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## Impact of Pavement Roughness and Deflection on Fuel Consumption Using Energy Dissipation

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#	Paper	IF	Citations
11	Classification of Variable Foundation Properties Based on Vehicle-Pavement-Foundation Interaction Dynamics. <i>Sensors</i> , <b>2020</b> , 20,	3.8	2
10	Development of a Simulated Three-Dimensional Truck Model to Predict Excess Fuel Consumption Resulting from Pavement Roughness. <i>Transportation Research Record</i> , 036119812110078	1.7	6
9	Integrating Pavement Sensing Data for Pavement Condition Evaluation. <i>Sensors</i> , <b>2021</b> , 21,	3.8	9
8	Impact of dynamic wheel load on roadway infrastructure sustainability. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2021</b> , 94, 102811	6.4	2
7	Ride comfort and energy dissipation of vehicle suspension system under non-stationary random road excitation. <i>Journal of Sound and Vibration</i> , <b>2021</b> , 511, 116347	3.9	4
6	The Identification of Road Subsidence Zone from Stochastic Modelling of Dynamic Characteristics of a Moving Vehicle. <i>International Journal of Highway Engineering</i> , <b>2018</b> , 20, 31-39	0	
5	A New Moving Kirchhoff-Love Plate Element for Dynamic Analysis of Vehicle-Pavement Interaction. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1-33	1.6	1
4	Vehicle excess fuel consumption due to pavement deflection. <i>Road Materials and Pavement Design</i> , 1-222.6		1
3	Mechanistic Excess Fuel Consumption of a 3D Passenger Vehicle on Rough Pavements. <b>2023</b> , 149,		0
2	Road Use Contributions to Energy Consumption and Greenhouse Gas Emissions for Two Flexible Pavement Maintenance Strategies. <b>2023</b> , 51, 20220272		0
1	Effects of Pavement Characteristics on Rolling Resistance of Heavy Vehicles: A Literature Review. 036119812201451		