## Michael Szell

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## **Publications**

- 45. S.M. Breum, B. Kostic, M. Szell Computational Desire Line Analysis of Cyclists on the Dybbølsbro Intersection in Copenhagen, arXiv:2211.01301 (2022, submitted)
- 44. L. Alessandretti, M. Szell **Urban Mobility**, *Compendium of Urban Complexity*, *arXiv*:2211.00355, (2022, submitted)
- 43. A. Battiston, L. Napoli, P. Bajardi, A. Panisson, A. Perotti, M. Szell, R. Schifanella **Revealing the determinants of gender inequality in urban cycling with large-scale data**, arXiv:2203.09378 (2022, submitted)
- 42. P. Folco, L. Gauvin, M. Tizzoni, M. Szell

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- 41. L. Alessandretti, L.G. Natera Oroczo, M. Saberi, M. Szell, F. Battiston

  Multimodal urban mobility and multilayer transport networks, Environment and Planning B (2022, in print)
- 40. M. Klanjčić, L. Gauvin, M. Tizzoni, M. Szell **Identifying urban features for vulnerable road user safety in Europe**, EPJ Data Science 11, 27 (2022)
- 39. M. Szell, S. Mimar, T. Perlman, G. Ghoshal, R. Sinatra Growing urban bicycle networks, *Scientific Reports* 12, 6765 (2022)
- 38. A. Vybornova, T. Cunha, A. Gühnemann, M. Szell **Automated Detection of Missing Links in Bicycle Networks**, *Geographical Analysis* 0, 1–29 (2022)
- 37. M. Coscia, M. Szell

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- 34. L.G. Natera Orozco, F. Battiston, G. Iñiguez, M. Szell

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- 33. F. Battiston, F. Musciotto, D. Wang, A.-L. Barabási, M. Szell, R. Sinatra **Taking census of physics**, *Nature Reviews Physics* 1, 89–97 (2019)
- 32. B. Resch, M. Szell **Human-Centric Data Science for Urban Studies**, ISPRS International Journal of Geo-Information 8, 584 (2019)

- 31. M. Szell, Y. Ma, R. Sinatra A Nobel opportunity for interdisciplinarity, *Nature Physics* 14, 1075–1078 (2018)
- 30. M. Szell **Crowdsourced quantification and visualization of urban mobility space inequality**, *Urban Planning* 3, 1-20 (2018)
- 29. S. Grauwin, M. Szell, S. Sobolevsky, P. Hövel, F. Simini, M. Vanhoof, Z. Smoreda, A.-L. Barabási, C. Ratti **Identifying the structural discontinuities of human interactions**, *Scientific Reports* 7, 46677 (2017)
- 28. Y. Holovatch, O. Mryglod, M. Szell, S. Thurner **Analyses of a virtual world**, In: *Math Meets Myth: Complexity-science approaches to folktales, myths, sagas, and histories*, Springer, Eds.: R. Kenna, M. Maccarron, P. Maccarron (2017)
- 27. R. Tachet , O. Sagarra , P. Santi, G. Resta , M. Szell , S. Strogatz , C. Ratti Scaling law of urban ride sharing, *Scientific Reports* 7, 42868 (2017)
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- 12. S. Thurner, P. Klimek, M. Szell, G. Duftschmid, G. Endel, A. Kautzky-Willer, D. Kasper Reply to Klitz and Niklasson: Can viral infections explain the cross-sectional Austrian diabetes data?, *Proceedings of the National Academy of Sciences* 110, E2751 (2013)
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