

# Hessein Ali

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3554661/publications.pdf>

Version: 2024-02-01

14  
papers

214  
citations

1307366

7  
h-index

1199470

12  
g-index

14  
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14  
docs citations

14  
times ranked

134  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodynamics and surface properties influence biofilm proliferation. <i>Advances in Colloid and Interface Science</i> , 2021, 288, 102336.	7.0	107
2	Bending of biomimetic scale covered beams under discrete non-periodic engagement. <i>International Journal of Solids and Structures</i> , 2019, 166, 22-31.	1.3	19
3	Frictional Damping from Biomimetic Scales. <i>Scientific Reports</i> , 2019, 9, 14628.	1.6	18
4	Bacterial streamers as colloidal systems: Five grand challenges. <i>Journal of Colloid and Interface Science</i> , 2021, 594, 265-278.	5.0	14
5	Tailorable twisting of biomimetic scale-covered substrate. <i>Europhysics Letters</i> , 2019, 127, 24002.	0.7	13
6	Tailorable elasticity of cantilever using spatio-angular functionally graded biomimetic scales. <i>Mechanics of Soft Materials</i> , 2019, 1, 1.	0.4	12
7	Coulomb friction in twisting of biomimetic scale-covered substrate. <i>Bioinspiration and Biomimetics</i> , 2020, 15, 056013.	1.5	8
8	Computational Model of Mechano-Electrochemical Effect of Aluminum Alloys Corrosion. <i>Journal of Engineering for Gas Turbines and Power</i> , 2022, 144, .	0.5	7
9	Fish scales: Primitive basis for modern metamaterials. <i>Europhysics Letters</i> , 2021, 133, 68001.	0.7	6
10	The Synthesis of Function Generating Mechanisms for Periodic Curves Using Large Numbers of Double-Crank Linkages. <i>Journal of Mechanisms and Robotics</i> , 2017, 9, .	1.5	4
11	Biomechanical evaluation of femoral anteversion in developmental dysplasia of the hip and potential implications for closed reduction. <i>Clinical Biomechanics</i> , 2020, 72, 179-185.	0.5	4
12	Fouling of mammalian hair fibres exposed to a titanium dioxide colloidal suspension. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20210904.	1.5	2
13	Tailorable Stiffness Lightweight Soft Robotic Materials with Architected Exoskeleton. , 2020, , .		0
14	Mechanical Presses Driven by a Geared Five-Bar with Sliding Output to Produce a Prolonged Dwell. <i>Mechanisms and Machine Science</i> , 2019, , 309-318.	0.3	0