

Aaron D Mazzeo

List of Publications by Citations

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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.

30
papers

3,422
citations

17
h-index

33
g-index

33
ext. papers

3,977
ext. citations

8.6
avg, IF

4.97
L-index

#	Paper	IF	Citations
30	Multigait soft robot. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 20400-3	11.5	1309
29	Soft robotics for chemists. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1890-5	16.4	691
28	Soft Robotics for Chemists. <i>Angewandte Chemie</i> , 2011 , 123, 1930-1935	3.6	421
27	Using explosions to power a soft robot. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 2892-6	16.4	166
26	Paper-based, capacitive touch pads. <i>Advanced Materials</i> , 2012 , 24, 2850-6	24	164
25	Paper-based electroanalytical devices for accessible diagnostic testing. <i>MRS Bulletin</i> , 2013 , 38, 309-314	3.2	156
24	Platform for high-throughput testing of the effect of soluble compounds on 3D cell cultures. <i>Analytical Chemistry</i> , 2013 , 85, 8085-94	7.8	103
23	Using Explosions to Power a Soft Robot. <i>Angewandte Chemie</i> , 2013 , 125, 2964-2968	3.6	66
22	Control of soft machines using actuators operated by a Braille display. <i>Lab on A Chip</i> , 2014 , 14, 189-99	7.2	56
21	Millimeter-scale contact printing of aqueous solutions using a stamp made out of paper and tape. <i>Lab on A Chip</i> , 2010 , 10, 3201-5	7.2	53
20	Polymer-based mesh as supports for multi-layered 3D cell culture and assays. <i>Biomaterials</i> , 2014 , 35, 259-68	15.6	37
19	Rotary Actuators Based on Pneumatically Driven Elastomeric Structures. <i>Advanced Materials</i> , 2016 , 28, 7533-8	24	31
18	InfoBiology by printed arrays of microorganism colonies for timed and on-demand release of messages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 16510-4	11.5	27
17	An X-band theory of electromagnetic interference shielding for graphene-polymer nanocomposites. <i>Journal of Applied Physics</i> , 2017 , 122, 025104	2.5	26
16	Reconfigurable self-assembly of mesoscale optical components at a liquid-liquid interface. <i>Advanced Materials</i> , 2011 , 23, 2413-8	24	25
15	Atomic force microscope for accurate dimensional metrology. <i>Precision Engineering</i> , 2009 , 33, 135-149	2.9	18
14	Paper-based plasma sanitizers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 5119-5124	11.5	17

13	Bubble removal in centrifugal casting: Combined effects of buoyancy and diffusion. <i>Polymer Engineering and Science</i> , 2012 , 52, 80-90	2.3	8
12	Titelbild: Soft Robotics for Chemists (Angew. Chem. 8/2011). <i>Angewandte Chemie</i> , 2011 , 123, 1765-1765	3.6	8
11	Centrifuge-based deterministic lateral displacement separation. <i>Microfluidics and Nanofluidics</i> , 2016 , 20, 1	2.8	7
10	Elastomeric Actuators on Airfoils for Aerodynamic Control of Lift and Drag. <i>Advanced Engineering Materials</i> , 2015 , 17, 951-960	3.5	7
9	A flexible future for paper-based electronics 2016 ,		7
8	Centrifugal Casting of Microfluidic Components With PDMS. <i>Journal of Micro and Nano-Manufacturing</i> , 2013 , 1,	1.3	6
7	Paper-Based Resistive Networks for Scalable Skin-Like Sensing. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800131	6.4	4
6	Arrayed Force Sensors Made of Paper, Elastomer, and Hydrogel Particles. <i>Micromachines</i> , 2017 , 8,	3.3	4
5	High-gravity spreading of liquid puddles on wetting flexible substrates. <i>Applied Physics Letters</i> , 2016 , 108, 074102	3.4	2
4	Spreading of fast-curing, thermosetting silicones. <i>Applied Physics Letters</i> , 2019 , 115, 253701	3.4	1
3	Cold plasma from flexible and conformable paper-based electrodes for fresh produce sanitation: Evaluation of microbial inactivation and quality changes. <i>Food Control</i> , 2022 , 137, 108915	6.2	1
2	Tunable Electrical Properties of Embossed, Cellulose-Based Paper for Skin-like Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 51960-51968	9.5	0
1	Cover Picture: Soft Robotics for Chemists (Angew. Chem. Int. Ed. 8/2011). <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1727-1727	16.4	