Lotfi A Zadeh

List of Publications by Year
in descending order

71 papers	17,051 citations	186265 28 h-index	144013 57 g-index
73 all docs	73 docs citations	73 times ranked	7324 citing authors

#	Article	IF	Citations
1	Abstract Intelligence. , 2020, , 52-69.		0
2	Cognitive Intelligence. , 2020, , 1500-1523.		0
3	Preliminary Draft Notes on a Similarity-Based Analysis of Time-Series with Applications to Prediction, Decision and Diagnostics. International Journal of Intelligent Systems, 2019, 34, 107-113.	5.7	8
4	Abstract Intelligence. International Journal of Cognitive Informatics and Natural Intelligence, 2017, 11, 1-15.	0.4	27
5	Cognitive Intelligence. International Journal of Cognitive Informatics and Natural Intelligence, 2016, 10, 1-20.	0.4	61
6	A Very Simple Formula for Aggregation and Multicriteria Optimization. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2016, 24, 961-962.	1.9	9
7	Fuzzy logic—a personal perspective. Fuzzy Sets and Systems, 2015, 281, 4-20.	2.7	237
8	Fuzzy-Based Techniques in Human-Like Processing of Social Network Data. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2015, 23, 1-14.	1.9	21
9	The Information Principle. Information Sciences, 2015, 294, 540-549.	6.9	22
10	A note on similarity-based definitions of possibility and probability. Information Sciences, 2014, 267, 334-336.	6.9	39
11	Toward a restriction-centered theory of truth and meaning (RCT). Information Sciences, 2013, 248, 1-14.	6.9	28
12	Toward a restriction-centered theory of truth and meaning (RCT). , 2013, , .		2
13	Outline of a restriction-centered theory of reasoning and computation in an environment of uncertainty and imprecision. , 2012, , .		2
14	A Note on Z-numbers. Information Sciences, 2011, 181, 2923-2932.	6.9	892
15	Generalized Theory of Uncertainty: Principal Concepts and Ideas. , 2011, , 104-150.		10
16	Foreword to the Special Section on Computing With Words. IEEE Transactions on Fuzzy Systems, 2010, 18, 437-440.	9.8	24
17	A Doctrine of Cognitive Informatics (CI). Fundamenta Informaticae, 2009, 90, 203-228.	0.4	91
18	Toward extended fuzzy logic—A first step. Fuzzy Sets and Systems, 2009, 160, 3175-3181.	2.7	168

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19	Is there a need for fuzzy logic?. Information Sciences, 2008, 178, 2751-2779.	6.9	1,000
20	Precisiated Natural Language. , 2007, , 33-59.		24
21	Toward Human-Level Machine Intelligence. , 2006, , .		4
22	DNA Algorithm of Image Recognition and its Application. , 2006, , .		3
23	Generalized theory of uncertainty (GTU)â€"principal concepts and ideas. Computational Statistics and Data Analysis, 2006, 51, 15-46.	1.2	287
24	Chapter 9 From search engines to question answering systems â€" The problems of world knowledge, relevance, deduction and precisiation. Capturing Intelligence, 2006, 1, 163-210.	1.5	65
25	From imprecise to granular probabilities. Fuzzy Sets and Systems, 2005, 154, 370-374.	2.7	66
26	Toward a generalized theory of uncertainty (GTU)â€"â€"an outline. Information Sciences, 2005, 172, 1-40.	6.9	920
27	Special issue on granular computing and data mining. International Journal of Intelligent Systems, 2004, 19, 565-566.	5.7	25
28	A note on web intelligence, world knowledge and fuzzy logic. Data and Knowledge Engineering, 2004, 50, 291-304.	3.4	85
29	Toward a perception-based theory of probabilistic reasoning with imprecise probabilities. , 2003, , 3-34.		3
30	Toward a perception-based theory of probabilistic reasoning with imprecise probabilities. Journal of Statistical Planning and Inference, 2002, 105, 233-264.	0.6	312
31	Toward a Perception-Based Theory of Probabilistic Reasoning with Imprecise Probabilities. Advances in Intelligent and Soft Computing, 2002, , 27-61.	0.2	5
32	Some Reflections on Information Granulation and its Centrality in Granular Computing, Computing with Words, the Computational Theory of Perceptions and Precisiated Natural Language. Studies in Fuzziness and Soft Computing, 2002, , 3-20.	0.8	33
33	From Computing with Numbers to Computing with Words: From Manipulation of Measurements to Manipulation of Perceptions. Studies in Fuzziness and Soft Computing, 2002, , 81-117.	0.8	29
34	A New Direction in AI Toward a Computational Theory of Perceptions. Studies in Fuzziness and Soft Computing, 2002, , 3-20.	0.8	15
35	From computing with numbers to computing with wordsâ€"from manipulation of measurements to manipulation of perceptions. AIP Conference Proceedings, 2001, , .	0.4	20
36	From Computing with Numbers to Computing with Words. Annals of the New York Academy of Sciences, 2001, 929, 221-252.	3.8	28

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37	From Computing with Numbers to Computing with Wordsâ€"From Manipulation of Measurements to Manipulation of Perceptions. Lecture Notes in Computer Science, 2000, , 3-40.	1.3	16
38	From Computing with Numbers to Computing with Words â€" From Manipulation of Measurements to Manipulation of Perceptions. , 2000, , 3-37.		7
39	Toward a theory of fuzzy information granulation and its centrality in human reasoning and fuzzy logic. Fuzzy Sets and Systems, 1997, 90, 111-127.	2.7	2,465
40	On the Analysis of Large-Scale Systems. Advances in Fuzzy Systems, 1996, , 195-209.	8.7	10
41	FUZZY SETS. Advances in Fuzzy Systems, 1996, , 394-432.	8.7	465
42	FUZZY SYSTEMS THEORY: A Framework for the Analysis of Humanistic Systems. Advances in Fuzzy Systems, 1996, , 464-480.	8.7	0
43	FUZZY PROBABILITIES. Advances in Fuzzy Systems, 1996, , 643-652.	8.7	2
44	A Simple View of the Dempster-Shafer Theory of Evidence and its Implication for the Rule of Combination. Advances in Fuzzy Systems, 1996, , 674-679.	8.7	33
45	A Computational Theory of Dispositions. Advances in Fuzzy Systems, 1996, , 713-737.	8.7	2
46	Fuzzy Sets, Usuality and Commonsense Reasoning. Advances in Fuzzy Systems, 1996, , 738-758.	8.7	0
47	Knowledge Representation in Fuzzy Logic. Advances in Fuzzy Systems, 1996, , 764-774.	8.7	6
48	Fuzzy Logic, Neural Networks, and Soft Computing. Advances in Fuzzy Systems, 1996, , 775-782.	8.7	39
49	The role of fuzzy logic in modeling, identification and control. Advances in Fuzzy Systems, 1996, , 783-795.	8.7	11
50	Discussion: Probability Theory and Fuzzy Logic Are Complementary Rather Than Competitive. Advances in Fuzzy Systems, 1996, , 805-810.	8.7	6
51	The Birth and Evolution of Fuzzy Logic (FL), Soft Computing (SC) and Computing with Words (CW): A Personal Perspective. Advances in Fuzzy Systems, 1996, , 811-819.	8.7	5
52	Title is missing!. Journal of Japan Society for Fuzzy Theory and Systems, 1995, 7, 760-761.	0.0	0
53	Discussion: Probability Theory and Fuzzy Logic Are Complementary Rather Than Competitive. Technometrics, 1995, 37, 271-276.	1.9	206
54	Discussion: Probability Theory and Fuzzy Logic Are Complementary Rather Than Competitive. Technometrics, 1995, 37, 271.	1.9	62

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55	FUZZY CONTROL, FUZZY GRAPHS, AND FUZZY INFERENCE. , 1995, , 1-9.		3
56	Fuzzy logic, neural networks, and soft computing. Communications of the ACM, 1994, 37, 77-84.	4.5	1,307
57	Foreword: Fuzzy logic. Journal of Intelligent Information Systems, 1993, 2, 309-310.	3.9	3
58	FUZZY SETS AND SYSTEMS*. International Journal of General Systems, 1990, 17, 129-138.	2.5	99
59	THE BIRTH AND EVOLUTION OF FUZZY LOGIC*. International Journal of General Systems, 1990, 17, 95-105.	2.5	69
60	Mind over Machine: The Power of Human Intuition and Expertise in the Era of the Computer. IEEE Intelligent Systems, 1987, 2, 110-111.	1.0	503
61	Outline of a New Approach to the Analysis of Complex Systems and Decision Processes. IEEE Transactions on Systems, Man, and Cybernetics, 1973, SMC-3, 28-44.	0.9	6,768
62	Impact of Computers on the Orientation of Electrical Engineering Curricula. IEEE Transactions on Education, 1971, 14, 153-157.	2.4	4
63	On the theory of filtration of signals. Zeitschrift Fur Angewandte Mathematik Und Physik, 1952, 3, 149-156.	1.4	3
64	Time-Dependent Heaviside Operators. Journal of Mathematics and Physics, 1951, 30, 73-78.	0.4	7
65	Initial Conditions in Linear Varyingâ€Parameter Systems. Journal of Applied Physics, 1951, 22, 782-786.	2.5	12
66	On Stability of Linear Varyingâ€Parameter Systems. Journal of Applied Physics, 1951, 22, 402-405.	2.5	32
67	An Extension of Wiener's Theory of Prediction. Journal of Applied Physics, 1950, 21, 645-655.	2.5	231
68	The Determination of the Impulsive Response of Variable Networks. Journal of Applied Physics, 1950, 21, 642-645.	2.5	44
69	Circuit Analysis of Linear Varyingâ€Parameter Networks. Journal of Applied Physics, 1950, 21, 1171-1177.	2.5	33
70	Probability Criterion for the Design of Servomechanisms. Journal of Applied Physics, 1949, 20, 141-144.	2.5	6
71	On the System Algebra Foundations for Granular Computing. , 0, , 98-121.		4