

# Anand K Mishra

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1160237/publications.pdf>

Version: 2024-02-01

22  
papers

440  
citations

932766

10  
h-index

940134

16  
g-index

25  
all docs

25  
docs citations

25  
times ranked

629  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomic perspiration in 3D-printed hydrogel actuators. <i>Science Robotics</i> , 2020, 5, .	9.9	121
2	Optical lace for synthetic afferent neural networks. <i>Science Robotics</i> , 2019, 4, .	9.9	56
3	SIMBA: Tendon-Driven Modular Continuum Arm with Soft Reconfigurable Gripper. <i>Frontiers in Robotics and AI</i> , 2017, 4, .	2.0	45
4	Control strategies for cleaning robots in domestic applications: A comprehensive review. <i>International Journal of Advanced Robotic Systems</i> , 2019, 16, 172988141985743.	1.3	36
5	Modular Continuum Manipulator: Analysis and Characterization of Its Basic Module. <i>Biomimetics</i> , 2018, 3, 3.	1.5	31
6	Climbing Plant-Inspired Micropatterned Devices for Reversible Attachment. <i>Advanced Functional Materials</i> , 2020, 30, 2003380.	7.8	23
7	Underactuated fluidic control of a continuous multistable membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 5217-5221.	3.3	21
8	Impact of reproduction number on the multiwave spreading dynamics of COVID-19 with temporary immunity: A mathematical model. <i>International Journal of Infectious Diseases</i> , 2021, 104, 649-654.	1.5	20
9	Making bioinspired 3D-printed autonomic perspiring hydrogel actuators. <i>Nature Protocols</i> , 2021, 16, 2068-2087.	5.5	18
10	A study on plant root apex morphology as a model for soft robots moving in soil. <i>PLoS ONE</i> , 2018, 13, e0197411.	1.1	16
11	Artificial System Inspired by Climbing Mechanism of Galium Aparine Fabricated via 3D Laser Lithography. <i>Lecture Notes in Computer Science</i> , 2018, , 168-178.	1.0	9
12	Soft-Legged Wheel-Based Robot with Terrestrial Locomotion Abilities. <i>Frontiers in Robotics and AI</i> , 2016, 3, .	2.0	8
13	Simplified Sensing and Control of a Plant-Inspired Cable Driven Manipulator. , 2019, , .		7
14	Design, Fabrication and Gait Planning of Alligator-inspired Robot. <i>International Journal of Current Engineering and Technology</i> , 2013, 2, 567-575.	0.0	7
15	Three-dimensional reconstruction of root shape in the moth orchid <i>Phalaenopsis</i> sp.: a biomimicry methodology for robotic applications. <i>BMC Research Notes</i> , 2018, 11, 258.	0.6	4
16	Measurement of Parachute Canopy Textile Deformation Using Mechanically Invisible Stretchable Lightguides. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	4
17	From plant root's sloughing and radial expansion mechanisms to a soft probe for soil exploration. , 2018, , .		3
18	Helical SMA Actuator based Artificial Muscle and Arm with Sliding Mode Control. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
19	Design and Fabrication of an Origami Multimode Ring Antenna. , 2021, , .		2
20	Micropatterned Devices: Climbing Plantâ€Inspired Micropatterned Devices for Reversible Attachment (Adv. Funct. Mater. 38/2020). Advanced Functional Materials, 2020, 30, 2070256.	7.8	1
21	Mathematical Modeling of Electromagnetic Levitation Based Active Suspension Using Bond Graph. Applied Mechanics and Materials, 2014, 575, 785-789.	0.2	0
22	Numerical Analysis on Influence of Punch Speed on Fluid Pressure in Hydro Forming Process. International Journal of Current Engineering and Technology, 2013, , 9-11.	0.0	0