

Alex L Chortos

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

11,056
citations

27
h-index

36
g-index

36
ext. papers

13,026
ext. citations

18.8
avg, IF

6.55
L-index

#	Paper	IF	Citations
35	Photoswitchable Covalent Adaptive Networks Based on Thiol-Ene Elastomers.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	2
34	Design of Fully Controllable and Continuous Programmable Surface Based on Machine Learning. <i>IEEE Robotics and Automation Letters</i> , 2022 , 7, 549-556	4.2	1
33	Printing Reconfigurable Bundles of Dielectric Elastomer Fibers. <i>Advanced Functional Materials</i> , 2021 , 31, 2010643	15.6	19
32	3D Printing of Interdigitated Dielectric Elastomer Actuators. <i>Advanced Functional Materials</i> , 2020 , 30, 1907375	15.6	70
31	Voltage-controlled morphing of dielectric elastomer circular sheets into conical surfaces. <i>Extreme Mechanics Letters</i> , 2019 , 30, 100504	3.9	17
30	Stretchable temperature-sensing circuits with strain suppression based on carbon nanotube transistors. <i>Nature Electronics</i> , 2018 , 1, 183-190	28.4	180
29	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	11.5	73
28	A hierarchically patterned, bioinspired e-skin able to detect the direction of applied pressure for robotics. <i>Science Robotics</i> , 2018 , 3,	18.6	330
27	A bioinspired flexible organic artificial afferent nerve. <i>Science</i> , 2018 , 360, 998-1003	33.3	637
26	A stretchable and biodegradable strain and pressure sensor for orthopaedic application. <i>Nature Electronics</i> , 2018 , 1, 314-321	28.4	275
25	Universal Selective Dispersion of Semiconducting Carbon Nanotubes from Commercial Sources Using a Supramolecular Polymer. <i>ACS Nano</i> , 2017 , 11, 5660-5669	16.7	34
24	Ultrasensitive and stretchable graphene electrodes. <i>Science Advances</i> , 2017 , 3, e1700159	14.3	168
23	Hybrid 3D Printing of Soft Electronics. <i>Advanced Materials</i> , 2017 , 29, 1703817	24	344
22	Investigating Limiting Factors in Stretchable All-Carbon Transistors for Reliable Stretchable Electronics. <i>ACS Nano</i> , 2017 , 11, 7925-7937	16.7	47
21	Intrinsically stretchable and healable semiconducting polymer for organic transistors. <i>Nature</i> , 2016 , 539, 411-415	50.4	779
20	Capacitance Characterization of Elastomeric Dielectrics for Applications in Intrinsically Stretchable Thin Film Transistors. <i>Advanced Functional Materials</i> , 2016 , 26, 4680-4686	15.6	68
19	Pursuing prosthetic electronic skin. <i>Nature Materials</i> , 2016 , 15, 937-50	27	1324

18	Mechanically Durable and Highly Stretchable Transistors Employing Carbon Nanotube Semiconductor and Electrodes. <i>Advanced Materials</i> , 2016 , 28, 4441-8	24	191
17	Stretchable Self-Healing Polymeric Dielectrics Cross-Linked Through Metal-Ligand Coordination. <i>Journal of the American Chemical Society</i> , 2016 , 138, 6020-7	16.4	341
16	A Sensitive and Biodegradable Pressure Sensor Array for Cardiovascular Monitoring. <i>Advanced Materials</i> , 2015 , 27, 6954-61	24	400
15	A skin-inspired organic digital mechanoreceptor. <i>Science</i> , 2015 , 350, 313-6	33.3	576
14	A chameleon-inspired stretchable electronic skin with interactive colour changing controlled by tactile sensing. <i>Nature Communications</i> , 2015 , 6, 8011	17.4	567
13	Pressure Sensors: A Sensitive and Biodegradable Pressure Sensor Array for Cardiovascular Monitoring (Adv. Mater. 43/2015). <i>Advanced Materials</i> , 2015 , 27, 6953-6953	24	10
12	Fully biodegradable pressure sensor, viscoelastic behavior of PGS dielectric elastomer upon degradation 2015 ,		3
11	Highly skin-conformal microhairry sensor for pulse signal amplification. <i>Advanced Materials</i> , 2015 , 27, 634-40	24	486
10	Highly stretchable transistors using a microcracked organic semiconductor. <i>Advanced Materials</i> , 2014 , 26, 4253-9	24	167
9	A Three-Dimensionally Interconnected Carbon Nanotube Conducting Polymer Hydrogel Network for High-Performance Flexible Battery Electrodes. <i>Advanced Energy Materials</i> , 2014 , 4, 1400207	21.8	242
8	An ultra-sensitive resistive pressure sensor based on hollow-sphere microstructure induced elasticity in conducting polymer film. <i>Nature Communications</i> , 2014 , 5, 3002	17.4	977
7	Continuous wireless pressure monitoring and mapping with ultra-small passive sensors for health monitoring and critical care. <i>Nature Communications</i> , 2014 , 5, 5028	17.4	320
6	A Rapid and Facile Soft Contact Lamination Method: Evaluation of Polymer Semiconductors for Stretchable Transistors. <i>Chemistry of Materials</i> , 2014 , 26, 4544-4551	9.6	82
5	Skin-inspired electronic devices. <i>Materials Today</i> , 2014 , 17, 321-331	21.8	380
4	Tunable Flexible Pressure Sensors using Microstructured Elastomer Geometries for Intuitive Electronics. <i>Advanced Functional Materials</i> , 2014 , 24, 5427-5434	15.6	317
3	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	24	1622
2	Extrusion 3D printing of conjugated polymers. <i>Journal of Polymer Science</i> ,	2.4	1
1	Control Strategies for Soft Robot Systems. <i>Advanced Intelligent Systems</i> , 2100165	6	5

