

No.	Author(s)	Title	Journal & Date
8	Obaid, Torok and Ortega	A Comprehensive Emissions Model Combining Autonomous Vehicles with Park and Ride and Electric Vehicle Transportation Policies	Sustainability, 2021
2	Taiebat <i>et al.</i>	A Review on Energy, Environmental and Sustainability Implications of Connected and Automated Vehicles	Environmental Science & Technology, 2018
3	Soteropoulos <i>et al.</i>	Automated drivability: Toward an assessment of the spatial deployment of level 4 automated vehicles	Transportation Research Part A: Policy and Practice, 2020
4	Mia <i>et al.</i>	Autonomous connected electric vehicle (ACEV)-based car sharing system modeling and optimal planning: A unified two-stage multiobjective optimization methodology	Energy, 2019
5	Gavanas	Autonomous Road Vehicles: Challenges for Urban Planning in European Cities	Urban Science, 2019
6	Zhang <i>et al.</i>	Charging infrastructure demands of shared-use autonomous electric vehicles in urban areas	Transportation Research Part D, 2020
7	Huang <i>et al.</i>	Cooperative Adaptive Cruise Control and exhaust emission evaluation under heterogeneous connected vehicle network environment in urban city	Journal of Environmental Management, 2020
8	Wang, Wu and Barth	Cooperative Eco-Driving at Signalized Intersections in a Partially Connected and Automated Vehicle Environment	IEEE Transactions on Intelligent Transportation System, 2020
9	Szabó	Driverless, or Carless Future? Socio-technical Scenarios of Autonomous Urban Mobility in the Czech Republic	Transactions on Transport Sciences, 2020
10	Liu <i>et al.</i>	Dynamic wireless power transfer system for electric-powered connected and autonomous vehicle on urban road network	IET Intelligent Transport Systems, 2020
11	Han, Ma and Zhang	Energy-aware Trajectory Optimization of Connected and Automated Vehicle	The University of California Institute of

		Platoons through a Signalized Intersection	Transportation Studies, 2019
12	Liu and Fan	Exploring the impact of connected and autonomous vehicles on mobility and environment at signalized intersections through vehicle-to-infrastructure (V2I) and infrastructure-to-vehicle (I2V) communications	Transportation Planning and Technology, 2021
13	Saleh and Hatzopoulou	Greenhouse gas emissions attributed to empty kilometers in automated vehicles	Transportation Research Part D, 2020
14	Dong <i>et al.</i>	Impact Evaluation of Cyber-Attacks on Traffic Flow of Connected and Automated Vehicles	IEEE Access, 2020
15	Othman	Impact of Autonomous Vehicles on the Physical Infrastructure: Changes and Challenges	Design, 2021
16	Kolpakov and Sipiora	Implications of Market Penetration of Electric and Autonomous Vehicles for Florida State Transportation Revenue	Athens Journal of Technology and Engineering, 2020
17	Manivasakan <i>et al.</i>	Infrastructure requirement for autonomous vehicle integration for future urban and suburban roads – current practice and a case study of Melbourne, Australia	Transportation Research Part A, 2021
18	Ibáñez, Zeadally and Contreras-Castillo	Integration Challenges of Intelligent Transportation Systems with Connected Vehicle, Cloud Computing, and Internet of Things Technologies	IEEE Wireless Communications, 2015
19	Gawron <i>et al.</i>	Life Cycle Assessment of Connected and Automated Vehicles Sensing and Computing Subsystems and Vehicle Level Effects	Environmental Science & Technology, 2018
20	Gružauskas, Baskutis and Navickas	Minimizing the trade-off between sustainability and cost-effective performance by using autonomous vehicles	Journal of Cleaner Production, 2018
21	Hesselgren <i>et al.</i>	NuMo – New Urban Mobility New urban infrastructure support for autonomous vehicles	INFRA SWEDEN, 2018

22	Milakis, van Arem and Wee	Policy and society related implications of automated driving: A review of literature and directions for future research	Journal of Intelligent Transportation Systems, 2017
23	Annema	Policy implications of the potential carbon dioxide (CO2) emission and energy impacts on highly automated vehicles	Book chapter, 2020
24	Fagnant and Kockelman	Preparing a nation for autonomous vehicles: opportunities, barriers and policy recommendations	Transportation Research Part A, 2015
25	Ziakopoulos <i>et al.</i>	Quantifying the implementation impacts of a point to point automated urban shuttle service in a large-scale network	Transport Policy, 2021
26	Dong <i>et al.</i>	Research on Intelligent Vehicle Infrastructure Cooperative System Based on Zigbee	The 5th International Conference on Transportation Information and Safety, 2019
27	Stan, Suciu and Potolea	Scalable Data Model for Traffic Congestion Avoidance in a Vehicle to Cloud Infrastructure	Sensors, 2021
28	Mathew, Li and Bullock	Signal Green Time Estimation Method for Connected Vehicle-to-Infrastructure Applications	IEEE, 2019
29	Alazzawi <i>et al.</i>	Simulating the Impact of Shared, Autonomous Vehicles on Urban Mobility - A Case Study of Milan	EPiC Series in Engineering, 2018
30	Lokhandwala and Cai	Siting charging stations for electric vehicle adoption in shared autonomous fleets	Transportation Research Part D, 2020
31	Li <i>et al.</i>	Sustainability Effects of Next-Generation Intersection Control for Autonomous Vehicles	Special Issue on Smart and Sustainable Transport, 2015
32	Davidson	The Algorithmic Governance of Connected Autonomous Vehicles: Data-driven Decision Support Systems and Smart Sustainable Urban Mobility Behaviors	Contemporary Readings in Law and Social Justice, 2020

33	Thomopoulos and Givoni	The autonomous car – a blessing or a curse for the future of low carbon mobility? An exploration of likely vs. desirable outcomes	European Journal of Futures Research, 2015
34	Golbabaee, Yigitcanlar and Bunker	The role of shared autonomous vehicle systems in delivering smart urban mobility: A systematic review of the literature	International Journal of Sustainable Transportation, 2021
35	Namazi and Taghavipour	Traffic flow and emissions improvement via Vehicle-to-vehicle and vehicle-to-infrastructure communication for an intelligent intersection	Asian Journal of Control, 2021
36	Chuprov, Viksnin and Kim	Urban Intersection Management with Connected Infrastructure Objects and Autonomous Vehicles	IEEE, 2019
37	Stasinopoulos, Shiwakoti and Beining	Use-stage life cycle greenhouse gas emissions of the transition to an autonomous vehicle fleet: A System Dynamics approach	Journal of Cleaner Production, 2021
38	Massar <i>et al.</i>	Impacts of autonomous vehicles on greenhouse gas emissions – positive or negative?	International Journal of Environmental Research and Public Health, 2021
39	Wadud, MacKenzie and Leiby	Help or hindrance? The travel, energy and carbon impacts of highly automated vehicles	Transportation Research Part A, 2016
40	Bichiou and Rakha	Vehicle Platooning: An Energy Consumption Perspective	IEEE 23 rd Conference on Intelligence Transport Systems (ITSC), 2020