

# Xiaowu Zhang

## List of Publications by Year in descending order

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12  
papers

733  
citations

933264

10  
h-index

1372474

10  
g-index

12  
all docs

12  
docs citations

12  
times ranked

539  
citing authors

#	ARTICLE	IF	CITATIONS
1	\$\text{Prius}^+\$ and \$\text{Volt}^-\$: Configuration Analysis of Power-Split Hybrid Vehicles With a Single Planetary Gear. IEEE Transactions on Vehicular Technology, 2012, 61, 3544-3552.	3.9	162
2	A survey of powertrain configuration studies on hybrid electric vehicles. Applied Energy, 2020, 262, 114553.	5.1	135
3	Efficient Exhaustive Search of Power-Split Hybrid Powertrains With Multiple Planetary Gears and Clutches. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	0.9	76
4	A Near-Optimal Power Management Strategy for Rapid Component Sizing of Multimode Power Split Hybrid Vehicles. IEEE Transactions on Control Systems Technology, 2015, 23, 609-618.	3.2	66
5	Mode shift map design and integrated energy management control of a multi-mode hybrid electric vehicle. Applied Energy, 2017, 204, 476-488.	5.1	56
6	Fuel-Saving Cruising Strategies for Parallel HEVs. IEEE Transactions on Vehicular Technology, 2016, 65, 4676-4686.	3.9	55
7	Minimize the Fuel Consumption of Connected Vehicles Between Two Red-Signalized Intersections in Urban Traffic. IEEE Transactions on Vehicular Technology, 2018, 67, 9060-9072.	3.9	47
8	Rapid Configuration Design of Multiple-Planetary-Gear Power-Split Hybrid Powertrain via Mode Combination. IEEE/ASME Transactions on Mechatronics, 2016, 21, 2924-2934.	3.7	46
9	Simultaneous Optimization of Topology and Component Sizes for Double Planetary Gear Hybrid Powertrains. Energies, 2016, 9, 411.	1.6	38
10	Automated Modeling and Mode Screening for Exhaustive Search of Double-Planetary-Gear Power Split Hybrid Powertrains. , 2014, , .		23
11	Mode Shift Schedule and Control Strategy Design of Multimode Hybrid Powertrain. IEEE Transactions on Control Systems Technology, 2020, 28, 804-815.	3.2	23
12	A near-optimal power management strategy for rapid component sizing of power split hybrid vehicles with multiple operating modes. , 2013, , .		6