

# Surajit Borkotokey

## List of Publications by Year in descending order

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52  
papers

460  
citations

1040056

9  
h-index

752698

20  
g-index

56  
all docs

56  
docs citations

56  
times ranked

192  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregation Under Uncertainty. IEEE Transactions on Fuzzy Systems, 2018, 26, 2475-2478.	9.8	68
2	Certainty aggregation and the certainty fuzzy measures. International Journal of Intelligent Systems, 2018, 33, 759-770.	5.7	60
3	Cooperative games with fuzzy coalitions and fuzzy characteristic functions. Fuzzy Sets and Systems, 2008, 159, 138-151.	2.7	58
4	Aggregation functions and capacities. Fuzzy Sets and Systems, 2018, 346, 138-146.	2.7	38
5	The Shapley value of cooperative games under fuzzy settings: a survey. International Journal of General Systems, 2014, 43, 75-95.	2.5	23
6	Discrete Choquet Integrals for Riemann Integrable Inputs With Some Applications. IEEE Transactions on Fuzzy Systems, 2018, 26, 3164-3169.	9.8	17
7	The Egalitarian Shapley value: a generalization based on coalition sizes. Annals of Operations Research, 2021, 301, 55-63.	4.1	14
8	Weight Vector Generation in Multi-Criteria Decision-Making with Basic Uncertain Information. Mathematics, 2022, 10, 572.	2.2	12
9	A solution concept for network games: The role of multilateral interactions. European Journal of Operational Research, 2015, 243, 912-920.	5.7	11
10	Interval neutrosophic hesitant fuzzy Einstein Choquet integral operator for multicriteria decision making. Artificial Intelligence Review, 2020, 53, 2171-2206.	15.7	10
11	Dynamic resource allocation in fuzzy coalitions: a game theoretic model. Fuzzy Optimization and Decision Making, 2014, 13, 211-230.	5.5	9
12	Group contributions in TU-games: A class of k-lateral Shapley values. European Journal of Operational Research, 2020, 286, 637-648.	5.7	9
13	Bi-cooperative games with fuzzy bi-coalitions. Fuzzy Sets and Systems, 2012, 198, 46-58.	2.7	8
14	Fuzzy Bi-cooperative games in multilinear extension form. Fuzzy Sets and Systems, 2015, 259, 44-55.	2.7	8
15	Characterizations of the possibility-probability transformations and some applications. Information Sciences, 2019, 477, 281-290.	6.9	8
16	Generalized phi-transformations of aggregation functions. Fuzzy Sets and Systems, 2019, 372, 124-141.	2.7	8
17	Event-based transformations of capacities and invariantness. Soft Computing, 2018, 22, 6291-6297.	3.6	7
18	Interval neutrosophic hesitant fuzzy choquet integral in multicriteria decision making. Journal of Intelligent and Fuzzy Systems, 2018, 35, 3213-3231.	1.4	7

#	ARTICLE	IF	CITATIONS
19	Loss Aversion Equilibrium of Bimatrix Games with Symmetric Triangular Fuzzy Payoffs. International Journal of Fuzzy Systems, 2019, 21, 892-907.	4.0	7
20	Allocating Profit Among Rational Players in a Fuzzy Coalition: A Game Theoretic Model. Group Decision and Negotiation, 2012, 21, 439-459.	3.3	6
21	Evaluation of Content Compaction in Assamese Language. Procedia Computer Science, 2020, 171, 2275-2284.	2.0	6
22	A Survey of Player-based and Link-based Allocation Rules for Network Games. Studies in Microeconomics, 2014, 2, 5-26.	0.6	5
23	Cooperative games with multiple attributes. International Journal of General Systems, 2019, 48, 825-842.	2.5	5
24	A Novel Approach of Text Summarization using Assamese WordNet. , 2019, , .		4
25	Ordered Weighted Sum in infinite sequences environment with applications. Journal of Intelligent and Fuzzy Systems, 2019, 36, 2787-2792.	1.4	4
26	The role of the non-productive players in cooperative games with transferable utilities: a survey. International Journal of General Systems, 2021, 50, 527-547.	2.5	4
27	Aggregation Functions, Similarity and Fuzzy Measures. Advances in Intelligent Systems and Computing, 2018, , 223-228.	0.6	4
28	Text Summarization in Indian Languages: A Critical Review. , 2019, , .		3
29	The extended Shapley value for generalized cooperative games under precedence constraints. Operational Research, 2020, 20, 899-925.	2.0	3
30	New transformations of aggregation functions based on monotone systems of functions. International Journal of Approximate Reasoning, 2020, 118, 79-95.	3.3	3
31	Solidarity induced by group contributions: the $MI^k$ -value for transferable utility games. Operational Research, 2022, 22, 1267-1290.	2.0	3
32	Comprehensive Interval-Induced Weights Allocation with Bipolar Preference in Multi-Criteria Evaluation. Mathematics, 2021, 9, 2002.	2.2	3
33	A multilinear extension of a class of fuzzy bi-cooperative games. Journal of Intelligent and Fuzzy Systems, 2015, 28, 681-691.	1.4	2
34	Bi-cooperative games in bipolar fuzzy settings. International Journal of General Systems, 2018, 47, 51-66.	2.5	2
35	Bi-cooperative network games: A link-based allocation rule. International Journal of Economic Theory, 2018, 14, 103-128.	0.6	2
36	Network Games: The Cooperative Approach. , 2019, , 429-458.		2

#	ARTICLE	IF	CITATIONS
37	Generalized phi-transformations and $n$ -uniforms. , 2019, , .		2
38	Identifying the Salient Genes in Microarray Data: A Novel Game Theoretic Model for the Co-Expression Network. Diagnostics, 2020, 10, 586.	2.6	2
39	Probabilistic network values. Mathematical Social Sciences, 2021, 113, 169-180.	0.5	2
40	Möbius product-based constructions of aggregation functions. Fuzzy Sets and Systems, 2022, , .	2.7	2
41	A Coalition Formation Game for Cooperative Spectrum Sensing in Cognitive Radio Network under the Constraint of Overhead. , 2021, 13, .		2
42	Event-Based Transformations of Capacities. Lecture Notes in Computer Science, 2017, , 33-39.	1.3	1
43	Selfish Avoidance Payoff Allocation in Mobile Ad Hoc Network. , 2018, , .		1
44	A Simplified Expression of Share Functions for Cooperative Games with Fuzzy Coalitions. Tatra Mountains Mathematical Publications, 2017, 69, 19-34.	0.2	1
45	Probabilistic Network Values. SSRN Electronic Journal, 0, , .	0.4	1
46	Neo Arithmetic and Ranking Techniques for Trapezoidal Generalized Interval Valued Fuzzy Numbers: Their Applications in Decision Making for Medical Investigation. Neural Processing Letters, 2022, 54, 3045-3096.	3.2	1
47	Role of satisfaction in resource accumulation and profit allocation: A fuzzy game theoretic model. , 2013, , .		0
48	Introduction to the Special Issue on Computational and Empirical Issues in Network Analysis. Studies in Microeconomics, 2015, 3, 75-76.	0.6	0
49	Simultaneous Resource Accumulation and Payoff Allocation: A Cooperative Fuzzy Game Approach. Advances in Fuzzy Systems, 2018, 2018, 1-13.	0.9	0
50	Solidarity Value and Solidarity Share Functions for TU Fuzzy Games. Advances in Fuzzy Systems, 2018, 2018, 1-9.	0.9	0
51	Multilateral Interactions and Isolation in Middlemen-Driven Network Games. , 2019, , 163-181.		0
52	Consolidating Marginalism and Egalitarianism: A New Value for Transferable Utility Games. SSRN Electronic Journal, 0, , .	0.4	0