

# Dong Liang

## List of Publications by Year in descending order

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14  
papers

347  
citations

1163117

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1281871

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docs citations

15  
times ranked

298  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Singular-Perturbation-Based Nonlinear Hybrid Control of Redundant Parallel Robot. IEEE Transactions on Industrial Electronics, 2018, 65, 3326-3336.   | 7.9 | 80        |
| 2  | Optimum design of a novel redundantly actuated parallel manipulator with multiple actuation modes for high kinematic and dynamic performance. Nonlinear Dynamics, 2016, 83, 631-658.                    | 5.2 | 75        |
| 3  | Rigid-flexible coupling dynamic modeling and investigation of a redundantly actuated parallel manipulator with multiple actuation modes. Journal of Sound and Vibration, 2017, 403, 129-151.            | 3.9 | 65        |
| 4  | Dynamic modeling and hierarchical compound control of a novel 2-DOF flexible parallel manipulator with multiple actuation modes. Mechanical Systems and Signal Processing, 2018, 103, 413-439.          | 8.0 | 32        |
| 5  | Nonlinear dynamic modeling and performance analysis of a redundantly actuated parallel manipulator with multiple actuation modes based on FMD theory. Nonlinear Dynamics, 2017, 89, 391-428.            | 5.2 | 30        |
| 6  | Enhanced zero-order transmission of terahertz radiation pulses through very deep metallic gratings with subwavelength slits. Applied Physics Letters, 2006, 89, 041107.                                 | 3.3 | 22        |
| 7  | Analytical FRTU deployment approach for reliability improvement of integrated cyber-physical distribution systems. IET Generation, Transmission and Distribution, 2016, 10, 2631-2639.                  | 2.5 | 17        |
| 8  | Mathematical modeling and dynamic characteristic analysis of a novel parallel tracking mechanism for inter-satellite link antenna. Applied Mathematical Modelling, 2021, 93, 618-643.                   | 4.2 | 12        |
| 9  | Efficient modeling and integrated control for tracking and vibration of a lightweight parallel manipulator including servo motor dynamics. Mechanical Systems and Signal Processing, 2021, 153, 107502. | 8.0 | 8         |
| 10 | Modelling and Simulation of Forward Kinematics for Planar 3-DOF Parallel Robot Based on Simulink. Applied Mechanics and Materials, 2013, 397-400, 1552-1557.  | 0.2 | 4         |
| 11 | Dynamic Performance Analysis and Simulation of Hybrid-Driven Seven-Bar Mechanical Press with Double Cranks. Advanced Materials Research, 0, 834-836, 1327-1332.   | 0.3 | 1         |
| 12 | PQ decoupled 3-phase numerical observability analysis and critical data identification for distribution systems. International Transactions on Electrical Energy Systems, 2017, 27, e2317.              | 1.9 | 1         |
| 13 | Modeling and Simulation of Kinematics for Planar R-RRR-RRP Mechanism Based on Assur Rod Group Theory. Applied Mechanics and Materials, 2013, 423-426, 1879-1883.  | 0.2 | 0         |
| 14 | Modelling and Simulation of Kinematics for Planar R-2RRP-RRR Mechanism Based on SimMechanics and Adams. Advanced Materials Research, 0, 816-817, 753-757.   | 0.3 | 0         |