

# Inga PÅµldsalu

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

594  
citations

840585

11  
h-index

610775

24  
g-index

36  
all docs

36  
docs citations

36  
times ranked

600  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionic and Capacitive Artificial Muscle for Biomimetic Soft Robotics. <i>Advanced Engineering Materials</i> , 2015, 17, 84-94.	1.6	141
2	Ionic electroactive polymer artificial muscles in space applications. <i>Scientific Reports</i> , 2014, 4, 6913.	1.6	64
3	Ionic liquid-based actuators working in air: The effect of ambient humidity. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 114-122.	4.0	63
4	Charging a supercapacitor-like laminate with ambient moisture: from a humidity sensor to an energy harvester. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9605.	1.3	50
5	Protocells: Milestones and Recent Advances. <i>Small</i> , 2022, 18, e2106624.	5.2	45
6	Thin ink-jet printed trilayer actuators composed of PEDOT:PSS on interpenetrating polymer networks. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 1072-1079.	4.0	40
7	A carbide-derived carbon laminate used as a mechanoelectrical sensor. <i>Carbon</i> , 2012, 50, 535-541.	5.4	35
8	Scalable fabrication of ionic and capacitive laminate actuators for soft robotics. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 154-163.	4.0	35
9	Inkjet-printed hybrid conducting polymer-activated carbon aerogel linear actuators driven in an organic electrolyte. <i>Sensors and Actuators B: Chemical</i> , 2017, 250, 44-51.	4.0	21
10	Thermal migration of molecular lipid films as a contactless fabrication strategy for lipid nanotube networks. <i>Lab on A Chip</i> , 2013, 13, 3822.	3.1	12
11	Lifetime measurements of ionic electroactive polymer actuators. <i>Journal of Intelligent Material Systems and Structures</i> , 2014, 25, 2267-2275.	1.4	12
12	Repair of large area pores in supported double bilayers. <i>Soft Matter</i> , 2013, 9, 2787.	1.2	11
13	Encapsulation of ionic electromechanically active polymer actuators. <i>Smart Materials and Structures</i> , 2019, 28, 074002.	1.8	10
14	Modelling and Control of Ionic Electroactive Polymer Actuators under Varying Humidity Conditions. <i>Actuators</i> , 2018, 7, 7.	1.2	9
15	Mechanoelectrical impedance of a carbide-derived carbon-based laminate motion sensor at large bending deflections. <i>Smart Materials and Structures</i> , 2013, 22, 104015.	1.8	8
16	Mechanical and electro-mechanical properties of EAP actuators with inkjet printed electrodes. <i>Synthetic Metals</i> , 2018, 246, 122-127.	2.1	8
17	Printed PEDOT:PSS Trilayer: Mechanism Evaluation and Application in Energy Storage. <i>Materials</i> , 2020, 13, 491.	1.3	4
18	Pulse-width-modulated charging of ionic and capacitive actuators. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
19	Fabrication of Carbon-Based Ionic Electromechanically Active Soft Actuators. Journal of Visualized Experiments, 2020, , .	0.2	3
20	Mixed fatty acid-phospholipid protocell networks. Physical Chemistry Chemical Physics, 2021, 23, 26948-26954.	1.3	3
21	Spontaneous Formation of Prebiotic Compartment Colonies on Hadean Earth and Pre-Noachian Mars**. ChemSystemsChem, 2022, 4, .	1.1	3
22	Micro-mechanics of ionic electroactive polymer actuators. Proceedings of SPIE, 2015, , .	0.8	2
23	Long-term degradation of the ionic electroactive polymer actuators. Proceedings of SPIE, 2015, , .	0.8	2
24	Surface-Assisted Self-Assembly of Fatty Acids to Cell-Like Compartments. Biophysical Journal, 2020, 118, 82a.	0.2	2
25	Carbon-polymer-ionic liquid composite as a motion sensor. Proceedings of SPIE, 2012, , .	0.8	1
26	An ionic liquid-based actuator as a humidity sensor. , 2013, , .		1
27	Fabrication of ion-conducting carbon-polymer composite electrodes by spin-coating. , 2015, , .		1
28	Microfluidic technology for investigation of protein function in single adherent cells. Methods in Enzymology, 2019, 628, 145-172.	0.4	1
29	Spontaneous formation of prebiotic compartment colonies on Hadean Earth and Pre-Noachian Mars. Biophysical Journal, 2022, 121, 68a.	0.2	1
30	Ionic EAP transducers with amorphous nanoporous carbon electrodes. Proceedings of SPIE, 2012, , .	0.8	0
31	Surface-Assisted Formation of Model Protocells from Fatty Acid and Phospholipid Mixtures. Biophysical Journal, 2021, 120, 223a.	0.2	0
32	Spontaneous Formation of Prebiotic Compartment Colonies on Hadean Earth and Pre-Noachian Mars. ChemSystemsChem, 2022, 4, .	1.1	0
33	Protocells: Milestones and Recent Advances (Small 18/2022). Small, 2022, 18, .	5.2	0