

# JianWei Sun

## List of Publications by Year in descending order

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23  
papers

267  
citations

933447

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h-index

996975

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g-index

24  
all docs

24  
docs citations

24  
times ranked

140  
citing authors

#	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

#	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