

Alex L Chortos

List of Publications by Year in descending order

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35
papers

14,923
citations

172207

29
h-index

360668

35
g-index

36
all docs

36
docs citations

36
times ranked

15229
citing authors

#	ARTICLE	IF	CITATIONS
1	Extrusion 3D printing of conjugated polymers. <i>Journal of Polymer Science</i> , 2022, 60, 486-503.	2.0	6
2	Design of Fully Controllable and Continuous Programmable Surface Based on Machine Learning. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 549-556.	3.3	3
3	Photoswitchable Covalent Adaptive Networks Based on Thiol-Ene Elastomers. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4552-4561.	4.0	15
4	Control Strategies for Soft Robot Systems. <i>Advanced Intelligent Systems</i> , 2022, 4, .	3.3	64
5	Printing Reconfigurable Bundles of Dielectric Elastomer Fibers. <i>Advanced Functional Materials</i> , 2021, 31, 2010643.	7.8	63
6	3D Printing of Interdigitated Dielectric Elastomer Actuators. <i>Advanced Functional Materials</i> , 2020, 30, 1907375.	7.8	132
7	Voltage-controlled morphing of dielectric elastomer circular sheets into conical surfaces. <i>Extreme Mechanics Letters</i> , 2019, 30, 100504.	2.0	30
8	Stretchable temperature-sensing circuits with strain suppression based on carbon nanotube transistors. <i>Nature Electronics</i> , 2018, 1, 183-190.	13.1	263
9	Microstructural origin of resistance-strain hysteresis in carbon nanotube thin film conductors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1986-1991.	3.3	107
10	A hierarchically patterned, bioinspired e-skin able to detect the direction of applied pressure for robotics. <i>Science Robotics</i> , 2018, 3, .	9.9	568
11	A bioinspired flexible organic artificial afferent nerve. <i>Science</i> , 2018, 360, 998-1003.	6.0	982
12	A stretchable and biodegradable strain and pressure sensor for orthopaedic application. <i>Nature Electronics</i> , 2018, 1, 314-321.	13.1	469
13	Universal Selective Dispersion of Semiconducting Carbon Nanotubes from Commercial Sources Using a Supramolecular Polymer. <i>ACS Nano</i> , 2017, 11, 5660-5669.	7.3	47
14	Ultrasensitive and stretchable graphene electrodes. <i>Science Advances</i> , 2017, 3, e1700159.	4.7	231
15	Hybrid 3D Printing of Soft Electronics. <i>Advanced Materials</i> , 2017, 29, 1703817.	11.1	501
16	Investigating Limiting Factors in Stretchable All-Carbon Transistors for Reliable Stretchable Electronics. <i>ACS Nano</i> , 2017, 11, 7925-7937.	7.3	52
17	Pursuing prosthetic electronic skin. <i>Nature Materials</i> , 2016, 15, 937-950.	13.3	1,821
18	Mechanically Durable and Highly Stretchable Transistors Employing Carbon Nanotube Semiconductor and Electrodes. <i>Advanced Materials</i> , 2016, 28, 4441-4448.	11.1	234

#	ARTICLE	IF	CITATIONS
19	Stretchable Self-Healing Polymeric Dielectrics Cross-Linked Through Metal-Ligand Coordination. <i>Journal of the American Chemical Society</i> , 2016, 138, 6020-6027.	6.6	453
20	Intrinsically stretchable and healable semiconducting polymer for organic transistors. <i>Nature</i> , 2016, 539, 411-415.	13.7	1,030
21	Capacitance Characterization of Elastomeric Dielectrics for Applications in Intrinsically Stretchable Thin Film Transistors. <i>Advanced Functional Materials</i> , 2016, 26, 4680-4686.	7.8	77
22	Pressure Sensors: A Sensitive and Biodegradable Pressure Sensor Array for Cardiovascular Monitoring (<i>Adv. Mater.</i> 43/2015). <i>Advanced Materials</i> , 2015, 27, 6953-6953.	11.1	11
23	Fully biodegradable pressure sensor, viscoelastic behavior of PGS dielectric elastomer upon degradation. , 2015, , .		4
24	Highly Skin-Conformal Microhairy Sensor for Pulse Signal Amplification. <i>Advanced Materials</i> , 2015, 27, 634-640.	11.1	621
25	A Sensitive and Biodegradable Pressure Sensor Array for Cardiovascular Monitoring. <i>Advanced Materials</i> , 2015, 27, 6954-6961.	11.1	544
26	A skin-inspired organic digital mechanoreceptor. <i>Science</i> , 2015, 350, 313-316.	6.0	708
27	A chameleon-inspired stretchable electronic skin with interactive colour changing controlled by tactile sensing. <i>Nature Communications</i> , 2015, 6, 8011.	5.8	749
28	Skin-inspired electronic devices. <i>Materials Today</i> , 2014, 17, 321-331.	8.3	487
29	Tunable Flexible Pressure Sensors using Microstructured Elastomer Geometries for Intuitive Electronics. <i>Advanced Functional Materials</i> , 2014, 24, 5427-5434.	7.8	424
30	Highly Stretchable Transistors Using a Microcracked Organic Semiconductor. <i>Advanced Materials</i> , 2014, 26, 4253-4259.	11.1	200
31	A Three-Dimensionally Interconnected Carbon Nanotube-Conducting Polymer Hydrogel Network for High-Performance Flexible Battery Electrodes. <i>Advanced Energy Materials</i> , 2014, 4, 1400207.	10.2	280
32	An ultra-sensitive resistive pressure sensor based on hollow-sphere microstructure induced elasticity in conducting polymer film. <i>Nature Communications</i> , 2014, 5, 3002.	5.8	1,225
33	Continuous wireless pressure monitoring and mapping with ultra-small passive sensors for health monitoring and critical care. <i>Nature Communications</i> , 2014, 5, 5028.	5.8	418
34	A Rapid and Facile Soft Contact Lamination Method: Evaluation of Polymer Semiconductors for Stretchable Transistors. <i>Chemistry of Materials</i> , 2014, 26, 4544-4551.	3.2	101
35	25th Anniversary Article: The Evolution of Electronic Skin (E-Skin): A Brief History, Design Considerations, and Recent Progress. <i>Advanced Materials</i> , 2013, 25, 5997-6038.	11.1	2,001