Robin C Purshouse

List of Publications by Year
in descending order

65 papers	3,617 citations	318942 23 h-index	190340 53 g-index
68 all docs	68 docs citations	68 times ranked	3683 citing authors

#	Article	IF	Citations
1	Causal mechanisms proposed for the alcohol harm paradox—a systematic review. Addiction, 2022, 117, 33-56.	1.7	54
2	An integrated dual process simulation model of alcohol use behaviours in individuals, with application to US population-level consumption, 1984–2012. Addictive Behaviors, 2022, 124, 107094.	1.7	4
3	A synthetic population dataset for estimating small area health and socio-economic outcomes in Great Britain. Scientific Data, 2022, 9, 19.	2.4	6
4	Liger: A cross-platform open-source integrated optimization and decision-making environment. Applied Soft Computing Journal, 2021, 98, 106851.	4.1	4
5	Using Multi-objective Grammar-Based Genetic Programming to Integrate Multiple Social Theories in Agent-Based Modeling. Lecture Notes in Computer Science, 2021, 12654, 721-733.	1.0	4
6	The role of alcohol use in the aetiology and progression of liver disease: A narrative review and a quantification. Drug and Alcohol Review, 2021, 40, 1377-1386.	1.1	18
7	Impact of body mass and alcohol consumption on all‐cause and liver mortality in 240‰000 adults in the United States. Drug and Alcohol Review, 2021, 40, 1061-1070.	1.1	9
8	Beyond Behaviour: How Health Inequality Theory Can Enhance Our Understanding of the 'Alcohol-Harm Paradox'. International Journal of Environmental Research and Public Health, 2021, 18, 6025.	1.2	18
9	Commentary on Robinson et al . (2021): Evaluating theories of change for public health policies using computer model discovery methods. Addiction, 2021, 116, 2709-2711.	1.7	1
10	Component-based design of multi-objective evolutionary algorithms using the Tigon optimization library. , 2021, , .		0
11	Causality and initiation of alcohol control policy. A response to Allamani. Drug and Alcohol Review, 2021, 40, 1389-1391.	1.1	1
12	Multiobjective Genetic Programming Can Improve the Explanatory Capabilities of Mechanism-Based Models of Social Systems. Complexity, 2020, 2020, 1-20.	0.9	13
13	Expanding attributable fraction applications to outcomes wholly attributable to a risk factor. Statistical Methods in Medical Research, 2020, 29, 2637-2646.	0.7	9
14	The Normative Underpinnings of Population-Level Alcohol Use: An Individual-Level Simulation Model. Health Education and Behavior, 2020, 47, 224-234.	1.3	14
15	A Software Architecture for Mechanism-Based Social Systems Modelling in Agent-Based Simulation Models. Jasss, 2020, 23, .	1.0	21
16	Introducing CASCADEPOP: an open-source sociodemographic simulation platform for US health policy appraisal. , 2020, 13, 21-60.		7
17	Toward inverse generative social science using multi-objective genetic programming. , 2019, 2019, 1356-1363.		22
18	The SIPHER Consortium: Introducing the new UK hub for systems science in public health and health economic research. Wellcome Open Research, 2019, 4, 174.	0.9	20

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19	Commentary on Apostolopoulos <i>et al</i>. (2018): Systems and complex systems approaches for public health planning—back to the future?. Addiction, 2018, 113, 372-373.	1.7	4
20	Component-level study of a decomposition-based multi-objective optimizer on a limited evaluation budget. , 2018, , .		3
21	Collaborative multi-objective optimization for distributed design of complex products. , 2018, , .		3
22	Multiobjective optimization for interwoven systems. Journal of Multi-Criteria Decision Analysis, 2017, 24, 71-81.	1.0	17
23	Typology and Dynamics of Heavier Drinking Styles in Great Britain: 1978–2010. Alcohol and Alcoholism, 2017, 52, 372-381.	0.9	3
24	On the Effect of Scalarising Norm Choice in a ParEGO implementation. Lecture Notes in Computer Science, 2017, , 1-15.	1.0	2
25	Developing policy analytics for public health strategy and decisions—the Sheffield alcohol policy model framework. Annals of Operations Research, 2016, 236, 149-176.	2.6	15
26	Gearbox design for uncertain load requirements using active robust optimization. Engineering Optimization, 2016, 48, 652-671.	1.5	14
27	The Sheffield Alcohol Policy Model - A Mathematical Description. Health Economics (United Kingdom), 2015, 24, 1368-1388.	0.8	36
28	Transition probabilities for four states of alcohol use in adolescence and young adulthood: what factors matter when?. Addiction, 2015, 110, 1272-1280.	1.7	7
29	An analysis of parameter sensitivities of preference-inspired co-evolutionary algorithms. International Journal of Systems Science, 2015, 46, 2407-2420.	3.7	18
30	An overview of population-based algorithms for multi-objective optimisation. International Journal of Systems Science, 2015, 46, 1572-1599.	3.7	84
31	Preference-inspired co-evolutionary algorithms using weight vectors. European Journal of Operational Research, 2015, 243, 423-441.	3.5	126
32	The iPICEA-g: a new hybrid evolutionary multi-criteria decision making approach using the brushing technique. European Journal of Operational Research, 2015, 243, 442-453.	3.5	33
33	Evolutionary parameter estimation for a theory of planned behaviour microsimulation of alcohol consumption dynamics in an English birth cohort 2003 to 2010. , 2014, , .		6
34	What are the Implications for Policy Makers? A Systematic Review of the Cost-Effectiveness of Screening and Brief Interventions for Alcohol Misuse in Primary Care. Frontiers in Psychiatry, 2014, 5, 114.	1.3	67
35	A review of hybrid evolutionary multiple criteria decision making methods. , 2014, , .		79
36	Active Robust Optimization: Enhancing Robustness to Uncertain Environments. IEEE Transactions on Cybernetics, 2014, 44, 2221-2231.	6.2	33

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37	Commentary on ‹scp›N‹/scp›akamura ‹i›et â€‰al‹/i›. (2014): Alcohol policy appraisal and evaluation â€"to understand what is happening and why, we need better data on alcohol as a commodity. Addiction, 2014, 109, 568-569.	1.7	3
38	Cost-effectiveness of a programme of screening and brief interventions for alcohol in primary care in Italy. BMC Family Practice, 2014, 15, 26.	2.9	28
39	Effects of minimum unit pricing for alcohol on different income and socioeconomic groups: a modelling study. Lancet, The, 2014, 383, 1655-1664.	6.3	235
40	Estimation of own and cross price elasticities of alcohol demand in the UKâ€"A pseudo-panel approach using the Living Costs and Food Survey 2001â€"2009. Journal of Health Economics, 2014, 34, 96-103.	1.3	68
41	Generalized decomposition and cross entropy methods for many-objective optimization. Information Sciences, 2014, 282, 363-387.	4.0	90
42	General framework for localised multi-objective evolutionary algorithms. Information Sciences, 2014, 258, 29-53.	4.0	43
43	Preference-Inspired Coevolutionary Algorithms for Many-Objective Optimization. IEEE Transactions on Evolutionary Computation, 2013, 17, 474-494.	7.5	529
44	On finding well-spread pareto optimal solutions by preference-inspired co-evolutionary algorithm. , 2013, , .		12
45	Preference-inspired co-evolutionary algorithm using adaptively generated goal vectors. , 2013, , .		15
46	Adjusting for Unrecorded Consumption in Survey and per Capita Sales Data: Quantification of Impact on Gender- and Age-specific Alcohol-attributable Fractions for Oral and Pharyngeal Cancers in Great Britain. Alcohol and Alcoholism, 2013, 48, 241-249.	0.9	41
47	Preference-inspired co-evolutionary algorithm using weights for many-objective optimization. , 2013, , .		14
48	Modelling the Cost-Effectiveness of Alcohol Screening and Brief Interventions in Primary Care in England. Alcohol and Alcoholism, 2013, 48, 180-188.	0.9	58
49	Towards Understanding the Cost of Adaptation in Decomposition-Based Optimization Algorithms. , 2013, , .		31
50	Reply to Klaus MÃ¤kelÃ¤s Cost-of-Alcohol Studies as a Research Programme. NAD Nordic Studies on Alcohol and Drugs, 2013, 30, 445-447.	0.7	2
51	â€˜â€˜Whatever Works Best for Youâ€™â€™- A New Method for a Priori and Progressive Multi-objective Optimisation. Lecture Notes in Computer Science, 2013, , 337-351.	1.0	19
52	Generalized Decomposition. Lecture Notes in Computer Science, 2013, , 428-442.	1.0	45
53	Optimization of Adaptation - A Multi-objective Approach for Optimizing Changes to Design Parameters. Lecture Notes in Computer Science, 2013, , 21-35.	1.0	5
54	Multi-objective Optimisation for Social Cost Benefit Analysis: An Allegory. Lecture Notes in Computer Science, 2013, , 726-740.	1.0	4

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55	Local preference-inspired co-evolutionary algorithms. , 2012, , .		8
56	Gas turbine fuel valve diagnostics. , 2012, , .		0
57	A multiobjective evolutionary algorithm for the 2D Guillotine Strip Packing Problem. , 2012, , .		1
58	Policy options for alcohol price regulation: the importance of modelling population heterogeneity. Addiction, 2010, 105, 383-393.	1.7	154
59	POLICY OPTIONS FOR ALCOHOL PRICE REGULATION: RESPONSE TO THE COMMENTARIES. Addiction, 2010, 105, 400-401.	1.7	1
60	Estimated effect of alcohol pricing policies on health and health economic outcomes in England: an epidemiological model. Lancet, The, 2010, 375, 1355-1364.	6.3	208
61	On the Evolutionary Optimization of Many Conflicting Objectives. IEEE Transactions on Evolutionary Computation, 2007, 11, 770-784.	7.5	375
62	Improving the Pharmaceutical R&D Process: How Simulation Can Support Management Decision Making. , 2006, , 247-273.		3
63	Many-Objective Optimization: An Engineering Design Perspective. Lecture Notes in Computer Science, 2005, , 14-32.	1.0	223
64	Conflict, Harmony, and Independence: Relationships in Evolutionary Multi-criterion Optimisation. Lecture Notes in Computer Science, 2003, , 16-30.	1.0	75
65	Evolutionary algorithms in control systems engineering: a survey. Control Engineering Practice, 2002, 10, 1223-1241.	3.2	496