Mariarosaria Taddeo

List of Publications by Year
in descending order

84 papers	5,376 citations	186209 28 h-index	95218 68 g-index
88 all docs	88 docs citations	88 times ranked	3954 citing authors

#	Article	IF	Citations
1	The ethics of algorithms: Mapping the debate. Big Data and Society, 2016, 3, 205395171667967.	2.6	983
2	The grand challenges of *Science Robotics*. Science Robotics, 2018, 3, .	9.9	787
3	How AI can be a force for good. Science, 2018, 361, 751-752.	6.0	297
4	Artificial Intelligence and the â€˜Good Societyâ€™: the US, EU, and UK approach. Science and Engineering Ethics, 2018, 24, 505-528.	1.7	252
5	The ethics of AI in health care: A mapping review. Social Science and Medicine, 2020, 260, 113172.	1.8	224
6	What is data ethics?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20160360.	1.6	214
7	Ethical guidelines for COVID-19 tracing apps. Nature, 2020, 582, 29-31.	13.7	186
8	The Chinese approach to artificial intelligence: an analysis of policy, ethics, and regulation. AI and Society, 2021, 36, 59-77.	3.1	181
9	Recommender systems and their ethical challenges. AI and Society, 2020, 35, 957-967.	3.1	161
10	How to Design AI for Social Good: Seven Essential Factors. Science and Engineering Ethics, 2020, 26, 1771-1796.	1.7	147
11	The ethics of algorithms: key problems and solutions. AI and Society, 2022, 37, 215-230.	3.1	124
12	Solving the symbol grounding problem: a critical review of fifteen years of research. Journal of Experimental and Theoretical Artificial Intelligence, 2005, 17, 419-445.	1.8	108
13	The Ethics of Digital Well-Being: A Thematic Review. Science and Engineering Ethics, 2020, 26, 2313-2343.	1.7	106
14	Regulate artificial intelligence to avert cyber arms race. Nature, 2018, 556, 296-298.	13.7	85
15	Artificial Intelligence Crime: An Interdisciplinary Analysis of Foreseeable Threats and Solutions. Science and Engineering Ethics, 2020, 26, 89-120.	1.7	85
16	Trusting artificial intelligence in cybersecurity is a double-edged sword. Nature Machine Intelligence, 2019, 1, 557-560.	8.3	80
17	A definition, benchmark and database of AI for social good initiatives. Nature Machine Intelligence, 2021, 3, 111-115.	8.3	71
18	Modelling Trust in Artificial Agents, A First Step Toward the Analysis of e-Trust. Minds and Machines, 2010, 20, 243-257.	2.7	70

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19	Turing's Imitation Game: Still an Impossible Challenge for All Machines and Some Judges—An Evaluation of the 2008 Loebner Contest. Minds and Machines, 2009, 19, 145-150.	2.7	69
20	The Debate on the Moral Responsibilities of Online Service Providers. Science and Engineering Ethics, 2016, 22, 1575-1603.	1.7	63
21	The AI gambit: leveraging artificial intelligence to combat climate change—opportunities, challenges, and recommendations. AI and Society, 2023, 38, 283-307.	3.1	57
22	Information Warfare: A Philosophical Perspective. Philosophy and Technology, 2012, 25, 105-120.	2.6	56
23	Ethics-Based Auditing of Automated Decision-Making Systems: Nature, Scope, and Limitations. Science and Engineering Ethics, 2021, 27, 44.	1.7	49
24	The case for e-trust. Ethics and Information Technology, 2011, 13, 1-3.	2.3	42
25	The ethical debate about the gig economy: A review and critical analysis. Technology in Society, 2021, 65, 101594.	4.8	40
26	Trust in Technology: A Distinctive and a Problematic Relation. Knowledge, Technology and Policy: the International Journal of Knowledge Transfer and Utilization, 2010, 23, 283-286.	0.5	39
27	Digital Psychiatry: Risks and Opportunities for Public Health and Wellbeing. IEEE Transactions on Technology and Society, 2020, 1, 21-33.	2.4	37
28	The Moral Responsibilities of Online Service Providers. Law, Governance and Technology Series, 2017, , 13-42.	0.3	32
29	The Limits of Deterrence Theory in Cyberspace. Philosophy and Technology, 2018, 31, 339-355.	2.6	31
30	Three Ethical Challenges of Applications of Artificial Intelligence in Cybersecurity. Minds and Machines, 2019, 29, 187-191.	2.7	31
31	Artificial intelligence and the climate emergency: Opportunities, challenges, and recommendations. One Earth, 2021, 4, 776-779.	3.6	31
32	The Debate on the Ethics of AI in Health Care: a Reconstruction and Critical Review. SSRN Electronic Journal, 0, , .	0.4	31
33	Cyber Security and Individual Rights, Striking the Right Balance. Philosophy and Technology, 2013, 26, 353-356.	2.6	30
34	Designing AI for Social Good: Seven Essential Factors. SSRN Electronic Journal, 0, , .	0.4	30
35	Public Health in the Information Age: Recognizing the Infosphere as a Social Determinant of Health. Journal of Medical Internet Research, 2020, 22, e19311.	2.1	29
36	Trusting Digital Technologies Correctly. Minds and Machines, 2017, 27, 565-568.	2.7	27

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37	The Case of Online Trust. Knowledge, Technology and Policy: the International Journal of Knowledge Transfer and Utilization, 2010, 23, 333-345.	0.5	26
38	A modal type theory for formalizing trusted communications. Journal of Applied Logic, 2012, 10, 92-114.	1.1	25
39	Achieving a 'Good AI Society': Comparing the Aims and Progress of the EU and the US. Science and Engineering Ethics, 2021, 27, 68.	1.7	25
40	The Struggle Between Liberties and Authorities in the Information Age. Science and Engineering Ethics, 2015, 21, 1125-1138.	1.7	23
41	Data philanthropy and the design of the infraethics for information societies. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20160113.	1.6	23
42	Ethical Principles for Artificial Intelligence in National Defence. Philosophy and Technology, 2021, 34, 1707-1729.	2.6	23
43	The Ethics of Algorithms: Key Problems and Solutions. SSRN Electronic Journal, 0, , .	0.4	21
44	Just Information Warfare. Topoi, 2016, 35, 213-224.	0.8	20
45	On the Risks of Relying on Analogies to Understand Cyber Conflicts. Minds and Machines, 2016, 26, 317-321.	2.7	20
46	The Ethical Governance of the Digital During and After the COVID-19 Pandemic. Minds and Machines, 2020, 30, 171-176.	2.7	20
47	Ethical aspects of multi-stakeholder recommendation systems. Information Society, 2021, 37, 35-45.	1.7	18
48	Deterrence by Norms to Stop Interstate Cyber Attacks. Minds and Machines, 2017, 27, 387-392.	2.7	17
49	Enabling Posthumous Medical Data Donation: An Appeal for the Ethical Utilisation of Personal Health Data. Science and Engineering Ethics, 2019, 25, 1357-1387.	1.7	17
50	The Ethics of Algorithms: Key Problems and Solutions. Philosophical Studies Series, 2021, , 97-123.	1.3	17
51	Artificial Intelligence Crime: An Interdisciplinary Analysis of Foreseeable Threats and Solutions. SSRN Electronic Journal, 0, , .	0.4	14
52	The Ethics of Digital Well-Being: A Thematic Review. SSRN Electronic Journal, 2019, , .	0.4	14
53	The AI Gambit â€" Leveraging Artificial Intelligence to Combat Climate Change: Opportunities, Challenges, and Recommendations. SSRN Electronic Journal, 0, , .	0.4	14
54	Online Information of Vaccines: Information Quality, Not Only Privacy, Is an Ethical Responsibility of Search Engines. Frontiers in Medicine, 2020, 7, 400.	1.2	13

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55	Is Cybersecurity a Public Good?. Minds and Machines, 2019, 29, 349-354.	2.7	11
56	How to Design AI for Social Good: Seven Essential Factors. Philosophical Studies Series, 2021, , 125-151.	1.3	11
57	Analyzing Peer-to-Peer Technology Using Information Ethics. Information Society, 2011, 27, 105-112.	1.7	10
58	Internet Neutrality: Ethical Issues in the Internet Environment. Philosophy and Technology, 2012, 25, 133-151.	2.6	10
59	Data Philanthropy and Individual Rights. Minds and Machines, 2017, 27, 1-5.	2.7	10
60	The Chinese Approach to Artificial Intelligence: An Analysis of Policy, Ethics, and Regulation. Philosophical Studies Series, 2021, , 47-79.	1.3	9
61	Cyber Conflicts and Political Power in Information Societies. Minds and Machines, 2017, 27, 265-268.	2.7	8
62	Autonomous weapon systems and jus ad bellum. AI and Society, 0, , 1.	3.1	8
63	Regulate Artificial Intelligence to Avert Cyber Arms Race. SSRN Electronic Journal, 0, , .	0.4	7
64	AI reflections in 2020. Nature Machine Intelligence, 2021, 3, 2-8.	8.3	7
65	The Chinese Approach to Artificial Intelligence: An Analysis of Policy and Regulation. SSRN Electronic Journal, 0, , .	0.4	7
66	Digital Ethics: Its Nature and Scope. Digital Ethics Lab Yearbook, 2019, , 9-17.	0.2	7
67	An Information–based Solution for the Puzzle of Testimony and Trust. Social Epistemology, 2010, 24, 285-299.	0.7	5
68	How AI Can Be a Force for Good – An Ethical Framework to Harness the Potential of AI While Keeping Humans in Control. Philosophical Studies Series, 2021, , 91-96.	1.3	5
69	Deterrence and Norms to Foster Stability in Cyberspace. Philosophy and Technology, 2018, 31, 323-329.	2.6	4
70	A Comparative Analysis of the Definitions of Autonomous Weapons. SSRN Electronic Journal, 0, , .	0.4	4
71	The Civic Role of Online Service Providers. Minds and Machines, 2019, 29, 1-7.	2.7	3
72	Information Societies, Ethical Enquiries. Philosophy and Technology, 2015, 28, 5-10.	2.6	2

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73	Enabling Posthumous Medical Data Donation: A Plea for the Ethical Utilisation of Personal Health Data. Philosophical Studies Series, 2019, , 163-180.	1.3	2
74	Ethical Aspects of Multi-stakeholder Recommendation Systems. SSRN Electronic Journal, 0, , .	0.4	2
75	The Challenges of Cyber Deterrence. Digital Ethics Lab Yearbook, 2019, , 85-103.	0.2	2
76	The Ethics of AI in Health Care: A Mapping Review. Philosophical Studies Series, 2021, , 313-346.	1.3	2
77	New Civic Responsibilities for Online Service Providers. Law, Governance and Technology Series, 2017, , 1-10.	0.3	1
78	Enabling Posthumous Medical Data Donation: A Plea for the Ethical Utilisation of Personal Health Data. SSRN Electronic Journal, 0, , .	0.4	1
79	Artificial Intelligence Crime: An Interdisciplinary Analysis of Foreseeable Threats and Solutions. Philosophical Studies Series, 2021, , 251-282.	1.3	1
80	On the Risks of Trusting Artificial Intelligence: The Case of Cybersecurity. Digital Ethics Lab Yearbook, 2021, , 97-108.	0.2	1
81	Regulate Artificial Intelligence to Avert Cyber Arms Race. Philosophical Studies Series, 2021, , 283-287.	1.3	1
82	Philosophy and Computing in Information Societies. Minds and Machines, 2016, 26, 203-204.	2.7	0
83	Artificial Intelligence Crime: An Interdisciplinary Analysis of Foreseeable Threats and Solutions. Digital Ethics Lab Yearbook, 2021, , 195-227.	0.2	0
84	Apropos Data Sharing: Abandon the Distrust and Embrace the Opportunity. DNA and Cell Biology, 2022, 41, 11-15.	0.9	0