

Ilya Shpitser

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,024
citations

759233

12
h-index

434195

31
g-index

45
all docs

45
docs citations

45
times ranked

1476
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Criterion for Confounder Selection. <i>Biometrics</i> , 2011, 67, 1406-1413.	1.4	276
2	Semiparametric theory for causal mediation analysis: Efficiency bounds, multiple robustness and sensitivity analysis. <i>Annals of Statistics</i> , 2012, 40, 1816-1845.	2.6	176
3	On the definition of a confounder. <i>Annals of Statistics</i> , 2013, 41, 196-220.	2.6	173
4	Counterfactual Graphical Models for Longitudinal Mediation Analysis With Unobserved Confounding. <i>Cognitive Science</i> , 2013, 37, 1011-1035.	1.7	63
5	Machine Learning Methods Uncover Radiomorphologic Dose Patterns in Salivary Glands that Predict Xerostomia in Patients with Head and Neck Cancer. <i>Advances in Radiation Oncology</i> , 2019, 4, 401-412.	1.2	44
6	A Complete Graphical Criterion for the Adjustment Formula in Mediation Analysis. <i>International Journal of Biostatistics</i> , 2011, 7, 1-24.	0.7	30
7	Causal inference with a graphical hierarchy of interventions. <i>Annals of Statistics</i> , 2016, 44, 2433-2466.	2.6	30
8	Dose/Volume histogram patterns in Salivary Gland subvolumes influence xerostomia injury and recovery. <i>Scientific Reports</i> , 2019, 9, 3616.	3.3	26
9	Using Big Data Analytics to Advance Precision Radiation Oncology. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 285-291.	0.8	25
10	Spatial Radiation Dose Influence on Xerostomia Recovery and Its Comparison to Acute Incidence in Patients With Head and Neck Cancer. <i>Advances in Radiation Oncology</i> , 2020, 5, 221-230.	1.2	17
11	Quantifying an Adherence Path-Specific Effect of Antiretroviral Therapy in the Nigeria PEPFAR Program. <i>Journal of the American Statistical Association</i> , 2017, 112, 1443-1452.	3.1	16
12	Robust Inference on Population Indirect Causal Effects: The Generalized Front Door Criterion. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2020, 82, 199-214.	2.2	12
13	Radio-morphology: Parametric shape-based features in radiotherapy. <i>Medical Physics</i> , 2019, 46, 704-713.	3.0	11
14	Semiparametric Inference for Nonmonotone Missing-Not-at-Random Data: The No Self-Censoring Model. <i>Journal of the American Statistical Association</i> , 2022, 117, 1415-1423.	3.1	10
15	Causal Inference From Observational Data: It Is Complicated*. <i>Pediatric Critical Care Medicine</i> , 2021, 22, 1093-1096.	0.5	9
16	Detecting the Presence and Absence of Causal Relationships between Expression of Yeast Genes with Very Few Samples. <i>Journal of Computational Biology</i> , 2010, 17, 533-546.	1.6	8
17	An Interventionist Approach to Mediation Analysis. , 2022, , 713-764.		8
18	Leveraging Machine Learning to Predict 30-Day Hospital Readmission After Cardiac Surgery. <i>Annals of Thoracic Surgery</i> , 2022, 114, 2173-2179.	1.3	8

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19	Comment on "Blessings of Multiple Causes". Journal of the American Statistical Association, 2019, 114, 1611-1615.	3.1	6
20	A Potential Outcomes Calculus for Identifying Conditional Path-Specific Effects. Proceedings of Machine Learning Research, 2019, 89, 3080-3088.	0.3	6
21	Identification and Estimation Of Causal Effects from Dependent Data. Advances in Neural Information Processing Systems, 2018, 2018, 9446-9457.	2.8	5
22	Examining the Causal Mediating Role of Brain Pathology on the Relationship Between Diabetes and Cognitive Impairment: The Cardiovascular Health Study. Journal of the Royal Statistical Society Series A: Statistics in Society, 2020, 183, 1705-1726.	1.1	4
23	Identification of Personalized Effects Associated With Causal Pathways. Uncertainty in artificial intelligence : proceedings of the ... conference., 2018, 2018, .	0.9	4
24	Discussion on "Causal mediation of semicompeting risks" by Yen-Tsung Huang. Biometrics, 2021, 77, 1165-1169.	1.4	3
25	Fair Inference on Outcomes. Proceedings of the AAAI Conference on Artificial Intelligence, 2018, 2018, 1931-1940.	4.9	3
26	Identification In Missing Data Models Represented By Directed Acyclic Graphs. Uncertainty in artificial intelligence : proceedings of the ... conference., 2019, 2019, .	0.9	3
27	Disease Models, Part I: Graphical Models. , 2010, , 335-369.		2
28	Detecting the Presence and Absence of Causal Relationships between Expression of Yeast Genes with Very Few Samples. Lecture Notes in Computer Science, 2009, , 466-481.	1.3	2
29	Estimation of Personalized Effects Associated With Causal Pathways. Uncertainty in artificial intelligence : proceedings of the ... conference., 2018, 2018, .	0.9	2
30	Causal Inference Under Interference And Network Uncertainty. Uncertainty in artificial intelligence : proceedings of the ... conference., 2019, 2019, .	0.9	2
31	Full Law Identification in Graphical Models of Missing Data: Completeness Results. Proceedings of Machine Learning Research, 2020, 119, 7153-7163.	0.3	2
32	Causal Graphs: Addressing the Confounding Problem Without Instruments or Ignorability. Statistical Science, 2014, 29, .	2.8	1
33	Structure Learning Under Missing Data. Proceedings of Machine Learning Research, 2018, 72, 121-132.	0.3	1
34	Acyclic Linear SEMs Obey the Nested Markov Property. Uncertainty in artificial intelligence : proceedings of the ... conference., 2018, 2018, .	0.9	1
35	Intervening on Network Ties. Uncertainty in artificial intelligence : proceedings of the ... conference., 2019, 2019, .	0.9	1
36	Learning Optimal Fair Policies. Proceedings of Machine Learning Research, 2019, 97, 4674-4682.	0.3	1

#	ARTICLE	IF	CITATIONS
37	Comment on: "Decision-theoretic foundations for statistical causality", Journal of Causal Inference, 2022, 10, 190-196.	1.2	1
38	RTHP-43 (LTBK-02). MULTI-TIME POINT EVALUATION OF PERIPHERAL BLOOD MYELOID-DERIVED SUPPRESSOR CELL AND LYMPHOCYTE POPULATIONS IN PATIENTS WITH NEWLY DIAGNOSED GLIOBLASTOMA RECEIVING ADJUVANT THERAPY. Neuro-Oncology, 2019, 21, vi283-vi283.	1.2	0
39	Challenges of Using Text Classifiers for Causal Inference. , 2018, 2018, 4586-4598.		0
40	Identification in Causal Models With Hidden Variables. Journal De La SFdS, 2020, 161, 91-119.	0.5	0
41	Identification and Estimation of Causal Effects Defined by Shift Interventions. Proceedings of Machine Learning Research, 2020, 124, 949-958.	0.3	0
42	Deriving Bounds and Inequality Constraints Using Logical Relations Among Counterfactuals. Proceedings of Machine Learning Research, 2020, 124, 1348-1357.	0.3	0