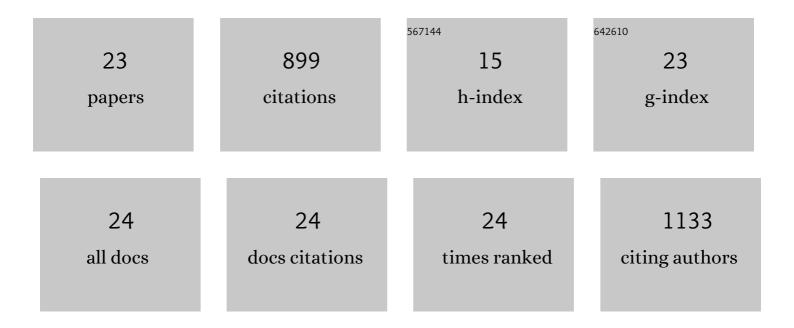
Zhengzhi Mu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2012455/publications.pdf Version: 2024-02-01



7немо<mark>лні</mark> Міі

#	Article	IF	CITATIONS
1	Bioinspired, Omnidirectional, and Hypersensitive Flexible Strain Sensors. Advanced Materials, 2022, 34, e2200823.	11.1	73
2	Interfacial reinforced carbon fiber composites inspired by biological interlocking structure. IScience, 2022, 25, 104066.	1.9	6
3	A feather-inspired interleaf for enhanced interlaminar fracture toughness of carbon fiber reinforced polymer composites. Composites Part B: Engineering, 2022, 236, 109827.	5.9	16
4	Comparative Investigation on Improved Aerodynamic and Acoustic Performance of Abnormal Rotors by Bionic Edge Design and Rational Material Selection. Polymers, 2022, 14, 2552.	2.0	5
5	Large-Scale Bio-Inspired Flexible Antireflective Film with Scale-Insensitivity Arrays. ACS Applied Materials & Interfaces, 2021, 13, 23103-23112.	4.0	21
6	Durable and Superhydrophobic Aluminium Alloy with Microscale Hierarchical Structures and Anti-Drag Function Inspired by Diving Bell Spider. Coatings, 2021, 11, 1146.	1.2	3
7	Cross-Scale Biological Models of Species for Future Biomimetic Composite Design: A Review. Coatings, 2021, 11, 1297.	1.2	6
8	Self-Assembly of Chiral Nanoparticles into Semiconductor Helices with Tunable near-Infrared Optical Activity. Chemistry of Materials, 2020, 32, 476-488.	3.2	79
9	Underwater writable and heat-insulated paper with robust fluorine-free superhydrophobic coatings. Nanoscale, 2020, 12, 8536-8545.	2.8	24
10	Superfast Liquid Transfer Strategy Through Sliding on a Liquid Membrane Inspired from Scorpion Setae. Advanced Materials Interfaces, 2018, 5, 1800802.	1.9	11
11	Long-term durability of superhydrophobic properties of butterfly wing scales after continuous contact with water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 518, 139-144.	2.3	35
12	Energy‣fficient Oil–Water Separation of Biomimetic Copper Membrane with Multiscale Hierarchical Dendritic Structures. Small, 2017, 13, 1701121.	5.2	49
13	Bioinspired Omnidirectional Self-Stable Reflectors with Multiscale Hierarchical Structures. ACS Applied Materials & Interfaces, 2017, 9, 29285-29294.	4.0	16
14	A Highâ€Transmission, Multiple Antireflective Surface Inspired from Bilayer 3D Ultrafine Hierarchical Structures in Butterfly Wing Scales. Small, 2016, 12, 713-720.	5.2	46
15	Antireflective surface inspired from biology: A review. Biosurface and Biotribology, 2016, 2, 137-150.	0.6	83
16	Biomimetic multifunctional surfaces inspired from animals. Advances in Colloid and Interface Science, 2016, 234, 27-50.	7.0	130
17	Angle-dependent discoloration structures in wing scales of Morpho menelaus butterfly. Science China Technological Sciences, 2016, 59, 749-755.	2.0	11
18	Active Antifogging Property of Monolayer SiO ₂ Film with Bioinspired Multiscale Hierarchical Pagoda Structures. ACS Nano, 2016, 10, 8591-8602.	7.3	92

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#	Article	IF	CITATIONS
19	Excellent Color Sensitivity of Butterfly Wing Scales to Liquid Mediums. Journal of Bionic Engineering, 2016, 13, 355-363.	2.7	9
20	Fabrication of the replica templated from butterfly wing scales with complex light trapping structures. Applied Surface Science, 2015, 355, 290-297.	3.1	28
21	Excellent Structure-Based Multifunction of Morpho Butterfly Wings: A Review. Journal of Bionic Engineering, 2015, 12, 170-189.	2.7	113
22	An Ingenious Super Light Trapping Surface Templated from Butterfly Wing Scales. Nanoscale Research Letters, 2015, 10, 1052.	3.1	19
23	Unparalleled sensitivity of photonic structures in butterfly wings. RSC Advances, 2014, 4, 45214-45219.	1.7	24