

Ardian Jusufi

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,341
citations

758635

12
h-index

752256

20
g-index

23
all docs

23
docs citations

23
times ranked

1121
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and Control of a Soft Robotic Fish with Integrated Soft Sensing. <i>Advanced Intelligent Systems</i> , 2023, 5, 2000244.	3.3	29
2	Inertial Tail Effects during Righting of Squirrels in Unexpected Falls: From Behavior to Robotics. <i>Integrative and Comparative Biology</i> , 2021, 61, 589-602.	0.9	24
3	Compliance, mass distribution and contact forces in cursorial and scansorial locomotion with biorobotic physical models. <i>Advanced Robotics</i> , 2021, 35, 437-449.	1.1	12
4	Future Tail Tales: A Forward-Looking, Integrative Perspective on Tail Research. <i>Integrative and Comparative Biology</i> , 2021, 61, 521-537.	0.9	6
5	Tails, Flails, and Sails: How Appendages Improve Terrestrial Maneuverability by Improving Stability. <i>Integrative and Comparative Biology</i> , 2021, 61, 506-520.	0.9	14
6	Mechanisms for Mid-Air Reorientation Using Tail Rotation in Gliding Geckos. <i>Integrative and Comparative Biology</i> , 2021, 61, 478-490.	0.9	13
7	Body Caudal Undulation Measured by Soft Sensors and Emulated by Soft Artificial Muscles. <i>Integrative and Comparative Biology</i> , 2021, 61, 1955-1965.	0.9	4
8	Strong, Ultrastretchable Hydrogel-Based Multilayered Soft Actuator Composites Enhancing Biologically Inspired Pumping Systems. <i>Advanced Engineering Materials</i> , 2021, 23, 2100121.	1.6	9
9	Tails stabilize landing of gliding geckos crashing head-first into tree trunks. <i>Communications Biology</i> , 2021, 4, 1020.	2.0	27
10	Strong, Ultrastretchable Hydrogel-Based Multilayered Soft Actuator Composites Enhancing Biologically Inspired Pumping Systems. <i>Advanced Engineering Materials</i> , 2021, 23, 2170038.	1.6	0
11	Undulatory Swimming Performance Explored With a Biorobotic Fish and Measured by Soft Sensors and Particle Image Velocimetry. <i>Frontiers in Robotics and AI</i> , 2021, 8, 791722.	2.0	6
12	Fish-like aquatic propulsion studied using a pneumatically-actuated soft-robotic model. <i>Bioinspiration and Biomimetics</i> , 2020, 15, 046008.	1.5	43
13	Wearable and Stretchable Strain Sensors: Materials, Sensing Mechanisms, and Applications. <i>Advanced Intelligent Systems</i> , 2020, 2, 2000039.	3.3	327
14	Heads or Tails? Cranio-Caudal Mass Distribution for Robust Locomotion with Biorobotic Appendages Composed of 3D-Printed Soft Materials. <i>Lecture Notes in Computer Science</i> , 2019, , 240-253.	1.0	4
15	Soft Sensors for Curvature Estimation under Water in a Soft Robotic Fish. , 2019, , .		10
16	Geckos Race Across the Water's Surface Using Multiple Mechanisms. <i>Current Biology</i> , 2018, 28, 4046-4051.e2.	1.8	31
17	Undulatory Swimming Performance and Body Stiffness Modulation in a Soft Robotic Fish-Inspired Physical Model. <i>Soft Robotics</i> , 2017, 4, 202-210.	4.6	82
18	A Study of Rapid Tetrapod Running and Turning Dynamics Utilizing Inertial Measurement Units in Greyhound Sprinting. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
19	Tail-assisted pitch control in lizards, robots and dinosaurs. <i>Nature</i> , 2012, 481, 181-184.	13.7	306
20	Rapid Inversion: Running Animals and Robots Swing like a Pendulum under Ledges. <i>PLoS ONE</i> , 2012, 7, e38003.	1.1	19
21	Aerial Righting Reflexes in Flightless Animals. <i>Integrative and Comparative Biology</i> , 2011, 51, 937-943.	0.9	72
22	Righting and turning in mid-air using appendage inertia: reptile tails, analytical models and bio-inspired robots. <i>Bioinspiration and Biomimetics</i> , 2010, 5, 045001.	1.5	101
23	Active tails enhance arboreal acrobatics in geckos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4215-4219.	3.3	199