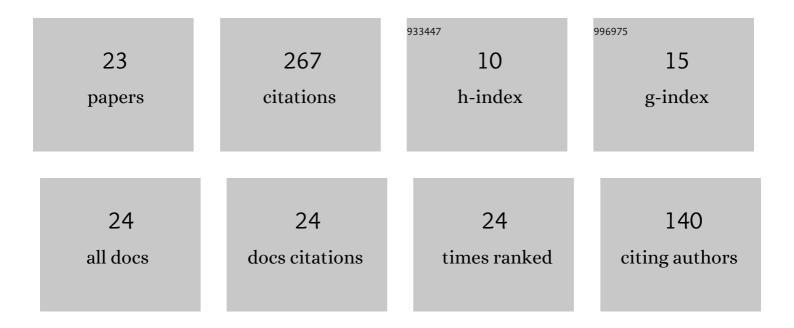
JianWei Sun

List of Publications by Year in descending order

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IIANW/FLSUN

| # | Article | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Numerical atlas method for path generation of spherical four-bar mechanism. Mechanism and Machine Theory, 2010, 45, 867-879. | 4.5 | 45 |
| 2 | A New Approach to Dimension Synthesis of Spatial Four-Bar Linkage Through Numerical Atlas Method. Journal of Mechanisms and Robotics, 2010, 2, . | 2.2 | 29 |
| 3 | Dimensional Synthesis of Open Path Generator of Four-Bar Mechanisms Using the Haar Wavelet. Journal of Mechanical Design, Transactions of the ASME, 2015, 137, . | 2.9 | 24 |
| 4 | Fascin induces melanoma tumorigenesis and stemness through regulating the Hippo pathway. Cell Communication and Signaling, 2018, 16, 37. | 6.5 | 23 |
| 5 | An Adaptive Bioinspired Foot Mechanism Based on Tensegrity Structures. Soft Robotics, 2019, 6, 778-789. | 8.0 | 17 |
| 6 | Motion generation of spherical four-bar mechanism using harmonic characteristic parameters. Mechanism and Machine Theory, 2016, 95, 76-92. | 4.5 | 15 |
| 7 | Synthesis of spherical four-bar linkage for open path generation using wavelet feature parameters. Mechanism and Machine Theory, 2018, 128, 33-46. | 4.5 | 15 |
| 8 | Sensor Reduction, Estimation, and Control of an Upper-Limb Exoskeleton. IEEE Robotics and Automation Letters, 2021, 6, 1012-1019. | 5.1 | 15 |
| 9 | Fourier series representation of the coupler curves of spatial linkages. Applied Mathematical Modelling, 2010, 34, 1396-1403. | 4.2 | 13 |
| 10 | Non-integer-period motion generation of a planar four-bar mechanism using wavelet series. Mechanism and Machine Theory, 2018, 121, 28-41. | 4.5 | 12 |
| 11 | Variable step-size numerical atlas method for path generation of spherical four-bar crank-slider mechanism. Inverse Problems in Science and Engineering, 2015, 23, 256-276. | 1.2 | 8 |
| 12 | Wavelet feature parameters representations of open planar curves. Applied Mathematical Modelling, 2018, 57, 614-624. | 4.2 | 8 |
| 13 | Design method for a bionic wrist based on tensegrity structures. Biosurface and Biotribology, 2020, 6, 31-36. | 1.5 | 8 |
| 14 | Synthesis of a non-integer periodic function generator of a four-bar mechanism using a Haar wavelet. Inverse Problems in Science and Engineering, 2016, 24, 763-784. | 1.2 | 6 |
| 15 | Synthesis of a Spatial RRSS Mechanism for Path Generation Using the Numerical Atlas Method. Journal of Mechanical Design, Transactions of the ASME, 2020, 142, . | 2.9 | 6 |
| 16 | Motion generation of RCCC mechanism using numerical atlas. Mechanics Based Design of Structures and Machines, 2017, 45, 62-75. | 4.7 | 5 |
| 17 | A Novel Synthesis Method for Nonperiodic Function Generation of an RCCC Mechanism. Journal of Mechanisms and Robotics, 2018, 10, . | 2.2 | 5 |
| 18 | A synthesis method for path generation of a planar five-bar mechanism based on dynamic self-adaptive atlas database. Inverse Problems in Science and Engineering, 2020, 28, 1609-1632. | 1.2 | 4 |

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| # | Article | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Synthesis of multiple tasks of a planar six-bar mechanism by wavelet series. Inverse Problems in Science and Engineering, 2019, 27, 388-406. | 1.2 | 3 |
| 20 | Design and wear resistance analysis of bionic roller for folding of automobile body cover parts based on pearl shell surface texture. Surface Topography: Metrology and Properties, 2020, 8, 045027. | 1.6 | 3 |
| 21 | Dimensional Synthesis of Non-periodic Function Generation of a Spatial RSSR Mechanism Using a Numerical Atlas Method. Mechanisms and Machine Science, 2020, , 12-20. | 0.5 | 1 |
| 22 | Design and analysis of bionic cobweb Umbrella-Type deployable mechanism. Mechanics Based Design of Structures and Machines, 2023, 51, 5106-5119. | 4.7 | 1 |
| 23 | Design and static analysis of new deployable mechanisms based on the four-bar slider–crank mechanism. Mechanics Based Design of Structures and Machines, 0, , 1-23. | 4.7 | 1 |