*, **2018**, 13, 255-258	4.6	3
216	Why Fuzzy Cognitive Maps Are Efficient. *International Journal of Computers, Communications and Control*, **2015**, 10, 65	3.6	3
215	A New (Simplified) Derivation of Nash Bargaining Solution. *Journal of Advanced Computational Intelligence and Intelligent Informatics*, **2020**, 24, 589-592	0.4	3
214	Interval-Valued and Fuzzy-Valued Random Variables: From Computing Sample Variances to Computing Sample Covariances **2004**, 85-92		3

213	Towards Security of Cyber-Physical Systems using Quantum Computing Algorithms **2020**,		3
212	Limit Theorems as Blessing of Dimensionality: Neural-Oriented Overview. *Entropy*, **2021**, 23,	2.8	3
211	Need for Data Processing Naturally Leads to Fuzzy Logic (and Neural Networks): Fuzzy Beyond Experts and Beyond Probabilities. *International Journal of Intelligent Systems*, **2016**, 31, 276-293	8.4	3
210	Propagation of Interval and Probabilistic Uncertainty in Cyberinfrastructure-related Data Processing and Data Fusion. *Studies in Systems, Decision and Control*, **2015**,	0.8	2
209	Fuzzy Analogues of Sets and Functions Can Be Uniquely Determined from the Corresponding Ordered Category: A Theorem. *Axioms*, **2018**, 7, 8	1.6	2
208	Orders on intervals over partially ordered sets: extending Allen algebra and interval graph results. *Soft Computing*, **2013**, 17, 1379-1391	3.5	2
207	Data anonymization that leads to the most accurate estimates of statistical characteristics **2013**,		2
206	Why Lattice-valued fuzzy values? A mathematical justification. *Journal of Intelligent and Fuzzy Systems*, **2015**, 29, 1421-1425	1.6	2
205	Why Sugeno measures **2015**,		2
204	If we take into account that constraints are soft, then processing constraints becomes algorithmically solvable **2014**,		2
203	Reconstructing an Open Order from Its Closure, with Applications to Space-Time Physics and to Logic. *Studia Logica*, **2012**, 100, 419-435	0.7	2
202	From processing interval-valued fuzzy data to general type-2: Towards fast algorithms **2011**,		2
201	Estimating information amount under uncertainty: algorithmic solvability and computational complexity. *International Journal of General Systems*, **2010**, 39, 349-378	2.1	2
200	How to relate fuzzy and OWA estimates **2010**,		2
199	Towards Symmetry-Based Explanation of (Approximate) Shapes of Alpha-Helices and Beta-Sheets (and Beta-Barrels) in Protein Structure. *Symmetry*, **2012**, 4, 15-25	2.7	2
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194	Towards fast algorithms for processing type-2 fuzzy data: Extending Mendel's algorithms from interval-valued to a more general case **2008**,		2
193	From (Idealized) Exact Causality-Preserving Transformations to Practically Useful Approximately-Preserving Ones: A General Approach. *International Journal of Theoretical Physics*, **2008**, 47, 1083-1091	1.1	2
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191	Towards Interval Techniques for Processing Educational Data **2006**,		2
190	Range Estimation Is NP-Hard for ε Accuracy and Feasible for ε *Reliable Computing*, **2002**, 8, 481-491		2
189	Computational complexity of optimization and crude range testing: a new approach motivated by fuzzy optimization. *Fuzzy Sets and Systems*, **2003**, 135, 179-208	3.7	2
188	Why clustering in function approximation? Theoretical explanation. *International Journal of Intelligent Systems*, **2000**, 15, 959-966	8.4	2
187	Error Estimation for Indirect Measurements: Interval Computation Problem Is (Slightly) Harder Than a Similar Probabilistic Computational Problem. *Reliable Computing*, **1999**, 5, 81-95		2
186	Applications of interval computations to earthquake-resistant engineering: How to compute derivatives of interval functions fast. *Reliable Computing*, **1995**, 1, 141-172		2
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184	Causality explains why spatial and temporal translations commute: A remark. *International Journal of Theoretical Physics*, **1996**, 35, 693-695	1.1	2
183	HOW DIFFICULT IS IT TO INVENT A NONTRIVIAL GAME?. *Cybernetics and Systems*, **1994**, 25, 629-640	1.9	2
182	Fast rotation of a 3D image about an arbitrary line. *Computers and Graphics*, **1993**, 17, 121-126	1.8	2
181	Comparison of formulations of applied tasks with intervals, fuzzy sets and probability approaches **2016**,		2
180	**2020**,		2
179	Review of A=B 5 by Marko Petkovsek, Herbert S. Wilf, and Doron Zeilberger. *ACM SIGACT News*, **2000**, 31, 18-24	0.3	2
178	Optimization Under Fuzzy Constraints: From a Heuristic Algorithm to an Algorithm that Always Converges. *Communications in Computer and Information Science*, **2018**, 3-16	0.3	2

177	Which Distributions (or Families of Distributions) Best Represent Interval Uncertainty: Case of Permutation-Invariant Criteria. *Communications in Computer and Information Science*, **2020**, 70-79	0.3	2
176	Dow Theory's Peak-and-Trough Analysis Justified. *Studies in Systems, Decision and Control*, **2018**, 123-128	0.8	2
175	Interval rational = algebraic. *ACM SIGNUM Newsletter*, **1995**, 30, 2-13		2
174	Econometric Models of Probabilistic Choice: Beyond McFadden's Formulas. *Studies in Computational Intelligence*, **2017**, 79-87	0.8	2
173	(Hypothetical) Negative Probabilities Can Speed Up Uncertainty Propagation Algorithms. *Studies in Big Data*, **2018**, 251-271	0.9	2
172	Relationship between Measurement Results and Expert Estimates of Cumulative Quantities, on the Example of Pavement Roughness **2019**,		2
171	Between Dog and Wolf: A Continuous Transition from Fuzzy to Probabilistic Estimates **2019**,		2
170	Current Quantum Cryptography Algorithm Is Optimal: A Proof **2018**,		2
169	Statistical Data Processing under Interval Uncertainty: Algorithms and Computational Complexity **2006**, 11-26		2
168	Algorithmic Aspects of Analysis, Prediction, and Control in Science and Engineering. *Studies in Systems, Decision and Control*, **2015**,	0.8	1
167	Qualitative conditioning in an interval-based possibilistic setting. *Fuzzy Sets and Systems*, **2018**, 343, 35-49	3.7	1
166	Why Triangular Membership Functions are Often Efficient in F-transform Applications: Relation to Probabilistic and Interval Uncertainty and to Haar Wavelets. *Communications in Computer and Information Science*, **2018**, 127-138	0.3	1
165	Why Use a Fuzzy Partition in F-Transform?. *Axioms*, **2019**, 8, 94	1.6	1
164	Why Triangular Membership Functions Are Successfully Used in F-Transform Applications: A Global Explanation to Supplement the Existing Local Ones. *Axioms*, **2019**, 8, 95	1.6	1
163	Uniqueness of reconstruction for Yager's t-norm combination of probabilistic and possibilistic knowledge. *International Journal of Intelligent Systems*, **2012**, 27, 16-22	8.4	1
162	Towards interval techniques for model validation. *Computing (Vienna/New York)*, **2012**, 94, 257-269	2.2	1
161	All Kinds of Behavior are Possible in Chemical Kinetics: A Theorem and its Potential Applications to Chemical Computing **2013**, 237-258		1
160	Sometimes, it is beneficial to process different types of uncertainty separately **2015**,		1

159	Towards fast and accurate algorithms for processing fuzzy data: interval computations revisited. *International Journal of General Systems*, **2013**, 42, 197-223	2.1	1
158	Why Fuzzy Transform Is Efficient in Large-Scale Prediction Problems: A Theoretical Explanation. *Advances in Fuzzy Systems*, **2011**, 2011, 1-5	1.7	1
157	Towards improved trapezoidal approximation to intersection (fusion) of trapezoidal fuzzy numbers: Specific procedure and general non-associativity theorem **2010**,		1
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