

Vladik Kreinovich

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A Natural Formalization of Changing-One's Mind Leads to Square Root of Not and to Complex-Valued Fuzzy Logic. <i>Lecture Notes in Networks and Systems</i> , 2022 , 190-195	0.5	1
355	Ordered Weighted Averaging (OWA), Decision Making under Uncertainty, and Deep Learning: How Is This All Related?. <i>Information (Switzerland)</i> , 2022 , 13, 82	2.6	
354	How Multi-view Techniques Can Help in Processing Uncertainty. <i>Studies in Big Data</i> , 2022 , 23-53	0.9	
353	Why People Tend to Overestimate Joint Probabilities. <i>Communications in Computer and Information Science</i> , 2022 , 485-493	0.3	
352	How to Monitor Possible Side Effects of Enhanced Oil Recovery Process. <i>Studies in Fuzziness and Soft Computing</i> , 2021 , 521-527	0.7	
351	How to Make a Decision Based on the Minimum Bayes Factor (MBF): Explanation of the Jeffreys Scale. <i>Studies in Computational Intelligence</i> , 2021 , 115-120	0.8	0
350	Ranking-Based Voting Revisited: Maximum Entropy Approach Leads to Borda Count (and Its Versions). <i>Studies in Computational Intelligence</i> , 2021 , 145-152	0.8	1
349	Beyond p-Boxes and Interval-Valued Moments: Natural Next Approximations to General Imprecise Probabilities. <i>Studies in Computational Intelligence</i> , 2021 , 133-143	0.8	1
348	Boris Kovalerchuk, Visual Knowledge Discovery and Machine Learning Springer, Cham, Switzerland, 2018. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 40, 5753-5755	1.6	
347	Fabio Cuzzolin, The Geometry of Uncertainty: The Geometry of Imprecise Probabilities Springer, Cham, Switzerland, 2021. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 40, 5757-5758	1.6	
346	Limit Theorems as Blessing of Dimensionality: Neural-Oriented Overview. <i>Entropy</i> , 2021 , 23,	2.8	3
345	Wolfram Eilenberger Time of the Magicians: Wittgenstein, Benjamin, Cassirer, Heidegger, and The Decade that Reinvented Philosophy Penguin Press, New York, 2020. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 40, 10325-10327	1.6	
344	Djuro G. Zrilic Functional Processing of Delta-Sigma Bit-Stream, Springer, Cham, Switzerland, 2020. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 40, 10329-10330	1.6	
343	Olga Kosheleva and Karen Villaverde How Interval and Fuzzy Techniques Can Improve Teaching Springer, Cham, Switzerland, 2018. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 40, 10323-10324	1.6	1
342	Decision making under interval uncertainty: toward (somewhat) more convincing justifications for Hurwicz optimism-pessimism approach. <i>Asian Journal of Economics and Banking</i> , 2021 , 5, 32-45	0.6	0
341	Invariance-based approach: general methods and pavement engineering case study. <i>International Journal of General Systems</i> , 2021 , 50, 672-702	2.1	0
340	Hung T. Nguyen, Carol L. Walker, and Elbert A. Walker A First Course in Fuzzy Logic (4th edition) CRC Press, Taylor & Francis Book, Boca Raton, Florida, 2019. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 40, 1715-1716	1.6	

339	Amanda Jansen, Rough Draft Math: Revising to Learn, Stenhouse Publishers, Portsmouth, New Hampshire, 2020. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 40, 3813-3814	1.6	1
338	Decision-making under interval uncertainty revisited. <i>Asian Journal of Economics and Banking</i> , 2021 , 5, 79-85	0.6	
337	Granular approach to data processing under probabilistic uncertainty. <i>Granular Computing</i> , 2021 , 6, 489-505	1.6	1
336	It Is Important to Take All Available Information into Account When Making a Decision: Case of the Two Envelopes Problem. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 415-424	0.4	
335	Quantum Computing as a Particular Case of Computing with Tensors. <i>Studies in Systems, Decision and Control</i> , 2021 , 51-56	0.8	
334	Witold Pedrycz An Introduction to Computing with Fuzzy Sets: Analysis, Design, and Applications Springer, Cham, Switzerland, 2021. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 40, 1717-1719	1.6	
333	Joseph Henrich, The WEIRD People in the World: How the West Became Psychologically Peculiar and Particularly Prosperous, Farrar, Straus, and Giroux, New York, 2020. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 40, 1713-1714	1.6	1
332	Computing Without Computing: DNA Version 2021 , 213-230		1
331	Towards a Theoretical Explanation of How Pavement Condition Index Deteriorates over Time. <i>Studies in Systems, Decision and Control</i> , 2021 , 121-127	0.8	1
330	Need for Diversity in Elected Decision-Making Bodies: Economics-Related Analysis. <i>Studies in Computational Intelligence</i> , 2021 , 227-231	0.8	
329	Strength of Lime Stabilized Pavement Materials: Possible Theoretical Explanation of Empirical Dependencies. <i>Studies in Systems, Decision and Control</i> , 2021 , 115-119	0.8	1
328	Jozo Dujmović Soft Computing Evaluation Logic: The LSP Decision Method, and Its Applications, IEEE Press and Wiley, Hoboken, New Jersey, 2018. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 40, 3815-3817	1.6	
327	Chiara Marletto, The Science of Can and Can't: A Physicist's Journey Through the Land of Counterfactuals, Viking, New York, 2021. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 41, 2515-2517	1.6	
326	Jose Maria Alonso Moral, Ciro Castiello, Luis Magdalena, and Corrado Mencar, Explainable Fuzzy Systems: Paving the Way from Interpretable Fuzzy Systems to Explainable AI Systems, Springer, Cham, Switzerland, 2021. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 41, 2519-2520	1.6	
325	Linear Neural Networks Revisited: From PageRank to Family Happiness. <i>Studies in Systems, Decision and Control</i> , 2021 , 83-92	0.8	
324	How to Estimate the Stiffness of a Multi-layer Road Based on Properties of Layers: Symmetry-Based Explanation for Odemark's Equation. <i>Studies in Computational Intelligence</i> , 2021 , 219-225	0.8	1
323	Joule's Nineteenth Century Energy Conservation Meta-law and the Twentieth Century Physics (Quantum Mechanics and Relativity): Twenty-First Century Analysis. <i>Foundations of Science</i> , 2020 , 26, 703	0.8	
322	2020 ,		2

321	Softmax and McFadden's Discrete Choice Under Interval (and Other) Uncertainty. <i>Lecture Notes in Computer Science</i> , 2020 , 364-373	0.9	1
320	Symmetries Are Important. <i>Studies in Computational Intelligence</i> , 2020 , 1-5	0.8	
319	Why Majority Rule Does Not Work in Quantum Computing: A Pedagogical Explanation. <i>Lecture Notes in Computer Science</i> , 2020 , 396-401	0.9	
318	How to Combine (Dis)Utilities of Different Aspects into a Single (Dis)Utility Value, and How This Is Related to Geometric Images of Happiness. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , 2020 , 24, 599-603	0.4	
317	Review of the book John Kay and Mervyn King, <i>Radical Uncertainty: Decision Making Beyond the Numbers</i> , W. W. Norton and Co., New York, 2020. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 39, 4803-4805	1.6	
316	Review of the Book <i>Mind in Motion: How Action Shapes Thought</i> by Barbara Tversky, Basic Books, New York, 2019. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 39, 4807-4810	1.6	
315	A New (Simplified) Derivation of Nash's Bargaining Solution. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , 2020 , 24, 589-592	0.4	3
314	Relativistic Effects Can Be Used to Achieve a Universal Square-Root (Or Even Faster) Computation Speedup. <i>Lecture Notes in Computer Science</i> , 2020 , 179-189	0.9	1
313	Why Sparse?. <i>Studies in Computational Intelligence</i> , 2020 , 461-470	0.8	1
312	Why Unexpectedly Positive Experiences Make Decision Makers More Optimistic: An Explanation. <i>Studies in Systems, Decision and Control</i> , 2020 , 175-179	0.8	
311	Why Spiking Neural Networks Are Efficient: A Theorem. <i>Communications in Computer and Information Science</i> , 2020 , 59-69	0.3	1
310	Which Value (\tilde{x}) Best Represents a Sample (x_1, \dots, x_n) : Utility-Based Approach Under Interval Uncertainty. <i>Studies in Systems, Decision and Control</i> , 2020 , 169-174	0.8	
309	Plans Are Worthless but Planning Is Everything: A Theoretical Explanation of Eisenhower's Observation. <i>Studies in Systems, Decision and Control</i> , 2020 , 93-98	0.8	1
308	Why Convex Optimization Is Ubiquitous and Why Pessimism Is Widely Spread. <i>Studies in Systems, Decision and Control</i> , 2020 , 99-104	0.8	
307	Why Triangular and Trapezoid Membership Functions: A Simple Explanation. <i>Studies in Fuzziness and Soft Computing</i> , 2020 , 25-31	0.7	4
306	Which Distributions (or Families of Distributions) Best Represent Interval Uncertainty: Case of Permutation-Invariant Criteria. <i>Communications in Computer and Information Science</i> , 2020 , 70-79	0.3	2
305	How to Decide Which Cracks Should Be Repaired First: Theoretical Explanation of Empirical Formulas. <i>Lecture Notes in Computer Science</i> , 2020 , 402-410	0.9	1
304	How the amount of cracks and potholes grows with time: Symmetry-based explanation of empirical dependencies 2020 ,		1

303	Towards Security of Cyber-Physical Systems using Quantum Computing Algorithms 2020 ,		3
302	Special issue on Similarity, Correlation and Association Measures. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 36, 2975-2976	1.6	
301	Probability-Based Approach Explains (and Even Improves) Heuristic Formulas of Defuzzification. <i>Lecture Notes in Computer Science</i> , 2019 , 98-108	0.9	
300	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. <i>Physics of Life Reviews</i> , 2019 , 29, 93-95	2.1	5
299	Why Use a Fuzzy Partition in F-Transform?. <i>Axioms</i> , 2019 , 8, 94	1.6	1
298	Why Triangular Membership Functions Are Successfully Used in F-Transform Applications: A Global Explanation to Supplement the Existing Local Ones. <i>Axioms</i> , 2019 , 8, 95	1.6	1
297	How Intelligence Community Interprets Imprecise Evaluative Linguistic Expressions, and How to Justify this Empirical-Based Interpretation. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 81-89	0.4	
296	How to Take Expert Uncertainty into Account: Economic Approach Illustrated by Pavement Engineering Applications. <i>Studies in Computational Intelligence</i> , 2019 , 182-190	0.8	1
295	Relationship between Measurement Results and Expert Estimates of Cumulative Quantities, on the Example of Pavement Roughness 2019 ,		2
294	Ellipsoidal and Gaussian Kalman Filter Model for Discrete-Time Nonlinear Systems. <i>Mathematics</i> , 2019 , 7, 1168	2.3	4
293	Between Dog and Wolf: A Continuous Transition from Fuzzy to Probabilistic Estimates 2019 ,		2
292	Faster Quantum Alternative to Softmax Selection in Deep Learning and Deep Reinforcement Learning 2019 ,		1
291	How to Use Quantum Computing to Check Which Inputs Are Relevant: A Proof That Deutsch-Jozsa Algorithm Is, In Effect, the Only Possibility 2019 ,		1
290	Maximum Entropy Beyond Selecting Probability Distributions. <i>Studies in Computational Intelligence</i> , 2018 , 186-195	0.8	
289	Qualitative conditioning in an interval-based possibilistic setting. <i>Fuzzy Sets and Systems</i> , 2018 , 343, 35-49	4.7	1
288	Combining Interval, Probabilistic, and Other Types of Uncertainty in Engineering Applications. <i>Studies in Computational Intelligence</i> , 2018 ,	0.8	3
287	Optimal Group Decision Making Criterion and How It Can Help to Decrease Poverty, Inequality, and Discrimination. <i>Studies in Fuzziness and Soft Computing</i> , 2018 , 3-19	0.7	
286	Data Acquisition: Towards Optimal Use of Sensors. <i>Studies in Big Data</i> , 2018 , 7-43	0.9	

285	Why Triangular Membership Functions are Often Efficient in F-transform Applications: Relation to Probabilistic and Interval Uncertainty and to Haar Wavelets. <i>Communications in Computer and Information Science</i> , 2018 , 127-138	0.3	1
284	Fuzzy Analogues of Sets and Functions Can Be Uniquely Determined from the Corresponding Ordered Category: A Theorem. <i>Axioms</i> , 2018 , 7, 8	1.6	2
283	Publications Beyond Traditional Papers [Leaders Corner]. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2018 , 4, 40-41	1.6	
282	Why Zipf's law: a symmetry-based explanation. <i>International Mathematical Forum</i> , 2018 , 13, 255-258	4.6	3
281	Optimization Under Fuzzy Constraints: From a Heuristic Algorithm to an Algorithm that Always Converges. <i>Communications in Computer and Information Science</i> , 2018 , 3-16	0.3	2
280	Towards Foundations of Fuzzy Utility: Taking Fuzziness into Account Naturally Leads to Intuitionistic Fuzzy Degrees. <i>Communications in Computer and Information Science</i> , 2018 , 530-537	0.3	
279	Dow Theory's Peak-and-Trough Analysis Justified. <i>Studies in Systems, Decision and Control</i> , 2018 , 123-128	0.8	2
278	(Hypothetical) Negative Probabilities Can Speed Up Uncertainty Propagation Algorithms. <i>Studies in Big Data</i> , 2018 , 251-271	0.9	2
277	Current Quantum Cryptography Algorithm Is Optimal: A Proof 2018 ,		2
276	A Need to Promote Raw Ideas [Leader's Corner]. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2018 , 4, C3-C3	1.6	
275	Why Are FGM Copulas Successful? A Simple Explanation. <i>Advances in Fuzzy Systems</i> , 2018 , 2018, 1-5	1.7	9
274	A simple probabilistic explanation of term frequency-inverse document frequency (tf-idf) heuristic (and variations motivated by this explanation). <i>International Journal of General Systems</i> , 2017 , 46, 27-36	2.1	35
273	Concepts of solutions of uncertain equations with intervals, probabilities and fuzzy sets for applied tasks. <i>Granular Computing</i> , 2017 , 2, 121-130	5.4	11
272	Econometric Models of Probabilistic Choice: Beyond McFadden's Formulas. <i>Studies in Computational Intelligence</i> , 2017 , 79-87	0.8	2
271	Robustness as a Criterion for Selecting a Probability Distribution Under Uncertainty. <i>Studies in Computational Intelligence</i> , 2017 , 51-68	0.8	
270	How to Collaborate More Productively [Views]. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2016 , 2, 22-22	1.6	
269	Fifty Years of Fuzzy Sets: Contributions to Fuzzy Theory (Preface to the Special Issue). <i>International Journal of Intelligent Systems</i> , 2016 , 31, 211-214	8.4	
268	A new reconstruction from the F-transform components. <i>Fuzzy Sets and Systems</i> , 2016 , 288, 3-25	3.7	27

267	Comparison of formulations of applied tasks with intervals, fuzzy sets and probability approaches 2016,		2
266	A Multi-Objective Optimization Framework for Joint Inversion. <i>AIMS Geosciences</i> , 2016 , 2, 63-87	1.6	1
265	Fuzzy, Intuitionistic Fuzzy, What Next?. <i>Studies in Fuzziness and Soft Computing</i> , 2016 , 3-13	0.7	
264	Combining Interval and Probabilistic Uncertainty: What Is Computable?. <i>Springer Optimization and Its Applications</i> , 2016 , 13-32	0.4	1
263	Towards the Possibility of Objective Interval Uncertainty. <i>Lecture Notes in Computer Science</i> , 2016 , 54-65o.9		
262	Need for Most Accurate Discrete Approximations Explains Effectiveness of Statistical Methods Based on Heavy-Tailed Distributions. <i>Lecture Notes in Computer Science</i> , 2016 , 523-531	0.9	
261	Adjoint Fuzzy Partition and Generalized Sampling Theorem. <i>Communications in Computer and Information Science</i> , 2016 , 459-469	0.3	
260	Need for Data Processing Naturally Leads to Fuzzy Logic (and Neural Networks): Fuzzy Beyond Experts and Beyond Probabilities. <i>International Journal of Intelligent Systems</i> , 2016 , 31, 276-293	8.4	3
259	From Conference Papers to Journal Papers: Challenges and New Ideas [Leader's Corner]. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2016 , 2, 54-55	1.6	1
258	Why β -methods in signal and image processing: A fuzzy-based explanation 2016,		1
257	Rotation-invariance can further improve state-of-the-art blind deconvolution techniques 2016,		1
256	Constructive Mathematics in St. Petersburg, Russia: A (Somewhat Subjective) View from Within. <i>Studies in Universal Logic</i> , 2016 , 205-236	0.2	1
255	Solving equations (and systems of equations) under uncertainty: how different practical problems lead to different mathematical and computational formulations. <i>Granular Computing</i> , 2016 , 1, 171-179	5.4	39
254	Systematic Statistical Approach to Populate Missing Performance Data in Pavement Management Systems. <i>Journal of Infrastructure Systems</i> , 2015 , 21, 04015002	2.9	9
253	Propagation of Interval and Probabilistic Uncertainty in Cyberinfrastructure-related Data Processing and Data Fusion. <i>Studies in Systems, Decision and Control</i> , 2015,	0.8	2
252	Necessary and sufficient conditions for generalized uniform fuzzy partitions. <i>Fuzzy Sets and Systems</i> , 2015 , 277, 97-121	3.7	22
251	Algorithmic Aspects of Analysis, Prediction, and Control in Science and Engineering. <i>Studies in Systems, Decision and Control</i> , 2015,	0.8	1
250	Sometimes, it is beneficial to process different types of uncertainty separately 2015,		1

249	Why Lattice-valued fuzzy values? A mathematical justification. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015 , 29, 1421-1425	1.6	2
248	50 Years of fuzzy: from discrete to continuous to \mathbb{W} Where?. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015 , 29, 989-1009	1.6	0
247	Why Sugeno \mathbb{E} measures 2015 ,		2
246	Norbert Wiener Panel Session at SMC 2014 [Conference Reports]. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2015 , 1, 12-13	1.6	
245	Publications Beyond Papers: The Future Is Now Supplements Are the Key to Better Understanding. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2015 , 1, 54-55	1.6	
244	Fuzzy (and Interval) Techniques in the Age of Big Data: An Overview with Applications to Environmental Science, Geosciences, Engineering, and Medicine. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2015 , 23, 75-89	0.8	11
243	Why Fuzzy Cognitive Maps Are Efficient. <i>International Journal of Computers, Communications and Control</i> , 2015 , 10, 65	3.6	3
242	Granularity Helps Explain Seemingly Irrational Features of Human Decision Making. <i>Studies in Big Data</i> , 2015 , 1-31	0.9	4
241	2014 ,		4
240	Filtering out high frequencies in time series using F-transform. <i>Information Sciences</i> , 2014 , 274, 192-209	7.7	47
239	How to Fully Represent Expert Information about Imprecise Properties in a Computer System - Random Sets, Fuzzy Sets, and Beyond: An Overview. <i>International Journal of General Systems</i> , 2014 , 43, 586-609	2.1	10
238	Using Symmetries (Beyond Geometric Symmetries) in Chemical Computations: Computing Parameters of Multiple Binding Sites. <i>Symmetry</i> , 2014 , 6, 90-102	2.7	
237	If we take into account that constraints are soft, then processing constraints becomes algorithmically solvable 2014 ,		2
236	Decision Making Under Interval Uncertainty (and Beyond). <i>Studies in Computational Intelligence</i> , 2014 , 163-193	0.8	37
235	Computing Covariance and Correlation in Optimally Privacy-Protected Statistical Databases: Feasible Algorithms. <i>Studies in Fuzziness and Soft Computing</i> , 2014 , 373-382	0.7	
234	Interval or moments: which carry more information?. <i>Soft Computing</i> , 2013 , 17, 1319-1327	3.5	11
233	Orders on intervals over partially ordered sets: extending Allen's algebra and interval graph results. <i>Soft Computing</i> , 2013 , 17, 1379-1391	3.5	2
232	Likert-scale fuzzy uncertainty from a traditional decision making viewpoint: It incorporates both subjective probabilities and utility information 2013 ,		3

231	Data anonymization that leads to the most accurate estimates of statistical characteristics 2013 ,		2
230	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
229	All Kinds of Behavior are Possible in Chemical Kinetics: A Theorem and its Potential Applications to Chemical Computing 2013 , 237-258		1
228	Imprecise probabilities in engineering analyses. <i>Mechanical Systems and Signal Processing</i> , 2013 , 37, 4-29-7.8		264
227	Estimating correlation under interval uncertainty. <i>Mechanical Systems and Signal Processing</i> , 2013 , 37, 43-53	7.8	7
226	Picture fuzzy sets - A new concept for computational intelligence problems 2013 ,		170
225	Towards fast and accurate algorithms for processing fuzzy data: interval computations revisited. <i>International Journal of General Systems</i> , 2013 , 42, 197-223	2.1	1
224	Validated templates for specification of complex LTL formulas. <i>Journal of Systems and Software</i> , 2012 , 85, 1915-1929	3.3	12
223	Uniqueness of reconstruction for Yager's t-norm combination of probabilistic and possibilistic knowledge. <i>International Journal of Intelligent Systems</i> , 2012 , 27, 16-22	8.4	1
222	Towards interval techniques for model validation. <i>Computing (Vienna/New York)</i> , 2012 , 94, 257-269	2.2	1
221	Efficient algorithms for heavy-tail analysis under interval uncertainty. <i>Annals of Operations Research</i> , 2012 , 195, 73-96	3.2	3
220	Reconstructing an Open Order from Its Closure, with Applications to Space-Time Physics and to Logic. <i>Studia Logica</i> , 2012 , 100, 419-435	0.7	2
219	How to divide students into groups so as to optimize learning: Towards a solution to a pedagogy-related optimization problem 2012 ,		1
218	Towards Symmetry-Based Explanation of (Approximate) Shapes of Alpha-Helices and Beta-Sheets (and Beta-Barrels) in Protein Structure. <i>Symmetry</i> , 2012 , 4, 15-25	2.7	2
217	Assessment of functional impairment in human locomotion: A fuzzy-motivated approach 2012 ,		1
216	Scale-invariant approach to multi-criterion optimisation under uncertainty, with applications to optimal sensor placement, in particular, to sensor placement in environmental research. <i>International Journal of Reliability and Safety</i> , 2012 , 6, 188	0.9	2
215	Towards optimal effort distribution in process design under uncertainty, with application to education. <i>International Journal of Reliability and Safety</i> , 2012 , 6, 148	0.9	4
214	Model fusion under probabilistic and interval uncertainty, with application to Earth sciences. <i>International Journal of Reliability and Safety</i> , 2012 , 6, 167	0.9	6

213	Computing Statistics under Interval and Fuzzy Uncertainty. <i>Studies in Computational Intelligence</i> , 2012 ,	0.8	55
212	From processing interval-valued fuzzy data to general type-2: Towards fast algorithms 2011 ,		2
211	Engineering Design under Imprecise Probabilities: Computational Complexity. <i>Cubo</i> , 2011 , 13, 103-123	1.5	
210	Towards an (Even More) Natural Probabilistic Interpretation of Fuzzy Transforms (and of Fuzzy Modeling). <i>Advances in Fuzzy Systems</i> , 2011 , 2011, 1-9	1.7	
209	Why Fuzzy Transform Is Efficient in Large-Scale Prediction Problems: A Theoretical Explanation. <i>Advances in Fuzzy Systems</i> , 2011 , 2011, 1-5	1.7	1
208	ANALYSIS OF INFORMATION AND COMPUTATION IN PHYSICS EXPLAINS COGNITIVE PARADIGMS: FROM FULL COGNITION TO LAPLACE DETERMINISM TO STATISTICAL DETERMINISM TO MODERN APPROACH 2011 , 203-223		
207	Fundamental physical equations can be derived by applying fuzzy methodology to informal physical ideas 2011 ,		1
206	Square root of BotÅa major difference between fuzzy and quantum logics. <i>International Journal of General Systems</i> , 2011 , 40, 111-127	2.1	5
205	Fuzzy transforms of higher order approximate derivatives: A theorem. <i>Fuzzy Sets and Systems</i> , 2011 , 180, 55-68	3.7	29
204	Quantum computation techniques for gauging reliability of interval and fuzzy data. <i>International Journal of General Systems</i> , 2011 , 40, 99-109	2.1	3
203	How to define a confidence set for functions: a new justification of the area method. <i>International Journal of General Systems</i> , 2011 , 40, 727-739	2.1	
202	Processing interval sensor data in the presence of outliers, with potential applications to localizing underwater robots 2011 ,		1
201	No-Free-Lunch Result for Interval and Fuzzy Computing: When Bounds Are Unusually Good, Their Computation Is Unusually Slow. <i>Lecture Notes in Computer Science</i> , 2011 , 13-23	0.9	
200	Estimating Probability of Failure of a Complex System Based on Inexact Information about Subsystems and Components, with Potential Applications to Aircraft Maintenance. <i>Lecture Notes in Computer Science</i> , 2011 , 70-81	0.9	
199	Measurement's Result and its Error as Fuzzy Variables: Background and Perspectives. <i>Key Engineering Materials</i> , 2010 , 437, 487-491	0.4	
198	Towards improved trapezoidal approximation to intersection (fusion) of trapezoidal fuzzy numbers: Specific procedure and general non-associativity theorem 2010 ,		1
197	Estimating information amount under uncertainty: algorithmic solvability and computational complexity. <i>International Journal of General Systems</i> , 2010 , 39, 349-378	2.1	2
196	How to relate fuzzy and OWA estimates 2010 ,		2

195	Extending maximum entropy techniques to entropy constraints 2010 ,		1
194	Fast convolution and Fast Fourier Transform under interval and fuzzy uncertainty. <i>Journal of Computer and System Sciences</i> , 2010 , 76, 63-76	1	15
193	How AI-Type Uncertainty Ideas Can Improve Inter-Disciplinary Collaboration and Education: Lessons from a Case Study. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , 2010 , 14, 700-707	0.4	5
192	Metritzation Theorem for Space-Times: From Urysohn's Problem towards Physically Useful Constructive Mathematics. <i>Lecture Notes in Computer Science</i> , 2010 , 470-487	0.9	
191	Decision making beyond arrow's impossibility theorem, with the analysis of effects of collusion and mutual attraction. <i>International Journal of Intelligent Systems</i> , 2009 , 24, 27-47	8.4	45
190	Decision science: Foundations and applications introduction to the special issue. <i>International Journal of Intelligent Systems</i> , 2009 , 24, 1-3	8.4	1
189	Logit discrete choice model: a new distribution-free justification. <i>Soft Computing</i> , 2009 , 13, 133-137	3.5	
188	Trade-off between sample size and accuracy: Case of measurements under interval uncertainty. <i>International Journal of Approximate Reasoning</i> , 2009 , 50, 1164-1176	3.6	6
187	On Decision Making under Interval Uncertainty: A New Justification of Hurwicz Optimism-Pessimism Approach and its Use in Group Decision Making 2009 ,		7
186	Intelligence techniques are needed to further enhance the advantage of groups with diversity in problem solving 2009 ,		7
185	What is the best way to distribute efforts among students: Towards quantitative approach to human cognition 2009 ,		3
184	Astronomical tests of relativity: beyond parameterized post-Newtonian formalism (PPN), to testing fundamental principles. <i>Proceedings of the International Astronomical Union</i> , 2009 , 5, 56-61	0.1	1
183	Random Fuzzy Sets 2009 , 18-44		1
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