

# Guizhong Tian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/991461/publications.pdf>

Version: 2024-02-01

14  
papers

152  
citations

1163117

8  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

29  
citing authors

#	ARTICLE	IF	CITATIONS
1	Focus on Bioinspired Textured Surfaces toward Fluid Drag Reduction: Recent Progresses and Challenges. <i>Advanced Engineering Materials</i> , 2022, 24, 2100696.	3.5	34
2	Recent advances in bioinspired superhydrophobic ice-proof surfaces: challenges and prospects. <i>Nanoscale</i> , 2022, 14, 5960-5993.	5.6	23
3	Recent Developments of Superhydrophobic Surfaces (SHS) for Underwater Drag Reduction Opportunities and Challenges. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	23
4	Biomechanical characteristics of puffer skin for flexible surface drag reduction. <i>Mechanics of Advanced Materials and Structures</i> , 2021, 28, 1194-1200.	2.6	14
5	Research on the drag reduction property of puffer ( <i>Takifugu flavidus</i> ) spinal nonsmooth structure surface. <i>Microscopy Research and Technique</i> , 2020, 83, 795-803.	2.2	12
6	Rheological Properties and Drag Reduction Performance of Puffer Epidermal Mucus. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 460-469.	5.2	10
7	Experimental Investigations of the Turbulent Boundary Layer for Biomimetic Protrusive Surfaces Inspired by Pufferfish Skin: Effects of Spinal Density and Diameter. <i>Langmuir</i> , 2021, 37, 11804-11817.	3.5	9
8	Coupled Bionic Drag-Reducing Surface Covered by Conical Protrusions and Elastic Layer Inspired from Pufferfish Skin. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 32747-32760.	8.0	9
9	Experimental Investigations of the Turbulent Boundary Layer for Biomimetic Surface with Spine-Covered Protrusion Inspired by Pufferfish Skin. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 2865-2875.	3.0	8
10	Numerical analysis of drag reduction characteristics of biomimetic puffer skin: Effect of spinal arrangement. <i>AIP Advances</i> , 2021, 11, .	1.3	4
11	Investigation of the Turbulent Boundary Layer Structure over a Sparsely Spaced Biomimetic Spine-Covered Protrusion Surface. <i>ACS Omega</i> , 2021, 6, 14220-14229.	3.5	3
12	Modeling technology of curved surface development for puffer fish. <i>Advances in Mechanical Engineering</i> , 2020, 12, 168781402091602.	1.6	1
13	Numerical-Experimental Study on the Influence of Biomimetic Spine-Covered Protrusions (BSCPs) Structure on the Base Pressure and Near-Wake Flow of Underwater Vehicles. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 6821-6835.	3.0	1
14	Effect of the Biomimetic Spine-Covered Protrusions (BSCPs) Height and Arrangement on SUBOFF Bare Hull Model Drag. <i>Arabian Journal for Science and Engineering</i> , 2023, 48, 2873-2888.	3.0	1