Samuel A Markolf

List of Publications by Citations

17 papers	298 citations	7 h-index	17 g-index
19 ext. papers	449 ext. citations	5.4 avg, IF	3.82 L-index

#	Paper	IF	Citations
17	Interdependent Infrastructure as Linked Social, Ecological, and Technological Systems (SETSs) to Address Lock-in and Enhance Resilience. *Earth's Future*, **2018**, 6, 1638-1659	7.9	89
16	Transportation resilience to climate change and extreme weather events – Beyond risk and robustness. *Transport Policy*, **2019**, 74, 174-186	5.7	73
15	Infrastructure and the environment in the Anthropocene. *Journal of Industrial Ecology*, **2019**, 23, 1006-1015	7.5	31
14	An integrated approach for estimating greenhouse gas emissions from 100 U.S. metropolitan areas. *Environmental Research Letters*, **2017**, 12, 024003	6.2	27
13	Concepts and practices for transforming infrastructure from rigid to adaptable. *Sustainable and Resilient Infrastructure*, **2019**, 1-22	3.3	23
12	Infrastructure resilience to navigate increasingly uncertain and complex conditions in the Anthropocene. *Npj Urban Sustainability*, **2021**, 1,		13
11	Understanding Urban Flood Resilience in the Anthropocene: A Social–Ecological–Technological Systems (SETS) Learning Framework. *Annals of the American Association of Geographers*, **2021**, 111, 837-857	2.6	9
10	Re-imagining design storm criteria for the challenges of the 21st century. *Cities*, **2021**, 109, 102981	5.6	6
9	Using Biomimicry to Support Resilient Infrastructure Design. *Earth's Future*, **2020**, 8, e2020EF001653	7.9	5
8	Adaptation frameworks used by US decision-makers: a literature review. *Environment Systems and Decisions*, **2015**, 35, 427-436	4.1	4
7	Centralization and decentralization for resilient infrastructure and complexity. *Environmental Research: Infrastructure and Sustainability*, **2021**, 1, 021001		4
6	A social-ecological-technological systems framework for urban ecosystem services. *One Earth*, **2022**, 5, 505-518	8.1	4
5	Maintaining Reliability of Transportation Systems and Interconnected Infrastructure under Climate Change **2017**,		3
4	The implications of scope and boundary choice on the establishment and success of metropolitan greenhouse gas reduction targets in the United States. *Environmental Research Letters*, **2018**, 13, 124015	6.2	3
3	Balancing efficiency and resilience objectives in pursuit of sustainable infrastructure transformations. *Current Opinion in Environmental Sustainability*, **2022**, 56, 101181	7.2	2
2	Leveraging SETS resilience capabilities for safe-to-fail infrastructure under climate change. *Current Opinion in Environmental Sustainability*, **2022**, 54, 101153	7.2	1
1	Social, Ecological, and Technological Strategies for Climate Adaptation. *Urban Book Series*, **2021**, 29-45	0.3	1