

Chi Zhang

List of Publications by Year in descending order

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197
papers

8,323
citations

81900

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58581

82
g-index

209
all docs

209
docs citations

209
times ranked

11540
citing authors

#	ARTICLE	IF	CITATIONS
1	Tension reduction method for a modular cable-driven robotic arm with co-shared cables. <i>Intelligent Service Robotics</i> , 2022, 15, 27-38.	2.6	2
2	Design and Modeling of a Compound Twisted and Coiled Actuator Based on Spandex Fibers and an SMA Skeleton. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 1439-1446.	5.1	4
3	Design and Analysis of a Stiffness-Enhanced 3-PPS Parallel Mechanism for Fault-Tolerant Underwater Vectored Thrusters. <i>Machines</i> , 2022, 10, 88.	2.2	3
4	Harmonic and Vibration Analysis of Dual Three-Phase PMSM with One-Phase Open Circuit Fault. <i>Symmetry</i> , 2022, 14, 290.	2.2	1
5	Carbon variation of dry grasslands in Central Asia in response to climate controls and grazing appropriation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 32205-32219.	5.3	5
6	Design and Positioning Control of a Flexure-Based Nano-positioning Stage Driven by Halbach Array Voice Coil Actuator. <i>International Journal of Precision Engineering and Manufacturing</i> , 2022, 23, 281-290.	2.2	2
7	A "Look-Backward-and-Forward" Adaptation Strategy for Assessing Parameter Estimation Error of Human Motion Prediction Model. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 2629-2636.	5.1	2
8	Kinematic Calibration of a 4PPa-2PaR Parallel Mechanism With Subchains on Limbs. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-11.	4.7	4
9	Motion Trajectories Prediction of Lower Limb Exoskeleton Based on Long Short-Term Memory (LSTM) Networks. <i>Actuators</i> , 2022, 11, 73.	2.3	10
10	Assembly Configuration Representation and Kinematic Modeling for Modular Reconfigurable Robots Based on Graph Theory. <i>Symmetry</i> , 2022, 14, 433.	2.2	4
11	Decoupled identification and compensation of nonlinear hysteresis cascading with linear dynamic in a moving magnet voice coil actuator. <i>Review of Scientific Instruments</i> , 2022, 93, 035005.	1.3	0
12	Research on the Intake Port of a Uniflow Scavenging GDI Opposed-Piston Two-Stroke Engine. <i>Energies</i> , 2022, 15, 2148.	3.1	4
13	Selecting and averaging relaxed clock models in Bayesian tip dating of Mesozoic birds. <i>Paleobiology</i> , 2022, 48, 340-352.	2.0	7
14	A Formal Verification Method for the SOPC Software. <i>IEEE Transactions on Reliability</i> , 2022, 71, 818-829.	4.6	2
15	Piecewise modeling and compensation of geometric errors in five-axis machine tools by local product of exponentials formula. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 121, 2987-3004.	3.0	2
16	Modeling and Synchronized Control of a Dual-Drive "Checkerboard" Gantry With Composite Adaptive Feedforward and RISE Feedback. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 2044-2052.	5.8	4
17	Sexual selection promotes giraffoid head-neck evolution and ecological adaptation. <i>Science</i> , 2022, 376, .	12.6	19
18	Accurate Calculation of Magnetic Field of Same-Pole and Same-Slot Surface-Mounted Three-Phase Permanent Magnet Synchronous Motor. <i>IEEE Transactions on Magnetics</i> , 2022, 58, 1-10.	2.1	6

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19	Industrial land expansion in rural China threatens environmental securities. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	6.0	26
20	Chemical Profile and Phytotoxic Action of Hibiscus trionum Essential Oil. <i>Chemistry and Biodiversity</i> , 2021, 18, e2000897.	2.1	1
21	Design of Full-Order State Observer for Motor Drive Systems Based on the Fixed Gain Filter. <i>IEEE Access</i> , 2021, 9, 13488-13498.	4.2	2
22	Non-Geometric Error Compensation for Long-Stroke Cartesian Robot With Semi-Analytical Beam Deformation and Gaussian Process Regression Model. <i>IEEE Access</i> , 2021, 9, 51910-51924.	4.2	3
23	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.	2.6	15
24	Deep time diversity and the early radiations of birds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	8
25	Allelopathic Effect of <i>Serphidium kaschgaricum</i> (Krasch.) Poljak. Volatiles on Selected Species. <i>Plants</i> , 2021, 10, 495.	3.5	8
26	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.	3.1	12
27	A Review on Disturbance Analysis and Suppression for Permanent Magnet Linear Synchronous Motor. <i>Actuators</i> , 2021, 10, 77.	2.3	14
28	Fossoriality and evolutionary development in two Cretaceous mammalian morphs. <i>Nature</i> , 2021, 592, 577-582.	27.8	14
29	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, .	7.1	59
30	A Novel Composite Controller Design for Manipulator with Flexible Component under Time-varying Uncertainties and Disturbances. , 2021, , .		0
31	Relative contributions of climate and land-use change to ecosystem services in arid inland basins. <i>Journal of Cleaner Production</i> , 2021, 298, 126844.	9.3	38
32	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.	3.6	21
33	Metabolomics Reveals the Allelopathic Potential of the Invasive Plant <i>Eupatorium adenophorum</i> . <i>Plants</i> , 2021, 10, 1473.	3.5	13
34	A Swing Start-up Strategy of Modular Free Piston Linear Generator Based on State Identification. , 2021, , .		2
35	Phthalic Acid Esters: Natural Sources and Biological Activities. <i>Toxins</i> , 2021, 13, 495.	3.4	100
36	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.	9.3	11

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37	Exploring the relative importance of socio-ecological factors to ecosystem services clusters: a support to spatially targeted management. <i>Environmental Research Letters</i> , 2021, 16, 084053.	5.2	7
38	A Feasible Method for Evaluating Energy Consumption of Industrial Robots. , 2021, , .		2
39	Massive cranium from Harbin in northeastern China establishes a new Middle Pleistocene human lineage. <i>Innovation(China)</i> , 2021, 2, 100130.	9.1	26
40	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.	2.1	11
41	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.	6.3	46
42	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.	7.8	18
43	Equivalent Circuit Modeling of an Induction Reaction Sphere for Microspacecraft Attitude Control. <i>IEEE Transactions on Magnetics</i> , 2021, 57, 1-8.	2.1	2
44	Evaluation of the phytotoxic effect of the essential oil from <i>Artemisia absinthium</i> . <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112856.	6.0	11
45	A new bacteria-free strategy induced by MaGal2 facilitates pinewood nematode escape immune response from its vector beetle. <i>Insect Science</i> , 2021, 28, 1087-1102.	3.0	4
46	Robotic Peg-in-Hole Assembly System Based on Vision and Fuzzy Control. , 2021, , .		0
47	Dynamics Analysis of a Novel Underwater Vectored Thruster Based on 3-PPS Parallel Mechanism. , 2021, , .		0
48	Dynamics Modeling of Dual-Drive H-type Cartesian Robot with Replaceable Flexible Joints Based on the Pseudo-Rigid-Body Model. , 2021, , .		0
49	A Simulation-Based Evaluation of Tip-Dating Under the Fossilized Birth-Death Process. <i>Systematic Biology</i> , 2020, 69, 325-344.	5.6	39
50	Paleogene mammalian fauna exchanges and the paleogeographic pattern in Asia. <i>Science China Earth Sciences</i> , 2020, 63, 202-211.	5.2	16
51	A survey on design of reaction spheres and associated speed and orientation measurement technologies. <i>ISA Transactions</i> , 2020, 99, 417-431.	5.7	13
52	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.	8.0	69
53	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.	1.8	12
54	Characteristics and utilization of plant diversity and resources in Central Asia. <i>Regional Sustainability</i> , 2020, 1, 1-10.	2.3	13

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55	Chemical profile and phytotoxic action of <i>Onopordum acanthium</i> essential oil. <i>Scientific Reports</i> , 2020, 10, 13568.	3.3	13
56	Review of design and modeling of dielectric elastomer actuators. , 2020, , .		0
57	Vision-based initial point alignment control for the wheel hubs in the robotic polishing system. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 111, 1471-1481.	3.0	2
58	Palaeoproteomic analysis of Pleistocene cave hyenas from east Asia. <i>Scientific Reports</i> , 2020, 10, 16674.	3.3	4
59	The origin of Rhinoceroidea and phylogeny of Ceratomorpha (Mammalia, Perissodactyla). <i>Communications Biology</i> , 2020, 3, 509.	4.4	8
60	A Hybrid Analytical and Data-driven Modeling Approach for Calibration of Heavy-duty Cartesian Robot*. , 2020, , .		1
61	Asymmetric elastoplasticity of stacked graphene assembly actualizes programmable untethered soft robotics. <i>Nature Communications</i> , 2020, 11, 4359.	12.8	110
62	Robust Continuous Sliding Mode Control for Manipulator PMSM Trajectory Tracking System Under Time-Varying Uncertain Disturbances. <i>IEEE Access</i> , 2020, 8, 196618-196632.	4.2	10
63	Assessing Community-Level Livability Using Combined Remote Sensing and Internet-Based Big Geospatial Data. <i>Remote Sensing</i> , 2020, 12, 4026.	4.0	18
64	Cable Tension Analysis Oriented the Enhanced Stiffness of a 3-DOF Joint Module of a Modular Cable-Driven Human-Like Robotic Arm. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8871.	2.5	3
65	Light Propagation in Flexible Thin-Film Amorphous Silicon Solar Cells with Nanotextured Metal Back Reflectors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26184-26192.	8.0	49
66	Interactive and individual effects of multi-factor controls on water use efficiency in Central Asian ecosystems. <i>Environmental Research Letters</i> , 2020, 15, 084025.	5.2	10
67	A Kinematic Calibration Method of a 3T1R 4-Degree-of-Freedom Symmetrical Parallel Manipulator. <i>Symmetry</i> , 2020, 12, 357.	2.2	1
68	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.	8.0	15
69	Low LEF1 expression is a biomarker of early T-cell precursor, an aggressive subtype of T-cell lymphoblastic leukemia. <i>PLoS ONE</i> , 2020, 15, e0232520.	2.5	7
70	Impacts of climate change on key soil ecosystem services and interactions in Central Asia. <i>Ecological Indicators</i> , 2020, 116, 106490.	6.3	24
71	Substrate-free flexible thin film solar cells by graphene-mediated peel-off technology. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10279-10287.	2.2	1
72	The Responses of the Ecosystems in the Tianshan North Slope under Multiple Representative Concentration Pathway Scenarios in the Middle of the 21st Century. <i>Sustainability</i> , 2020, 12, 427.	3.2	2

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73	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.	2.1	16
74	Two Phytotoxins Isolated from the Pathogenic Fungus of the Invasive Weed <i>Xanthium italicum</i> . <i>Chemistry and Biodiversity</i> , 2020, 17, e2000043.	2.1	11
75	Kinematic Design of a 2R1T Robotic End-Effector With Flexure Joints. <i>IEEE Access</i> , 2020, 8, 57204-57213.	4.2	26
76	Total-Evidence Dating and the Fossilized Birth-Death Model. , 2020, , 175-193.		4
77	Using Parsimony-Guided Tree Proposals to Accelerate Convergence in Bayesian Phylogenetic Inference. <i>Systematic Biology</i> , 2020, 69, 1016-1032.	5.6	17
78	Stator Winding Design and Optimization of an Induction Reaction Sphere for Microsatellite Attitude Control. , 2020, , .		1
79	Title is missing!. , 2020, 15, e0232520.		0
80	Title is missing!. , 2020, 15, e0232520.		0
81	Title is missing!. , 2020, 15, e0232520.		0
82	Title is missing!. , 2020, 15, e0232520.		0
83	Title is missing!. , 2020, 15, e0232520.		0
84	Title is missing!. , 2020, 15, e0232520.		0
85	Cranial endocast of a stem platyrrhine primate and ancestral brain conditions in anthropoids. <i>Science Advances</i> , 2019, 5, eaav7913.	10.3	30
86	Bayesian tip dating reveals heterogeneous morphological clocks in Mesozoic birds. <i>Royal Society Open Science</i> , 2019, 6, 182062.	2.4	30
87	City-Level Comparison of Urban Land-Cover Configurations from 2000-2015 across 65 Countries within the Global Belt and Road. <i>Remote Sensing</i> , 2019, 11, 1515.	4.0	20
88	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.	3.3	23
89	Chemical Composition, Phytotoxic, Antimicrobial and Insecticidal Activity of the Essential Oils of <i>Dracocephalum integrifolium</i> . <i>Toxins</i> , 2019, 11, 598.	3.4	39
90	Study on Stiffness-Oriented Cable Tension Distribution for a Symmetrical Cable-Driven Mechanism. <i>Symmetry</i> , 2019, 11, 1158.	2.2	10

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91	A LysM Receptor Heteromer Mediates Perception of Arbuscular Mycorrhizal Symbiotic Signal in Rice. <i>Molecular Plant</i> , 2019, 12, 1561-1576.	8.3	106
92	Kinematic Design of a 3-DOF Force-controlled End-effector with Flexure Joints for Robotic Finishing Applications. , 2019, , .		5
93	Data on soil microbial carbon source utilization under different carbon input treatments in broadleaf and coniferous plantations. <i>Data in Brief</i> , 2019, 26, 104434.	1.0	0
94	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.	5.1	13
95	Modeling of a Halbach Array Voice Coil Actuator via Fourier Analysis Based on Equivalent Structure. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-6.	2.1	8
96	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.	4.8	65
97	Design and Optimization of a Magnetically Levitated Inductive Reaction Sphere for Spacecraft Attitude Control. <i>Energies</i> , 2019, 12, 1553.	3.1	6
98	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.	8.0	18
99	Guest Editorial Special Section on Emerging Information Sharing and Design Technologies on Robotics and Mechatronics Systems for Intelligent Manufacturing. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 1643-1646.	11.3	2
100	BEAST 2.5: An advanced software platform for Bayesian evolutionary analysis. <i>PLoS Computational Biology</i> , 2019, 15, e1006650.	3.2	2,484
101	The Global Spatiotemporal Distribution of the Mid-Tropospheric CO ₂ Concentration and Analysis of the Controlling Factors. <i>Remote Sensing</i> , 2019, 11, 94.	4.0	20
102	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.	4.0	24
103	A Double-Sided Flat Permanent Magnet Linear Motor with Dual Halbach for Free-Piston Linear Generator. , 2019, , .		1
104	Modeling and Force Control of Robotic Polishing System for the Wheel Hubs. , 2019, , .		2
105	Vibration and Noise of High Speed Amorphous Alloy Permanent Magnet Synchronous Motor with Different Slot Width. , 2019, , .		0
106	Design and Analysis of A Novel AFPM with Opposite-Rotation Dual Rotors. , 2019, , .		3
107	Optimal Design and Tracking Control of a Superelastic Flexure Hinge Based 3-PRR Compliant Parallel Manipulator. <i>IEEE Access</i> , 2019, 7, 174236-174247.	4.2	4
108	Energy-Efficient Torque Distribution Optimization for an Omnidirectional Mobile Robot with Powered Caster Wheels. <i>Energies</i> , 2019, 12, 4417.	3.1	2

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109	A Vision-Based Robotic Laser Welding System for Insulated Mugs with Fuzzy Seam Tracking Control. <i>Symmetry</i> , 2019, 11, 1385.	2.2	11
110	Molecular signatures of X chromosome inactivation and associations with clinical outcomes in epithelial ovarian cancer. <i>Human Molecular Genetics</i> , 2019, 28, 1331-1342.	2.9	19
111	Control Strategy for Smooth Wire Sending and Constant Tension in Multiwire Slicer. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 1668-1677.	11.3	4
112	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.	2.1	19
113	High Weight-Specific Power Density of Thin-Film Amorphous Silicon Solar Cells on Graphene Papers. <i>Nanoscale Research Letters</i> , 2019, 14, 324.	5.7	5
114	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.	2.0	44
115	Hormone modulation of legumeâ€”rhizobial symbiosis. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 632-648.	8.5	85
116	Bayesian Inference of Species Networks from Multilocus Sequence Data. <i>Molecular Biology and Evolution</i> , 2018, 35, 504-517.	8.9	158
117	Taming the BEASTâ€”A Community Teaching Material Resource for BEAST 2. <i>Systematic Biology</i> , 2018, 67, 170-174.	5.6	79
118	Evaluation and Intercomparison of High-Resolution Satellite Precipitation Estimatesâ€”GPM, TRMM, and CMORPH in the Tianshan Mountain Area. <i>Remote Sensing</i> , 2018, 10, 1543.	4.0	53
119	Time Tracking of Different Cropping Patterns Using Landsat Images under Different Agricultural Systems during 1990â€”2050 in Cold China. <i>Remote Sensing</i> , 2018, 10, 2011.	4.0	12
120	Reaction Sphere Spin Axis Measurement with Photoelectric Sensors. , 2018, , .		1
121	Chemical Composition and Phytotoxic Activity of <i>Seriphidium terraealbæ</i> (<sc>Krasch</sc>.) <sc>Poljakov</sc> (Compositae) Essential Oil. <i>Chemistry and Biodiversity</i> , 2018, 15, e1800348.	2.1	21
122	Torque optimization of a novel reaction sphere actuator based on support vector machines. , 2018, , .		5
123	Analytical models of electromagnetic field and torques in a novel reaction sphere actuator. , 2018, , .		6
124	A Free-Piston Linear Generator Control Strategy for Improving Output Power. <i>Energies</i> , 2018, 11, 135.	3.1	38
125	Mapping Spring Ephemeral Plants in Northern Xinjiang, China. <i>Sustainability</i> , 2018, 10, 804.	3.2	6
126	A Review of the Design and Control of Free-Piston Linear Generator. <i>Energies</i> , 2018, 11, 2179.	3.1	26

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127	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.	8.3	135
128	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.	5.2	47
129	WRF simulation and downscaling of local climate in Central Asia. <i>International Journal of Climatology</i> , 2017, 37, 513-528.	3.5	38
130	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.	1.9	18
131	Step-by-step pipeline processing approach for line segment detection. <i>IET Image Processing</i> , 2017, 11, 416-424.	2.5	5
132	Analytical calculation of air gap magnetic field in permanent magnet linear motors. , 2017, , .		5
133	Complex climatic and CO ₂ 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.	3.0	45
134	Stiffness-oriented cable tension distribution algorithm for a 3-DOF Cable-driven variable-stiffness module. , 2017, , .		0
135	Design optimization for a 2-DOF cable-driven joint with large stiffness range. , 2017, , .		4
136	Resonance analysis and unified compliance controller design for elastic joint robots. , 2017, , .		0
137	Ventilation system design and rotor air friction loss of high-speed permanent magnet machines. , 2017, , .		4
138	Analytical calculation of air-gap magnetic field of surface-mounted permanent magnet motor with bread-loaf magnets. , 2017, , .		3
139	Software Architecture Modeling and Reliability Evaluation Based on Petri Net. , 2017, , .		4
140	Urban Land-Cover Dynamics in Arid China Based on High-Resolution Urban Land Mapping Products. <i>Remote Sensing</i> , 2017, 9, 730.	4.0	18
141	Projecting the CO ₂ 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 ETQq1 1 0.784314 rgB4 /Overlock		
142	The Temporal and Spatial Distributions of the Near-Surface CO ₂ Concentrations in Central Asia and Analysis of Their Controlling Factors. <i>Atmosphere</i> , 2017, 8, 85.	2.3	20
143	Isolating and Quantifying the Effects of Climate and CO ₂ Changes (1980–2014) on the Net Primary Productivity in Arid and Semiarid China. <i>Forests</i> , 2017, 8, 60.	2.1	24
144	Modeling Rainfall-Runoff Response to Land Use and Land Cover Change in Rwanda (1990–2016). <i>Water (Switzerland)</i> , 2017, 9, 147.	2.7	42

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145	Soil Erosion Risk Assessment in Uganda. <i>Forests</i> , 2017, 8, 52.	2.1	54
146	An EcoCity model for regulating urban land cover structure and thermal environment: Taking Beijing as an example. , 2017, 60, 1098.		1
147	Extent of Cropland and Related Soil Erosion Risk in Rwanda. <i>Sustainability</i> , 2016, 8, 609.	3.2	61
148	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.	2.6	44
149	Decoupling Design and Verification of a Free-Piston Linear Generator. <i>Energies</i> , 2016, 9, 1067.	3.1	11
150	Deforestation Effects on Soil Erosion in the Lake Kivu Basin, D.R. Congo-Rwanda. <i>Forests</i> , 2016, 7, 281.	2.1	44
151	Urban Land-Cover Change and Its Impact on the Ecosystem Carbon Storage in a Dryland City. <i>Remote Sensing</i> , 2016, 8, 6.	4.0	39
152	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.	3.3	128
153	Design and comparison of three-type VCMs for nano-positioning system. , 2016, , .		0
154	Parameters identification and adaptive feedforward control of permanent magnet Linear synchronous motor. , 2016, , .		1
155	Design and dynamic response analysis of a flexure-based nano-positioning system. , 2016, , .		2
156	Cadmium (Cd) distribution and contamination in Chinese paddy soils on national scale. <i>Environmental Science and Pollution Research</i> , 2016, 23, 17941-17952.	5.3	126
157	Study on breakdown voltage and minimum ignition energy of sparking system for free-piston linear generator. , 2016, , .		0
158	Ammoniumâ€‘crown ether supramolecular cation-templated assembly of an unprecedented heterobicyclicâ€‘metal coordination polymer with enhanced NLO properties. <i>Chemical Communications</i> , 2016, 52, 3797-3800.	4.1	28
159	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.	11.0	150
160	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.	7.5	314
161	Total-Evidence Dating under the Fossilized Birthâ€‘Death Process. <i>Systematic Biology</i> , 2016, 65, 228-249.	5.6	304
162	The Need for Awareness of Drinking Water Loss Reduction for Sustainable Water Resource Management in Rwanda. <i>Journal of Geoscience and Environment Protection</i> , 2016, 04, 74-87.	0.5	7

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163	Impacts of impervious surface expansion on soil organic carbon – a spatially explicit study. Scientific Reports, 2015, 5, 17905.	3.3	54
164	Dynamic simulation of a novel free-piston linear generator. , 2015, , .		7
165	Dynamics of landscape patterns in an inland river delta of Central Asia based on a cellular automata-Markov model. Regional Environmental Change, 2015, 15, 277-289.	2.9	29
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