

Qian Cong

List of Publications by Year in descending order

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39
papers

717
citations

567281

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1091
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability Study and Simulation of Quadruped Robots with Variable Parameters. <i>Applied Bionics and Biomechanics</i> , 2022, 2022, 1-9.	1.1	3
2	Changes of Water/Ice Morphological, Thermodynamic, and Mechanical Parameters During the Freezing Process. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 10631-10639.	3.0	5
3	Effect of proximal box elevation on fracture resistance and microleakage of premolars restored with ceramic endocrowns. <i>PLoS ONE</i> , 2021, 16, e0252269.	2.5	11
4	Design of Bionic Buffering and Vibration Reduction Foot for Legged Robots. <i>Applied Bionics and Biomechanics</i> , 2021, 2021, 1-9.	1.1	2
5	Insights into the Multilevel Structural Characterization and Adsorption Mechanism of <i>Sinogastromyzon Aszechuanensis</i> Sucker on the Rough Surface. <i>Life</i> , 2021, 11, 952.	2.4	3
6	Design and Test of Load-Lifting Performance for Hydraulic Linkage of the High-Medium Horsepower Tractor. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9758.	2.5	1
7	A Review of Bioinspired Vibration Control Technology. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10584.	2.5	7
8	Friction and wear performance of bionic stripped piston of BW-160 slime pump. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020, 234, 872-881.	2.1	8
9	Modeling of geometry and insertion force of a new lancet medical needle. <i>Science Progress</i> , 2020, 103, 003685041989107.	1.9	3
10	Influence of Bionic Pit Structure on Friction and Sealing Performance of Reciprocating Plunger. <i>Advances in Materials Science and Engineering</i> , 2020, 2020, 1-10.	1.8	4
11	Sealing Performance of Bionic Striped Mud Pump Piston. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-9.	1.8	1
12	Cushion Mechanism of Goat Hoof Bulb Tissues. <i>Applied Bionics and Biomechanics</i> , 2019, 2019, 1-11.	1.1	3
13	A simple strategy to improve the sensitivity of probe molecules on SERS substrates. <i>Talanta</i> , 2019, 195, 221-228.	5.5	13
14	Experimental study on frost-formation characteristics on cold surface of arched copper sample. <i>PLoS ONE</i> , 2018, 13, e0208721.	2.5	9
15	Hydrophobic durability characteristics of butterfly wing surface after freezing cycles towards the design of nature inspired anti-icing surfaces. <i>PLoS ONE</i> , 2018, 13, e0188775.	2.5	8
16	Bone Size and Quality Regulation: Concerted Actions of mTOR in Mesenchymal Stromal Cells and Osteoclasts. <i>Stem Cell Reports</i> , 2017, 8, 1600-1616.	4.8	29
17	Pharmacologic Calcitriol Inhibits Osteoclast Lineage Commitment via the BMP-Smad1 and $\text{I}\beta\text{B-NF-}\kappa\text{B}$ Pathways. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 1406-1420.	2.8	26
18	Controlling the orientation of probe molecules on surface-enhanced Raman scattering substrates: A novel strategy to improve sensitivity. <i>Analytica Chimica Acta</i> , 2017, 994, 65-72.	5.4	16

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19	Bionic Design of Wind Turbine Blade Based on Long-Eared Owl's Airfoil. Applied Bionics and Biomechanics, 2017, 2017, 1-10.	1.1	15
20	Wear Performance of Bionic Dimpled-Shape Pistons of Mud Pump. Advances in Materials Science and Engineering, 2017, 2017, 1-11.	1.8	8
21	A rapid and ultrasensitive SERRS assay for histidine and tyrosine based on azo coupling. Talanta, 2016, 159, 208-214.	5.5	20
22	The mechanism of an enzymatic reaction-induced SERS transformation for the study of enzyme-molecule interfacial interactions. Physical Chemistry Chemical Physics, 2016, 18, 31787-31795.	2.8	11
23	p38 ^{MAPK} Regulates Lineage Commitment and OPG Synthesis of Bone Marrow Stromal Cells to Prevent Bone Loss under Physiological and Pathological Conditions. Stem Cell Reports, 2016, 6, 566-578.	4.8	32
24	Three-dimensional superhydrophobic surface-enhanced Raman spectroscopy substrate for sensitive detection of pollutants in real environments. Journal of Materials Chemistry A, 2015, 3, 4330-4337.	10.3	88
25	Preparation of a Superhydrophobic and Peroxidase-like Activity Array Chip for H ₂ O ₂ Sensing by Surface-Enhanced Raman Scattering. ACS Applied Materials & Interfaces, 2015, 7, 23472-23480.	8.0	59
26	A SERS-active enzymatic product used for the quantification of disease-related molecules. Journal of Raman Spectroscopy, 2014, 45, 75-81.	2.5	35
27	Ablation of Tak1 in osteoclast progenitor leads to defects in skeletal growth and bone remodeling in mice. Scientific Reports, 2014, 4, 7158.	3.3	20
28	Characterization and wettability of ZnO film prepared by chemical etching method. Chemical Research in Chinese Universities, 2013, 29, 333-337.	2.6	2
29	Fabrication of a Bionic Needle with both Super-Hydrophobic and Antibacterial Properties. Journal of Bionic Engineering, 2013, 10, 377-382.	5.0	20
30	Fabrication of superhydrophobic AAO-Ag multilayer mimicking dragonfly wings. Science Bulletin, 2012, 57, 4635-4640.	1.7	13
31	Investigation on walking and pacing stability of german shepherd dog for different locomotion speeds. Journal of Bionic Engineering, 2011, 8, 18-24.	5.0	22
32	Notice of Retraction: Spatio-temporal characteristics of human gaits based on joint angle analysis. , 2010, , .		1
33	Multivariate coupling mechanism of NOCTUIDAE moth wings' surface superhydrophobicity. Science Bulletin, 2009, 54, 569-575.	1.7	19
34	Anisotropism of the Non-Smooth Surface of Butterfly Wing. Journal of Bionic Engineering, 2009, 6, 71-76.	5.0	55
35	Effects of Methanol on Wettability of the Non-Smooth Surface on Butterfly Wing. Journal of Bionic Engineering, 2008, 5, 127-133.	5.0	60
36	Hydrophobicity mechanism of non-smooth pattern on surface of butterfly wing. Science Bulletin, 2007, 52, 711-716.	1.7	74

#	ARTICLE	IF	CITATIONS
37	Fabrication of large-scale nanostructure by Langmuir-Blodgett technique. Journal of Bionic Engineering, 2006, 3, 59-62.	5.0	8
38	A novel bionic gripper based on the front tarsi of scutigera. Transactions of the Canadian Society for Mechanical Engineering, 0, , 1-9.	0.8	0
39	Novel low frequency bionic vibration isolation structure. JVC/Journal of Vibration and Control, 0, , 107754632210953.	2.6	3