

# Renkai Ding

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6119909/publications.pdf>

Version: 2024-02-01

18  
papers

266  
citations

1162367

8  
h-index

940134

16  
g-index

19  
all docs

19  
docs citations

19  
times ranked

157  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Research on time-delay-dependent $H^\infty/H^2$ optimal control of magnetorheological semi-active suspension with response delay. JVC/Journal of Vibration and Control, 2023, 29, 1447-1458.   | 1.5 | 8         |
| 2  | Switching control of semi-active suspension based on road profile estimation. Vehicle System Dynamics, 2022, 60, 1972-1992.  | 2.2 | 20        |
| 3  | Design and experimental verification of self-powered electromagnetic vibration suppression and absorption system for in-wheel motor electric vehicles. JVC/Journal of Vibration and Control, 2022, 28, 2544-2555.                                    | 1.5 | 3         |
| 4  | Investigation on hierarchical control for driving stability and safety of intelligent HEV during car-following and lane-change process. Science China Technological Sciences, 2022, 65, 53.  | 2.0 | 2         |
| 5  | Energy optimization for intelligent hybrid electric vehicles based on hybrid system approach in a car-following process. Optimal Control Applications and Methods, 2022, 43, 1020-1046.  | 1.3 | 2         |
| 6  | Intelligent switching control of hybrid electromagnetic active suspension based on road identification. Mechanical Systems and Signal Processing, 2021, 152, 107355.   | 4.4 | 15        |
| 7  | Vehicle attitude compensation control of magneto-rheological semi-active suspension based on state observer. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2021, 235, 3299-3313.                | 1.1 | 8         |
| 8  | Investigation on the dynamic performance of a new semi-active hydro-pneumatic inerter-based suspension system with MPC control strategy. Mechanical Systems and Signal Processing, 2021, 154, 107569.  | 4.4 | 26        |
| 9  | A new hybrid electromagnetic actuator for a modified skyhook control strategy with energy reduction. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2020, 234, 2025-2037.                        | 1.1 | 2         |
| 10 | On-line estimation of road profile in semi-active suspension based on unsprung mass acceleration. Mechanical Systems and Signal Processing, 2020, 135, 106370.   | 4.4 | 35        |
| 11 | Optimal Design and Experimental Research on a New Hybrid Electromagnetic Actuator for Vehicles. IEEE Access, 2020, 8, 95768-95778.   | 2.6 | 4         |
| 12 | Mode-switching control and stability analysis of a hybrid electromagnetic actuator for the vehicle suspension. JVC/Journal of Vibration and Control, 2020, 26, 1804-1814.  | 1.5 | 9         |
| 13 | A modified energy-saving skyhook for active suspension based on a hybrid electromagnetic actuator. JVC/Journal of Vibration and Control, 2019, 25, 286-297.  | 1.5 | 34        |
| 14 | Energy consumption sensitivity analysis and energy-reduction control of hybrid electromagnetic active suspension. Mechanical Systems and Signal Processing, 2019, 134, 106301.   | 4.4 | 21        |
| 15 | Energy-saving control strategy design and structure realization for electromagnetic active suspension. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 3060-3075.              | 1.1 | 4         |
| 16 | Application of hybrid electromagnetic suspension in vibration energy regeneration and active control. JVC/Journal of Vibration and Control, 2018, 24, 223-233.   | 1.5 | 49        |
| 17 | Study on coordinated control of the energy regeneration and the vibration isolation in a hybrid electromagnetic suspension. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2017, 231, 1530-1539. | 1.1 | 18        |
| 18 | Research into the Effect of Supercapacitor Terminal Voltage on Regenerative Suspension Energy-Regeneration and Dynamic Performance. Shock and Vibration, 2017, 2017, 1-8.  | 0.3 | 4         |