

# Samuele Lo Piano

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3652839/publications.pdf>

Version: 2024-02-01

27  
papers

1,110  
citations

471371

17  
h-index

526166

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1140  
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical perspective on uncertainty appraisal and sensitivity analysis in life cycle assessment. <i>Journal of Industrial Ecology</i> , 2022, 26, 763-781.	2.8	22
2	Energy demand and its temporal flexibility: Approaches, criticalities and ways forward. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 160, 112249.	8.2	10
3	Improving the reliability of cohesion policy databases. <i>PLoS ONE</i> , 2022, 17, e0266823.	1.1	1
4	Uncertainty appraisal provides useful information for the management of a manual grape harvest. <i>Biosystems Engineering</i> , 2022, 219, 259-267.	1.9	2
5	The delusive accuracy of global irrigation water withdrawal estimates. <i>Nature Communications</i> , 2022, 13, .	5.8	30
6	Variance-based sensitivity analysis: The quest for better estimators and designs between explorativity and economy. <i>Reliability Engineering and System Safety</i> , 2021, 206, 107300.	5.1	22
7	The Future of Sensitivity Analysis: An essential discipline for systems modeling and policy support. <i>Environmental Modelling and Software</i> , 2021, 137, 104954.	1.9	209
8	Is VARS more intuitive and efficient than Sobolâ€™ indices?. <i>Environmental Modelling and Software</i> , 2021, 137, 104960.	1.9	11
9	Irrigated areas drive irrigation water withdrawals. <i>Nature Communications</i> , 2021, 12, 4525.	5.8	42
10	Current Models Underestimate Future Irrigated Areas. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087360.	1.5	36
11	A sensitivity analysis of the PAWN sensitivity index. <i>Environmental Modelling and Software</i> , 2020, 127, 104679.	1.9	21
12	Quantitative Storytelling in the Making of a Composite Indicator. <i>Social Indicators Research</i> , 2020, 149, 775-802.	1.4	61
13	Five ways to ensure that models serve society: a manifesto. <i>Nature</i> , 2020, 582, 482-484.	13.7	249
14	Ethical principles in machine learning and artificial intelligence: cases from the field and possible ways forward. <i>Humanities and Social Sciences Communications</i> , 2020, 7, .	1.3	90
15	Nutrition and public health economic evaluations under the lenses of post normal science. <i>Futures</i> , 2019, 112, 102436.	1.4	11
16	Silver as a Constraint for a Large-Scale Development of Solar Photovoltaics? Scenario-Making to the Year 2050 Supported by Expert Engagement and Global Sensitivity Analysis. <i>Frontiers in Energy Research</i> , 2019, 7, .	1.2	13
17	A holistic framework for the integrated assessment of urban waste management systems. <i>Ecological Indicators</i> , 2018, 94, 24-36.	2.6	24
18	Finance, energy and the decoupling: an empirical study. <i>Journal of Evolutionary Economics</i> , 2018, 28, 565-590.	0.8	13

#	ARTICLE	IF	CITATIONS
19	Doing the Sum Right or the Right Sums? Techno-Optimist Numbers in Food Security Scenarios. <i>Frontiers in Sustainable Food Systems</i> , 2018, 2, .	1.8	2
20	Toward an integrated assessment of the performance of photovoltaic power stations for electricity generation. <i>Applied Energy</i> , 2017, 186, 167-174.	5.1	49
21	Does recyclable separation reduce the cost of municipal waste management in Japan?. <i>Waste Management</i> , 2017, 60, 32-41.	3.7	54
22	Development of a municipal solid waste management decision support tool for Naples, Italy. <i>Journal of Cleaner Production</i> , 2017, 161, 1032-1043.	4.6	21
23	Problematic Quantifications: a Critical Appraisal of Scenario Making for a Global "Sustainable" Food Production. <i>Food Ethics</i> , 2017, 1, 173-179.	1.2	11
24	China's metabolic patterns and their potential problems. <i>Ecological Modelling</i> , 2015, 318, 75-85.	1.2	4
25	A chiral probe for the acute phase proteins alpha-1-acid glycoprotein and alpha-1-antitrypsin based on europium luminescence. <i>Dalton Transactions</i> , 2012, 41, 13154.	1.6	40
26	Shape-conserving enhancement of vibrational circular dichroism in lanthanide complexes. <i>Chemical Communications</i> , 2012, 48, 11996.	2.2	17
27	Pseudocontact shifts in lanthanide complexes with variable crystal field parameters. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2810-2820.	9.5	45