

Qian Cong

List of Publications by Year in descending order

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39
papers

717
citations

567281

15
h-index

552781

26
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39
all docs

39
docs citations

39
times ranked

1091
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional superhydrophobic surface-enhanced Raman spectroscopy substrate for sensitive detection of pollutants in real environments. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4330-4337.	10.3	88
2	Hydrophobicity mechanism of non-smooth pattern on surface of butterfly wing. <i>Science Bulletin</i> , 2007, 52, 711-716.	1.7	74
3	Effects of Methanol on Wettability of the Non-Smooth Surface on Butterfly Wing. <i>Journal of Bionic Engineering</i> , 2008, 5, 127-133.	5.0	60
4	Preparation of a Superhydrophobic and Peroxidase-like Activity Array Chip for H_2O_2 Sensing by Surface-Enhanced Raman Scattering. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23472-23480.	8.0	59
5	Anisotropism of the Non-Smooth Surface of Butterfly Wing. <i>Journal of Bionic Engineering</i> , 2009, 6, 71-76.	5.0	55
6	A SERS-active enzymatic product used for the quantification of disease-related molecules. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 75-81.	2.5	35
7	p38 β MAPK Regulates Lineage Commitment and OPG Synthesis of Bone Marrow Stromal Cells to Prevent Bone Loss under Physiological and Pathological Conditions. <i>Stem Cell Reports</i> , 2016, 6, 566-578.	4.8	32
8	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
9	Pharmacologic Calcitriol Inhibits Osteoclast Lineage Commitment via the BMP-Smad1 and β -NF- κ B Pathways. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 1406-1420.	2.8	26
10	Investigation on walking and pacing stability of german shepherd dog for different locomotion speeds. <i>Journal of Bionic Engineering</i> , 2011, 8, 18-24.	5.0	22
11	Fabrication of a Bionic Needle with both Super-Hydrophobic and Antibacterial Properties. <i>Journal of Bionic Engineering</i> , 2013, 10, 377-382.	5.0	20
12	Ablation of Tak1 in osteoclast progenitor leads to defects in skeletal growth and bone remodeling in mice. <i>Scientific Reports</i> , 2014, 4, 7158.	3.3	20
13	A rapid and ultrasensitive SERRS assay for histidine and tyrosine based on azo coupling. <i>Talanta</i> , 2016, 159, 208-214.	5.5	20
14	Multivariate coupling mechanism of NOCTUIDAE moth wings' surface superhydrophobicity. <i>Science Bulletin</i> , 2009, 54, 569-575.	1.7	19
15	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
16	Bionic Design of Wind Turbine Blade Based on Long-Eared Owl's Airfoil. <i>Applied Bionics and Biomechanics</i> , 2017, 2017, 1-10.	1.1	15
17	Fabrication of superhydrophobic AAO-Ag multilayer mimicking dragonfly wings. <i>Science Bulletin</i> , 2012, 57, 4635-4640.	1.7	13
18	A simple strategy to improve the sensitivity of probe molecules on SERS substrates. <i>Talanta</i> , 2019, 195, 221-228.	5.5	13

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19	The mechanism of an enzymatic reaction-induced SERS transformation for the study of enzyme-molecule interfacial interactions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31787-31795.	2.8	11
20	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
21	Experimental study on frost-formation characteristics on cold surface of arched copper sample. <i>PLoS ONE</i> , 2018, 13, e0208721.	2.5	9
22	Fabrication of large-scale nanostructure by Langmuir-Blodgett technique. <i>Journal of Bionic Engineering</i> , 2006, 3, 59-62.	5.0	8
23	Wear Performance of Bionic Dimpled-Shape Pistons of Mud Pump. <i>Advances in Materials Science and Engineering</i> , 2017, 2017, 1-11.	1.8	8
24	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
25	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
26	A Review of Bioinspired Vibration Control Technology. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10584.	2.5	7
27	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
28	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
29	Cushion Mechanism of Goat Hoof Bulb Tissues. <i>Applied Bionics and Biomechanics</i> , 2019, 2019, 1-11.	1.1	3
30	Modeling of geometry and insertion force of a new lancet medical needle. <i>Science Progress</i> , 2020, 103, 003685041989107.	1.9	3
31	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
32	Stability Study and Simulation of Quadruped Robots with Variable Parameters. <i>Applied Bionics and Biomechanics</i> , 2022, 2022, 1-9.	1.1	3
33	Novel low frequency bionic vibration isolation structure. <i>JVC/Journal of Vibration and Control</i> , 0, , 107754632210953.	2.6	3
34	Characterization and wettability of ZnO film prepared by chemical etching method. <i>Chemical Research in Chinese Universities</i> , 2013, 29, 333-337.	2.6	2
35	Design of Bionic Buffering and Vibration Reduction Foot for Legged Robots. <i>Applied Bionics and Biomechanics</i> , 2021, 2021, 1-9.	1.1	2
36	Notice of Retraction: Spatio-temporal characteristics of human gaits based on joint angle analysis. , 2010, , .		1

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37	Sealing Performance of Bionic Striped Mud Pump Piston. Advances in Materials Science and Engineering, 2019, 2019, 1-9.	1.8	1
38	Design and Test of Load-Lifting Performance for Hydraulic Linkage of the High-Medium Horsepower Tractor. Applied Sciences (Switzerland), 2021, 11, 9758.	2.5	1
39	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