

David Rios Insua

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

1,969
citations

331259

21
h-index

301761

39
g-index

121
all docs

121
docs citations

121
times ranked

1182
citing authors

#	ARTICLE	IF	CITATIONS
1	Decision support issues in automated driving systems. <i>International Transactions in Operational Research</i> , 2023, 30, 1216-1244.	1.8	13
2	Augmented probability simulation methods for sequential games. <i>European Journal of Operational Research</i> , 2023, 306, 418-430.	3.5	4
3	Adversarial risk analysis: An overview. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2022, 14, e1530.	2.1	10
4	Learning the Rules of the Game: An Interpretable AI for Learning How to Play. <i>IEEE Transactions on Games</i> , 2022, 14, 253-261.	1.2	0
5	Joint association of physical activity and body mass index with cardiovascular risk: a nationwide population-based cross-sectional study. <i>European Journal of Preventive Cardiology</i> , 2022, 29, e50-e52.	0.8	22
6	Modeling Ethical and Operational Preferences in Automated Driving Systems. <i>Decision Analysis</i> , 2022, 19, 21-43.	1.2	4
7	Current Advances in Neural Networks. <i>Annual Review of Statistics and Its Application</i> , 2022, 9, 197-222.	4.1	8
8	An Adversarial Risk Analysis Framework for Cybersecurity. <i>Risk Analysis</i> , 2021, 41, 16-36.	1.5	37
9	Insider Threat Modeling: An Adversarial Risk Analysis Approach. <i>IEEE Transactions on Information Forensics and Security</i> , 2021, 16, 1131-1142.	4.5	19
10	Adversarial Risk Analysis as a Decomposition Method for Structured Expert Judgement Modelling. <i>Profiles in Operations Research</i> , 2021, , 179-196.	0.3	2
11	Variationally Inferred Sampling through a Refined Bound. <i>Entropy</i> , 2021, 23, 123.	1.1	4
12	An Adversarial Risk Analysis Framework for Batch Acceptance Problems. <i>Decision Analysis</i> , 2021, 18, 25-40.	1.2	3
13	AI in drug development: a multidisciplinary perspective. <i>Molecular Diversity</i> , 2021, 25, 1461-1479.	2.1	22
14	Association between physical activity and cardiovascular risk factors: Dose and sex matter. <i>Journal of Sport and Health Science</i> , 2021, 10, 604-606.	3.3	11
15	Competition and cooperation in a community of autonomous agents. <i>Autonomous Robots</i> , 2020, 44, 533-546.	3.2	2
16	Advances in Bayesian decision making in reliability. <i>European Journal of Operational Research</i> , 2020, 282, 1-18.	3.5	26
17	Spatial risk assessment in case of multiple nuclear release scenarios. <i>Socio-Economic Planning Sciences</i> , 2020, 70, 100721.	2.5	2
18	An affective decision-making model with applications to social robotics. <i>EURO Journal on Decision Processes</i> , 2020, 8, 13-39.	1.8	5

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19	Perspectives on Adversarial Classification. <i>Mathematics</i> , 2020, 8, 1957.	1.1	4
20	Protecting From Malware Obfuscation Attacks Through Adversarial Risk Analysis. <i>Risk Analysis</i> , 2020, 40, 2598-2609.	1.5	2
21	Group Decision Making with Affective Features. <i>Group Decision and Negotiation</i> , 2020, 29, 843-869.	2.0	3
22	Assessing and Forecasting Cybersecurity Impacts. <i>Decision Analysis</i> , 2020, 17, 356-374.	1.2	24
23	Safer Skies over Spain. <i>Interfaces</i> , 2020, 50, 21-36.	1.6	2
24	Adversarial risk analysis under partial information. <i>European Journal of Operational Research</i> , 2020, 287, 306-316.	3.5	13
25	Forecasting and assessing consequences of aviation safety occurrences. <i>Safety Science</i> , 2019, 111, 243-252.	2.6	26
26	Adversarial classification: An adversarial risk analysis approach. <i>International Journal of Approximate Reasoning</i> , 2019, 113, 133-148.	1.9	22
27	Special issue of ASMBI for GDDR 2017. <i>Applied Stochastic Models in Business and Industry</i> , 2019, 35, 398-398.	0.9	1
28	Bayesian Network for Managing Runway Overruns in Aviation Safety. <i>Journal of Aerospace Information Systems</i> , 2019, 16, 546-558.	1.0	10
29	Large-scale automated forecasting for network safety and security monitoring. <i>Applied Stochastic Models in Business and Industry</i> , 2019, 35, 431-447.	0.9	2
30	Adversarial risk analysis for bi-agent influence diagrams: An algorithmic approach. <i>European Journal of Operational Research</i> , 2019, 273, 1085-1096.	3.5	15
31	A Model for an Affective Non-Expensive Utility-Based Decision Agent. <i>IEEE Transactions on Affective Computing</i> , 2019, 10, 498-509.	5.7	12
32	GIRA: a general model for incident risk analysis. <i>Journal of Risk Research</i> , 2019, 22, 191-208.	1.4	2
33	Gradient Methods for Solving Stackelberg Games. <i>Lecture Notes in Computer Science</i> , 2019, , 126-140.	1.0	2
34	Critical networked infrastructure protection from adversaries. <i>Reliability Engineering and System Safety</i> , 2018, 179, 27-36.	5.1	9
35	Adversarial issues in reliability. <i>European Journal of Operational Research</i> , 2018, 266, 1113-1119.	3.5	3
36	Utility Elicitation. <i>Profiles in Operations Research</i> , 2018, , 241-264.	0.3	10

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37	Concept Uncertainty in Adversarial Statistical Decision Theory. <i>Studies in Systems, Decision and Control</i> , 2018, , 527-542.	0.8	1
38	Security economics: an adversarial risk analysis approach to airport protection. <i>Annals of Operations Research</i> , 2016, 245, 359-378.	2.6	9
39	Modeling Opponents in Adversarial Risk Analysis. <i>Risk Analysis</i> , 2016, 36, 742-755.	1.5	27
40	Multithreat multisite protection: A security case study. <i>European Journal of Operational Research</i> , 2016, 252, 888-899.	3.5	10
41	Robustness for Adversarial Risk Analysis. <i>Profiles in Operations Research</i> , 2016, , 39-58.	0.3	8
42	Adversarial Risk Analysis for Urban Security Resource Allocation. <i>Risk Analysis</i> , 2016, 36, 727-741.	1.5	12
43	Policy analysis and policy analytics. <i>Annals of Operations Research</i> , 2016, 236, 1-13.	2.6	59
44	Risk Analysis for Unintentional Slide Deployment During Airline Operations. <i>Risk Analysis</i> , 2015, 35, 1652-1662.	1.5	4
45	Uncertainty and robustness in planning and decision-making. <i>International Journal of Systems Science</i> , 2014, 45, 1-2.	3.7	12
46	SUPPORTING AN AUTONOMOUS SOCIAL AGENT WITHIN A COMPETITIVE ENVIRONMENT. <i>Cybernetics and Systems</i> , 2014, 45, 241-253.	1.6	9
47	To Fuel or Not to Fuel? Is that the Question?. <i>Journal of the American Statistical Association</i> , 2014, 109, 465-476.	1.8	12
48	MULTIOBJECTIVE DECISION SUPPORT FOR THE KWANZA RIVER MANAGEMENT. <i>International Journal of Information Technology and Decision Making</i> , 2013, 12, 999-1020.	2.3	1
49	An Adversarial Risk Analysis Model for an Autonomous Imperfect Decision Agent. <i>Studies in Computational Intelligence</i> , 2013, , 163-187.	0.7	9
50	Designing Autonomous Social Agents under the Adversarial Risk Analysis Framework. <i>Communications in Computer and Information Science</i> , 2013, , 292-303.	0.4	0
51	Adversarial Risk Analysis: The Somali Pirates Case. <i>Decision Analysis</i> , 2012, 9, 86-95.	1.2	41
52	Dealing with uncertainty in Decision Support Systems: Recent trends (2000â€“2011). <i>Intelligent Decision Technologies</i> , 2012, 6, 245-264.	0.6	8
53	Costâ€“efficient equitable water distribution in Algeria: a bicriteria fair division problem with network constraints. <i>International Transactions in Operational Research</i> , 2012, 19, 675-693.	1.8	6
54	Special issue on intelligent technologies for planning and decision making under uncertainty. <i>Intelligent Decision Technologies</i> , 2012, 6, 243-244.	0.6	1

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55	Adversarial Risk Analysis for Counterterrorism Modeling. Risk Analysis, 2012, 32, 894-915.	1.5	77
56	A Framework for Innovation Management. Profiles in Operations Research, 2011, , 167-185.	0.3	0
57	Bayesian Reliability, Availability, and Maintainability Analysis for Hardware Systems Described Through Continuous Time Markov Chains. Technometrics, 2010, 52, 324-334.	1.3	7
58	Balanced increment and concession methods for negotiation support. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2010, 104, 41-56.	0.6	5
59	e-Democracy: A Group Decision and Negotiation-Oriented Overview. Advances in Group Decision and Negotiation, 2010, , 1-12.	0.1	3
60	Participatory Processes and Instruments. Advances in Group Decision and Negotiation, 2010, , 31-45.	0.1	7
61	Collaborative Decision Analysis and e-Democracy. Advances in Group Decision and Negotiation, 2010, , 83-99.	0.1	2
62	e-Democracy: The Road Ahead. Advances in Group Decision and Negotiation, 2010, , 345-358.	0.1	1
63	MÃ©todos de incrementos y concesiones equilibradas para el apoyo de negociaciones. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2010, 104, 41-56.	0.6	2
64	Supporting Negotiations over Influence Diagrams. Decision Analysis, 2009, 6, 153-171.	1.2	11
65	A framework for participatory decision support using Pareto frontier visualization, goal identification and arbitration. European Journal of Operational Research, 2009, 199, 459-467.	3.5	41
66	Adversarial Risk Analysis. Journal of the American Statistical Association, 2009, 104, 841-854.	1.8	168
67	Adversarial Risk Analysis: Applications to Basic Counterterrorism Models. Lecture Notes in Computer Science, 2009, , 306-315.	1.0	4
68	Introduction to the special issue on e-democracy. Group Decision and Negotiation, 2008, 17, 175-177.	2.0	5
69	Towards decision support for participatory democracy. Information Systems and E-Business Management, 2008, 6, 161-191.	2.2	27
70	Towards Decision Support for Participatory Democracy. , 2008, , 651-685.		7
71	<i>e</i>-Participation and Decision Analysis. Decision Analysis, 2007, 4, 211-226.	1.2	50
72	An experimental study of a web-based framework for group decision support with applications to participatory budget elaboration. International Journal of Technology, Policy and Management, 2007, 7, 167.	0.1	4

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73	Improving usability in e-democracy systems: systematic development of navigation in an e-participatory budget system. <i>International Journal of Technology, Policy and Management</i> , 2007, 7, 151.	0.1	2
74	Modeling External Risks in Project Management. <i>Risk Analysis</i> , 2007, 27, 961-978.	1.5	22
75	On Bayesian forecasting of procurement delays: a case study. <i>Applied Stochastic Models in Business and Industry</i> , 2006, 22, 181-192.	0.9	17
76	Approximating nondominated sets in continuous multiobjective optimization problems. <i>Naval Research Logistics</i> , 2005, 52, 469-480.	1.4	13
77	Robust Bayesian Analysis. <i>Handbook of Statistics</i> , 2005, , 623-667.	0.4	38
78	Joint sensitivity in bayesian decision theory. <i>Test</i> , 2003, 12, 173-194.	0.7	6
79	Multicriteria e -negotiation systems for e -democracy. <i>Journal of Multi-Criteria Decision Analysis</i> , 2003, 12, 213-218.	1.0	20
80	Approximate Solutions to Semi Markov Decision Processes through Markov Chain Montecarlo Methods. <i>Lecture Notes in Computer Science</i> , 2003, , 151-162.	1.0	4
81	Mixtures of Gamma Distributions With Applications. <i>Journal of Computational and Graphical Statistics</i> , 2001, 10, 440-454.	0.9	104
82	Wavelet-based random densities. <i>Computational Statistics</i> , 2000, 15, 183-203.	0.8	2
83	Bayesian Robustness. <i>Lecture Notes in Statistics</i> , 2000, , 1-32.	0.1	63
84	Topics on the Foundations of Robust Bayesian Analysis. <i>Lecture Notes in Statistics</i> , 2000, , 33-44.	0.1	4
85	Introduction to the special issue on sensitivity analysis. <i>Journal of Multi-Criteria Decision Analysis</i> , 1999, 8, 117-118.	1.0	11
86	Bayesian Forecasting for Accident Proneness Evaluation. <i>Scandinavian Actuarial Journal</i> , 1999, 1999, 134-156.	1.0	17
87	Decision Analysis by Augmented Probability Simulation. <i>Management Science</i> , 1999, 45, 995-1007.	2.4	53
88	Wavelets for Object Representation and Recognition in Computer Vision. <i>Lecture Notes in Statistics</i> , 1999, , 267-290.	0.1	2
89	Bayesian analysis of M/Er/1 and M/H_k/1 queues. <i>Queueing Systems</i> , 1998, 30, 289-308.	0.6	32
90	Issues in Bayesian Analysis of Neural Network Models. <i>Neural Computation</i> , 1998, 10, 749-770.	1.3	93

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91	Feedforward Neural Networks for Nonparametric Regression. Lecture Notes in Statistics, 1998, , 181-193.	0.1	32
92	Sensitivity analysis in statistical decision theory: A decision analytic view. Journal of Statistical Computation and Simulation, 1997, 57, 197-218.	0.7	8
93	Posterior Simulation for Feed Forward Neural Network Models. , 1996, , 385-390.		0
94	The operation of Lake Kariba: A multiobjective decision analysis. Journal of Multi-Criteria Decision Analysis, 1995, 4, 203-222.	1.0	15
95	SOME RESULTS ON POSTERIOR REGRET $\hat{\pi}^{\epsilon}$ - $\hat{\pi}^{\epsilon}$ ESTIMATION. Statistics and Risk Modeling, 1995, 13, .	0.7	6
96	Some efficient simple rules in $\hat{\pi}^{\epsilon}$ -minimax estimation. Communications in Statistics Part B: Simulation and Computation, 1994, 23, 393-413.	0.6	0
97	Robustness issues under imprecise beliefs and preferences. Journal of Statistical Planning and Inference, 1994, 40, 383-389.	0.4	15
98	On the foundations of decision making under partial information. Theory and Decision, 1992, 33, 83-100.	0.5	18
99	On the Foundations of Decision Making Under Partial Information. , 1992, , 93-100.		1
100	A framework for sensitivity analysis in discrete multi-objective decision-making. European Journal of Operational Research, 1991, 54, 176-190.	3.5	168
101	Sensitivity Analysis in Multi-objective Decision Making. Lecture Notes in Economics and Mathematical Systems, 1990, , .	0.3	82
102	Partial Information and Sensitivity Analysis in Multi-objective Decision Making. Lecture Notes in Economics and Mathematical Systems, 1989, , 424-433.	0.3	2
103	Sobre soluciones optimas en problemas de optimizacion multiobjetivo. Trabajos De Investigacion Operativa, 1987, 2, 49-67.	0.1	2
104	Forecasting aviation safety occurrences. Applied Stochastic Models in Business and Industry, 0, , .	0.9	0