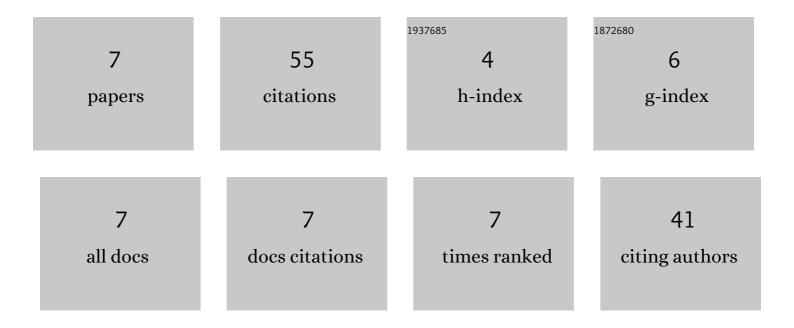
## Zakai J Olsen

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/12044353/publications.pdf Version: 2024-02-01



ZAKALLOISEN

#	Article	IF	CITATIONS
1	Design and Modeling of a New Biomimetic Soft Robotic Jellyfish Using IPMC-Based Electroactive Polymers. Frontiers in Robotics and Al, 2019, 6, 112.	3.2	13
2	Developing next generation ionic polymer–metal composite materials: perspectives for enabling robotics and biomimetics. Polymer International, 2021, 70, 7-9.	3.1	13
3	A hyperelastic porous media framework for ionic polymer-metal composite actuators and sensors: thermodynamically consistent formulation and nondimensionalization of the field equations. Smart Materials and Structures, 2021, 30, 095024.	3.5	12
4	A reduced dimensional mapping approach for modeling IPMCs with computational efficiency and rapid design development applications. Smart Materials and Structures, 2018, 27, 125012.	3.5	6
5	Ionic Polymer-Metal Composite (IPMC) Artificial Muscles in Underwater Environments: Review of Actuation, Sensing, Controls, and Applications to Soft Robotics. , 2021, , 117-139.		6
6	Characterizing the transduction behavior of ionic polymer-metal composite actuators and sensors via dimensional analysis. Smart Materials and Structures, 2022, 31, 025014.	3.5	3
7	Approximate field measures for ionic polymer-metal composite materials and a simplified order-of-magnitude actuator model. Smart Materials and Structures, 2022, 31, 025029.	3.5	2