

# Chi Zhang

## List of Publications by Year in descending order

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197  
papers

8,323  
citations

81839

39  
h-index

60583

81  
g-index

209  
all docs

209  
docs citations

209  
times ranked

11540  
citing authors

#	ARTICLE	IF	CITATIONS
1	BEAST 2.5: An advanced software platform for Bayesian evolutionary analysis. <i>PLoS Computational Biology</i> , 2019, 15, e1006650.	1.5	2,484
2	The rapid and massive urban and industrial land expansions in China between 1990 and 2010: A CLUD-based analysis of their trajectories, patterns, and drivers. <i>Landscape and Urban Planning</i> , 2016, 145, 21-33.	3.4	314
3	Total-Evidence Dating under the Fossilized Birthâ€“Death Process. <i>Systematic Biology</i> , 2016, 65, 228-249.	2.7	304
4	Temperature Changes in Central Asia from 1979 to 2011 Based on Multiple Datasets*. <i>Journal of Climate</i> , 2014, 27, 1143-1167.	1.2	262
5	Evaluation of a Bayesian Coalescent Method of Species Delimitation. <i>Systematic Biology</i> , 2011, 60, 747-761.	2.7	242
6	China's terrestrial carbon balance: Contributions from multiple global change factors. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	1.9	231
7	Global methane and nitrous oxide emissions from terrestrial ecosystems due to multiple environmental changes. <i>Ecosystem Health and Sustainability</i> , 2015, 1, 1-20.	1.5	180
8	Bayesian Inference of Species Networks from Multilocus Sequence Data. <i>Molecular Biology and Evolution</i> , 2018, 35, 504-517.	3.5	158
9	Carbon stock and its responses to climate change in central Asia. <i>Global Change Biology</i> , 2015, 21, 1951-1967.	4.2	150
10	The spatiotemporal patterns of vegetation coverage and biomass of the temperate deserts in Central Asia and their relationships with climate controls. <i>Remote Sensing of Environment</i> , 2016, 175, 271-281.	4.6	150
11	Impacts of urbanization on carbon balance in terrestrial ecosystems of the Southern United States. <i>Environmental Pollution</i> , 2012, 164, 89-101.	3.7	137
12	OsCERK1-Mediated Chitin Perception and Immune Signaling Requires Receptor-like Cytoplasmic Kinase 185 to Activate an MAPK Cascade in Rice. <i>Molecular Plant</i> , 2017, 10, 619-633.	3.9	135
13	Evaluation of reanalysis, spatially interpolated and satellite remotely sensed precipitation data sets in central Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 5648-5663.	1.2	128
14	Cadmium (Cd) distribution and contamination in Chinese paddy soils on national scale. <i>Environmental Science and Pollution Research</i> , 2016, 23, 17941-17952.	2.7	126
15	Asymmetric elastoplasticity of stacked graphene assembly actualizes programmable untethered soft robotics. <i>Nature Communications</i> , 2020, 11, 4359.	5.8	110
16	A LysM Receptor Heteromer Mediates Perception of Arbuscular Mycorrhizal Symbiotic Signal in Rice. <i>Molecular Plant</i> , 2019, 12, 1561-1576.	3.9	106
17	Phthalic Acid Esters: Natural Sources and Biological Activities. <i>Toxins</i> , 2021, 13, 495.	1.5	100
18	Quantifying the heat flux regulation of metropolitan land use/land cover components by coupling remote sensing modeling with in situ measurement. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 113-130.	1.2	85

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19	Hormone modulation of legume-rhizobial symbiosis. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 632-648.	4.1	85
20	Taming the BEAST—A Community Teaching Material Resource for BEAST 2. <i>Systematic Biology</i> , 2018, 67, 170-174.	2.7	79
21	Robustness of Compound Dirichlet Priors for Bayesian Inference of Branch Lengths. <i>Systematic Biology</i> , 2012, 61, 779-784.	2.7	73
22	Predicting the spatiotemporal variation in soil wind erosion across Central Asia in response to climate change in the 21st century. <i>Science of the Total Environment</i> , 2020, 709, 136060.	3.9	69
23	The potential geographical distribution of Haloxylon across Central Asia under climate change in the 21st century. <i>Agricultural and Forest Meteorology</i> , 2019, 275, 243-254.	1.9	65
24	Extent of Cropland and Related Soil Erosion Risk in Rwanda. <i>Sustainability</i> , 2016, 8, 609.	1.6	61
25	Discriminating symbiosis and immunity signals by receptor competition in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	59
26	Potential Allelochemicals from an Invasive Weed <i>Mikania micrantha</i> H.B.K.. <i>Journal of Chemical Ecology</i> , 2005, 31, 1657-1668.	0.9	58
27	Impacts of impervious surface expansion on soil organic carbon — a spatially explicit study. <i>Scientific Reports</i> , 2015, 5, 17905.	1.6	54
28	Soil Erosion Risk Assessment in Uganda. <i>Forests</i> , 2017, 8, 52.	0.9	54
29	Evaluation and Intercomparison of High-Resolution Satellite Precipitation Estimates—GPM, TRMM, and CMORPH in the Tianshan Mountain Area. <i>Remote Sensing</i> , 2018, 10, 1543.	1.8	53
30	Bayesian Species Delimitation Can Be Robust to Guide-Tree Inference Errors. <i>Systematic Biology</i> , 2014, 63, 993-1004.	2.7	52
31	Light Propagation in Flexible Thin-Film Amorphous Silicon Solar Cells with Nanotextured Metal Back Reflectors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 26184-26192.	4.0	49
32	An EcoCity model for regulating urban land cover structure and thermal environment: Taking Beijing as an example. <i>Science China Earth Sciences</i> , 2017, 60, 1098-1109.	2.3	47
33	Effects of Forest Regrowth and Urbanization on Ecosystem Carbon Storage in a Rural—Urban Gradient in the Southeastern United States. <i>Ecosystems</i> , 2008, 11, 1211-1222.	1.6	46
34	Coupled SSPs-RCPs scenarios to project the future dynamic variations of water-soil-carbon-biodiversity services in Central Asia. <i>Ecological Indicators</i> , 2021, 129, 107936.	2.6	46
35	Complex climatic and CO <sub>2</sub> controls on net primary productivity of temperate dryland ecosystems over central Asia during 1980—2014. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 2356-2374.	1.3	45
36	Complex Spatiotemporal Responses of Global Terrestrial Primary Production to Climate Change and Increasing Atmospheric CO <sub>2</sub> in the 21st Century. <i>PLoS ONE</i> , 2014, 9, e112810.	1.1	45

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37	USLE-Based Assessment of Soil Erosion by Water in the Nyabarongo River Catchment, Rwanda. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 835.	1.2	44
38	Deforestation Effects on Soil Erosion in the Lake Kivu Basin, D.R. Congo-Rwanda. <i>Forests</i> , 2016, 7, 281.	0.9	44
39	Variations in ecosystem service value in response to land use/land cover changes in Central Asia from 1995â€“2035. <i>PeerJ</i> , 2019, 7, e7665.	0.9	44
40	Modeling Rainfall-Runoff Response to Land Use and Land Cover Change in Rwanda (1990â€“2016). <i>Water (Switzerland)</i> , 2017, 9, 147.	1.2	42
41	Main Alkaloids of <i>Peganum harmala</i> L. and Their Different Effects on Dicot and Monocot Crops. <i>Molecules</i> , 2013, 18, 2623-2634.	1.7	41
42	Impacts of climatic and atmospheric changes on carbon dynamics in the Great Smoky Mountains National Park. <i>Environmental Pollution</i> , 2007, 149, 336-347.	3.7	39
43	Urban Land-Cover Change and Its Impact on the Ecosystem Carbon Storage in a Dryland City. <i>Remote Sensing</i> , 2016, 8, 6.	1.8	39
44	Chemical Composition, Phytotoxic, Antimicrobial and Insecticidal Activity of the Essential Oils of <i>Dracocephalum integrifolium</i> . <i>Toxins</i> , 2019, 11, 598.	1.5	39
45	A Simulation-Based Evaluation of Tip-Dating Under the Fossilized Birthâ€“Death Process. <i>Systematic Biology</i> , 2020, 69, 325-344.	2.7	39
46	<scp>WRF</scp> simulation and downscaling of local climate in Central Asia. <i>International Journal of Climatology</i> , 2017, 37, 513-528.	1.5	38
47	A Free-Piston Linear Generator Control Strategy for Improving Output Power. <i>Energies</i> , 2018, 11, 135.	1.6	38
48	Relative contributions of climate and land-use change to ecosystem services in arid inland basins. <i>Journal of Cleaner Production</i> , 2021, 298, 126844.	4.6	38
49	Modeling the carbon dynamics of the dryland ecosystems in Xinjiang, China from 1981 to 2007â€“The spatiotemporal patterns and climate controls. <i>Ecological Modelling</i> , 2013, 267, 148-157.	1.2	33
50	Modeling plant structure and its impacts on carbon and water cycles of the Central Asian arid ecosystem in the context of climate change. <i>Ecological Modelling</i> , 2013, 267, 158-179.	1.2	30
51	Cranial endocast of a stem platyrrhine primate and ancestral brain conditions in anthropoids. <i>Science Advances</i> , 2019, 5, eaav7913.	4.7	30
52	Bayesian tip dating reveals heterogeneous morphological clocks in Mesozoic birds. <i>Royal Society Open Science</i> , 2019, 6, 182062.	1.1	30
53	Dynamics of landscape patterns in an inland river delta of Central Asia based on a cellular automata-Markov model. <i>Regional Environmental Change</i> , 2015, 15, 277-289.	1.4	29
54	Mapping the land-cover distribution in arid and semiarid urban landscapes with Landsat Thematic Mapper imagery. <i>International Journal of Remote Sensing</i> , 2015, 36, 4483-4500.	1.3	28

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55	Ammoniumâ€‘crown ether supramolecular cation-templated assembly of an unprecedented heterobiclusterâ€‘metal coordination polymer with enhanced NLO properties. <i>Chemical Communications</i> , 2016, 52, 3797-3800.	2.2	28
56	A Review of the Design and Control of Free-Piston Linear Generator. <i>Energies</i> , 2018, 11, 2179.	1.6	26
57	Kinematic Design of a 2R1T Robotic End-Effector With Flexure Joints. <i>IEEE Access</i> , 2020, 8, 57204-57213.	2.6	26
58	Industrial land expansion in rural China threatens environmental securities. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	3.3	26
59	Massive cranium from Harbin in northeastern China establishes a new Middle Pleistocene human lineage. <i>Innovation(China)</i> , 2021, 2, 100130.	5.2	26
60	Isolating and Quantifying the Effects of Climate and CO2 Changes (1980â€‘2014) on the Net Primary Productivity in Arid and Semiarid China. <i>Forests</i> , 2017, 8, 60.	0.9	24
61	Enhancement of oxidative stress contributes to increased pathogenicity of the invasive pine wood nematode. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180323.	1.8	24
62	Impacts of climate change on key soil ecosystem services and interactions in Central Asia. <i>Ecological Indicators</i> , 2020, 116, 106490.	2.6	24
63	Detecting fractional land-cover change in arid and semiarid urban landscapes with multitemporal Landsat Thematic mapper imagery. <i>GIScience and Remote Sensing</i> , 2015, 52, 700-722.	2.4	23
64	Added Value of a Dynamical Downscaling Approach for Simulating Precipitation and Temperature Over Tianshan Mountains Area, Central Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 11051-11069.	1.2	23
65	Chemical composition and phytotoxic activity of the volatile oil of invasive <i>Xanthium italicum</i> Moretti from Xinjiang, China. <i>Journal of Arid Land</i> , 2013, 5, 324-330.	0.9	21
66	A spatial-explicit dynamic vegetation model that couples carbon, water, and nitrogen processes for arid and semiarid ecosystems. <i>Journal of Arid Land</i> , 2013, 5, 102-117.	0.9	21
67	Chemical Composition and Phytotoxic Activity of <i>Seriphidium terraealbae</i> (<sc>Krasch</sc>.) <sc>Poljakov</sc> (Compositae) Essential Oil. <i>Chemistry and Biodiversity</i> , 2018, 15, e1800348.	1.0	21
68	Allelopathic, Phytotoxic, and Insecticidal Effects of <i>Thymus proximus</i> Serg. Essential Oil and Its Major Constituents. <i>Frontiers in Plant Science</i> , 2021, 12, 689875.	1.7	21
69	The Temporal and Spatial Distributions of the Near-Surface CO2 Concentrations in Central Asia and Analysis of Their Controlling Factors. <i>Atmosphere</i> , 2017, 8, 85.	1.0	20
70	City-Level Comparison of Urban Land-Cover Configurations from 2000â€‘2015 across 65 Countries within the Global Belt and Road. <i>Remote Sensing</i> , 2019, 11, 1515.	1.8	20
71	The Global Spatiotemporal Distribution of the Mid-Tropospheric CO2 Concentration and Analysis of the Controlling Factors. <i>Remote Sensing</i> , 2019, 11, 94.	1.8	20
72	Molecular signatures of X chromosome inactivation and associations with clinical outcomes in epithelial ovarian cancer. <i>Human Molecular Genetics</i> , 2019, 28, 1331-1342.	1.4	19

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73	Chemical Composition and Allelopathic, Phytotoxic and Pesticidal Activities of <i>Atriplex cana</i> Ledeb. (Amaranthaceae) Essential Oil. <i>Chemistry and Biodiversity</i> , 2019, 16, e1800595.	1.0	19
74	Sexual selection promotes giraffoid head-neck evolution and ecological adaptation. <i>Science</i> , 2022, 376, .	6.0	19
75	Analysis of spatial and temporal patterns of aboveground net primary productivity in the Eurasian steppe region from 1982 to 2013. <i>Ecology and Evolution</i> , 2017, 7, 5149-5162.	0.8	18
76	Urban Land-Cover Dynamics in Arid China Based on High-Resolution Urban Land Mapping Products. <i>Remote Sensing</i> , 2017, 9, 730.	1.8	18
77	Contributions of climate change to the terrestrial carbon stock of the arid region of China: A multi-dataset analysis. <i>Science of the Total Environment</i> , 2019, 668, 631-644.	3.9	18
78	Assessing Community-Level Livability Using Combined Remote Sensing and Internet-Based Big Geospatial Data. <i>Remote Sensing</i> , 2020, 12, 4026.	1.8	18
79	Identification of conservation priorities in the major basins of Central Asia: Using an integrated GIS-based ordered weighted averaging approach. <i>Journal of Environmental Management</i> , 2021, 298, 113442.	3.8	18
80	Phytotoxic Effects and a Phytotoxin from the Invasive Plant <i>Xanthium italicum</i> Moretti. <i>Molecules</i> , 2012, 17, 4037-4046.	1.7	17
81	Using Parsimony-Guided Tree Proposals to Accelerate Convergence in Bayesian Phylogenetic Inference. <i>Systematic Biology</i> , 2020, 69, 1016-1032.	2.7	17
82	Paleogene mammalian fauna exchanges and the paleogeographic pattern in Asia. <i>Science China Earth Sciences</i> , 2020, 63, 202-211.	2.3	16
83	Accurate Subdomain Model for Computing Magnetic Field of Short Moving-Magnet Linear Motor With Halbach Array. <i>IEEE Transactions on Magnetics</i> , 2020, 56, 1-9.	1.2	16
84	Characterizing cross-scale chaotic behaviors of the runoff time series in an inland river of Central Asia. <i>Quaternary International</i> , 2013, 311, 132-139.	0.7	15
85	Large-scale rain-fed to paddy farmland conversion modified land-surface thermal properties in Cold China. <i>Science of the Total Environment</i> , 2020, 722, 137917.	3.9	15
86	The patterns and modes of the evolution of disparity in Mesozoic birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20203105.	1.2	15
87	Design and analysis of a permanent magnet linear generator for a free-piston energy converter. , 2014, , .		14
88	A Review on Disturbance Analysis and Suppression for Permanent Magnet Linear Synchronous Motor. <i>Actuators</i> , 2021, 10, 77.	1.2	14
89	Fossoriality and evolutionary development in two Cretaceous mammalianomorphs. <i>Nature</i> , 2021, 592, 577-582.	13.7	14
90	Carbon input manipulations affecting microbial carbon metabolism in temperate forest soils – A comparative study between broadleaf and coniferous plantations. <i>Geoderma</i> , 2019, 355, 113914.	2.3	13

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91	A survey on design of reaction spheres and associated speed and orientation measurement technologies. <i>ISA Transactions</i> , 2020, 99, 417-431.	3.1	13
92	Characteristics and utilization of plant diversity and resources in Central Asia. <i>Regional Sustainability</i> , 2020, 1, 1-10.	1.1	13
93	Chemical profile and phytotoxic action of <i>Onopordum acanthium</i> essential oil. <i>Scientific Reports</i> , 2020, 10, 13568.	1.6	13
94	Metabolomics Reveals the Allelopathic Potential of the Invasive Plant <i>Eupatorium adenophorum</i> . <i>Plants</i> , 2021, 10, 1473.	1.6	13
95	Time Tracking of Different Cropping Patterns Using Landsat Images under Different Agricultural Systems during 1990–2050 in Cold China. <i>Remote Sensing</i> , 2018, 10, 2011.	1.8	12
96	Chemical composition and phytotoxic activity of the essential oil of <i>Artemisia sieversiana</i> growing in Xinjiang, China. <i>Natural Product Research</i> , 2020, , 1-6.	1.0	12
97	Theoretical Insights into Morphologies of Alkali-Promoted Cobalt Carbide Catalysts for Fischer–Tropsch Synthesis. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6061-6072.	1.5	12
98	External-Template-Assisted Formation of Octacyanometalate-Based $M_{1-x}V_x$ - $Mn_{1-x}Mg_x$ (M) $Tj$ ETQq0 0 0 rgBT / Chemistry, 2015, 2015, 2110-2119.	1.0	11
99	Decoupling Design and Verification of a Free-Piston Linear Generator. <i>Energies</i> , 2016, 9, 1067.	1.6	11
100	A Vision-Based Robotic Laser Welding System for Insulated Mugs with Fuzzy Seam Tracking Control. <i>Symmetry</i> , 2019, 11, 1385.	1.1	11
101	Two Phytotoxins Isolated from the Pathogenic Fungus of the Invasive Weed <i>Xanthium italicum</i> . <i>Chemistry and Biodiversity</i> , 2020, 17, e2000043.	1.0	11
102	A large-scale shift of cropland structure profoundly affects grain production in the cold region of China. <i>Journal of Cleaner Production</i> , 2021, 307, 127300.	4.6	11
103	Exploring the relationship between key ecosystem services and socioecological drivers in alpine basins: A case of Issyk-Kul Basin in Central Asia. <i>Global Ecology and Conservation</i> , 2021, 29, e01729.	1.0	11
104	Evaluation of the phytotoxic effect of the essential oil from <i>Artemisia absinthium</i> . <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112856.	2.9	11
105	Study on Stiffness-Oriented Cable Tension Distribution for a Symmetrical Cable-Driven Mechanism. <i>Symmetry</i> , 2019, 11, 1158.	1.1	10
106	Robust Continuous Sliding Mode Control for Manipulator PMSM Trajectory Tracking System Under Time-Varying Uncertain Disturbances. <i>IEEE Access</i> , 2020, 8, 196618-196632.	2.6	10
107	Interactive and individual effects of multi-factor controls on water use efficiency in Central Asian ecosystems. <i>Environmental Research Letters</i> , 2020, 15, 084025.	2.2	10
108	Motion Trajectories Prediction of Lower Limb Exoskeleton Based on Long Short-Term Memory (LSTM) Networks. <i>Actuators</i> , 2022, 11, 73.	1.2	10

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109	Modeling of a Halbach Array Voice Coil Actuator via Fourier Analysis Based on Equivalent Structure. IEEE Transactions on Magnetics, 2019, 55, 1-6.	1.2	8
110	The origin of Rhinoceroidea and phylogeny of Ceratomorpha (Mammalia, Perissodactyla). Communications Biology, 2020, 3, 509.	2.0	8
111	Deep time diversity and the early radiations of birds. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	8
112	Allelopathic Effect of Serphidium kaschgaricum (Krasch.) Poljak. Volatiles on Selected Species. Plants, 2021, 10, 495.	1.6	8
113	Dynamic simulation of a novel free-piston linear generator. , 2015, , .		7
114	Low LEF1 expression is a biomarker of early T-cell precursor, an aggressive subtype of T-cell lymphoblastic leukemia. PLoS ONE, 2020, 15, e0232520.	1.1	7
115	Exploring the relative importance of socio-ecological factors to ecosystem services clusters: a support to spatially targeted management. Environmental Research Letters, 2021, 16, 084053.	2.2	7
116	The Need for Awareness of Drinking Water Loss Reduction for Sustainable Water Resource Management in Rwanda. Journal of Geoscience and Environment Protection, 2016, 04, 74-87.	0.2	7
117	Selecting and averaging relaxed clock models in Bayesian tip dating of Mesozoic birds. Paleobiology, 2022, 48, 340-352.	1.3	7
118	Analytical models of electromagnetic field and torques in a novel reaction sphere actuator. , 2018, , .		6
119	Mapping Spring Ephemeral Plants in Northern Xinjiang, China. Sustainability, 2018, 10, 804.	1.6	6
120	Design and Optimization of a Magnetically Levitated Inductive Reaction Sphere for Spacecraft Attitude Control. Energies, 2019, 12, 1553.	1.6	6
121	Accurate Calculation of Magnetic Field of Same-Pole and Same-Slot Surface-Mounted Three-Phase Permanent Magnet Synchronous Motor. IEEE Transactions on Magnetics, 2022, 58, 1-10.	1.2	6
122	Step-by-step pipeline processing approach for line segment detection. IET Image Processing, 2017, 11, 416-424.	1.4	5
123	Analytical calculation of air gap magnetic field in permanent magnet linear motors. , 2017, , .		5
124	Torque optimization of a novel reaction sphere actuator based on support vector machines. , 2018, , .		5
125	Kinematic Design of a 3-DOF Force-controlled End-effector with Flexure Joints for Robotic Finishing Applications. , 2019, , .		5
126	High Weight-Specific Power Density of Thin-Film Amorphous Silicon Solar Cells on Graphene Papers. Nanoscale Research Letters, 2019, 14, 324.	3.1	5



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127	Carbon variation of dry grasslands in Central Asia in response to climate controls and grazing appropriation. Environmental Science and Pollution Research, 2022, 29, 32205-32219.	2.7	5
128	Still-to-Video face recognition via weighted scenario oriented discriminant analysis. , 2014, , .		4
129	Design optimization for a 2-DOF cable-driven joint with large stiffness range. , 2017, , .		4
130	Ventilation system design and rotor air friction loss of high-speed permanent magnet machines. , 2017, , .		4
131	Software Architecture Modeling and Reliability Evaluation Based on Petri Net. , 2017, , .		4
132	Projecting the CO2 and Climatic Change Effects on the Net Primary Productivity of the Urban Ecosystems in Phoenix, AZ in the 21st Century under Multiple RCP (Representative Concentration) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50		4
133	Optimal Design and Tracking Control of a Superelastic Flexure Hinge Based 3-PRR Compliant Parallel Manipulator. IEEE Access, 2019, 7, 174236-174247.	2.6	4
134	Control Strategy for Smooth Wire Sending and Constant Tension in Multiwire Slicer. IEEE Transactions on Industrial Informatics, 2019, 15, 1668-1677.	7.2	4
135	Palaeoproteomic analysis of Pleistocene cave hyenas from east Asia. Scientific Reports, 2020, 10, 16674.	1.6	4
136	Total-Evidence Dating and the Fossilized Birthâ€“Death Model. , 2020, , 175-193.		4
137	A new bacteriaâ€“free strategy induced by MaGal2 facilitates pinewood nematode escape immune response from its vector beetle. Insect Science, 2021, 28, 1087-1102.	1.5	4
138	Design and Modeling of a Compound Twisted and Coiled Actuator Based on Spandex Fibers and an SMA Skeleton. IEEE Robotics and Automation Letters, 2022, 7, 1439-1446.	3.3	4
139	Kinematic Calibration of a 4PPa-2PaR Parallel Mechanism With Subchains on Limbs. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	4
140	Assembly Configuration Representation and Kinematic Modeling for Modular Reconfigurable Robots Based on Graph Theory. Symmetry, 2022, 14, 433.	1.1	4
141	Research on the Intake Port of a Uniflow Scavenging GDI Opposed-Piston Two-Stroke Engine. Energies, 2022, 15, 2148.	1.6	4
142	Modeling and Synchronized Control of a Dual-Drive â€œCheckerboardâ€•Gantry With Composite Adaptive Feedforward and RISE Feedback. IEEE/ASME Transactions on Mechatronics, 2022, 27, 2044-2052.	3.7	4
143	Vibration analysis of high-speed ball-screw drive in machine tool feed system. , 2014, , .		3
144	Analytical calculation of air-gap magnetic field of surface-mounted permanent magnet motor with bread-loaf magnets. , 2017, , .		3

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145	Design and Analysis of A Novel AFPM with Opposite-Rotation Dual Rotors. , 2019, , .		3
146	Cable Tension Analysis Oriented the Enhanced Stiffness of a 3-DOF Joint Module of a Modular Cable-Driven Human-Like Robotic Arm. Applied Sciences (Switzerland), 2020, 10, 8871.	1.3	3
147	Non-Geometric Error Compensation for Long-Stroke Cartesian Robot With Semi-Analytical Beam Deformation and Gaussian Process Regression Model. IEEE Access, 2021, 9, 51910-51924.	2.6	3
148	Design and Analysis of a Stiffness-Enhanced 3-PPS Parallel Mechanism for Fault-Tolerant Underwater Vectored Thrusters. Machines, 2022, 10, 88.	1.2	3
149	Design of a cylindrical moving core small linear PM oscillatory actuator. , 2014, , .		2
150	Design and dynamic response analysis of a flexure-based nano-positioning system. , 2016, , .		2
151	Guest Editorial Special Section on Emerging Information Sharing and Design Technologies on Robotics and Mechatronics Systems for Intelligent Manufacturing. IEEE Transactions on Industrial Informatics, 2019, 15, 1643-1646.	7.2	2
152	Modeling and Force Control of Robotic Polishing System for the Wheel Hubs. , 2019, , .		2
153	Energy-Efficient Torque Distribution Optimization for an Omnidirectional Mobile Robot with Powered Caster Wheels. Energies, 2019, 12, 4417.	1.6	2
154	Vision-based initial point alignment control for the wheel hubs in the robotic polishing system. International Journal of Advanced Manufacturing Technology, 2020, 111, 1471-1481.	1.5	2
155	The Responses of the Ecosystems in the Tianshan North Slope under Multiple Representative Concentration Pathway Scenarios in the Middle of the 21st Century. Sustainability, 2020, 12, 427.	1.6	2
156	Design of Full-Order State Observer for Motor Drive Systems Based on the Fixed Gain Filter. IEEE Access, 2021, 9, 13488-13498.	2.6	2
157	A Swing Start-up Strategy of Modular Free Piston Linear Generator Based on State Identification. , 2021, , .		2
158	A Feasible Method for Evaluating Energy Consumption of Industrial Robots. , 2021, , .		2
159	Equivalent Circuit Modeling of an Induction Reaction Sphere for Microspacecraft Attitude Control. IEEE Transactions on Magnetics, 2021, 57, 1-8.	1.2	2
160	Tension reduction method for a modular cable-driven robotic arm with co-shared cables. Intelligent Service Robotics, 2022, 15, 27-38.	1.6	2
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