

Dan Sameoto

List of Publications by Year in descending order

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38
papers

781
citations

471509
17
h-index

526287
27
g-index

38
all docs

38
docs citations

38
times ranked

800
citing authors

#	ARTICLE	IF	CITATIONS
1	Space applications for gecko-inspired adhesives. , 2022, , 423-458.		3
2	R3VAMPs - Fully Recyclable, Reconfigurable, and Recoverable Vacuum Actuated Muscle-inspired Pneumatic structures. , 2022, , .		2
3	Durable poly(N-isopropylacrylamide) grafted PDMS micropillared surfaces for temperature-modulated wetting. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125901.	4.7	4
4	Gravity assisted super high flux microfiltration polyamide-imide membranes for oil/water emulsion separation. Journal of Membrane Science, 2021, 621, 119019.	8.2	40
5	Smart Textiles for Visible and IR Camouflage Application: State-of-the-Art and Microfabrication Path Forward. Micromachines, 2021, 12, 773.	2.9	19
6	Micropatterned Thin-Film Composite Poly(piperazine-amide) Nanofiltration Membranes for Wastewater Treatment. ACS Applied Polymer Materials, 2021, 3, 6653-6665.	4.4	18
7	Reproducibility of superhydrophobic and oleophobic polymeric micro surface topographies. Surface Topography: Metrology and Properties, 2020, 8, 045010.	1.6	6
8	Overview of membrane technology. , 2020, , 1-28.		23
9	Durability and Recoverability of Soft Lithographically Patterned Hydrogel Molds for the Formation of Phase Separation Membranes. Micromachines, 2020, 11, 108.	2.9	6
10	Fabricating 3D Structures by Combining 2D Printing and Relaxation of Strain. Advanced Materials Technologies, 2019, 4, 1800299.	5.8	36
11	Tendon-Driven Functionally Gradient Soft Robotic Gripper 3D Printed with Intermixed Extrudate of Hard and Soft Thermoplastics. 3D Printing and Additive Manufacturing, 2019, 6, 191-203.	2.9	29
12	Integration of Thermoresponsive Velcro-like Adhesive for Soft Robotic Grasping of Fabrics or Smooth Surfaces. , 2019, , .		5
13	Direct coupling of fixed screw extruders using flexible heated hoses for FDM printing of extremely soft thermoplastic elastomers. Progress in Additive Manufacturing, 2019, 4, 197-209.	4.8	28
14	Editorial for the Special Issue on Polymer Based MEMS and Microfabrication. Micromachines, 2019, 10, 49.	2.9	0
15	Direct 3D Printing of Stretchable Circuits via Liquid Metal Co-extrusion Within Thermoplastic Filaments. Advanced Engineering Materials, 2019, 21, 1900060.	3.5	45
16	Direct Micropatterning of Phase Separation Membranes Using Hydrogel Soft Lithography. Advanced Materials Technologies, 2019, 4, 1800384.	5.8	22
17	Fluorosilicone as an Omnimold for Microreplication. Micromachines, 2018, 9, 406.	2.9	3
18	Printing with mechanically interlocked extrudates using a custom bi-extruder for fused deposition modelling. Rapid Prototyping Journal, 2018, 24, 921-934.	3.2	46

#	ARTICLE	IF	CITATIONS
19	Adhesion Circle: A New Approach To Better Characterize Directional Gecko-Inspired Dry Adhesives. ACS Applied Materials & Interfaces, 2017, 9, 3060-3067.	8.0	18
20	Beam-Reconfigurable Aperture Antenna by Stretching or Reshaping of a Flexible Surface. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1337-1340.	4.0	10
21	Gecko-Inspired Gaskets for Multilayer, Complex, and Stretchable Liquid Metal Microwave Circuits and Antennas. Advanced Materials Technologies, 2017, 2, 1700144.	5.8	24
22	Manufacturing Approaches and Applications for Bioinspired Dry Adhesives. Biologically-inspired Systems, 2017, , 221-244.	0.2	5
23	Switchable Dry Adhesion with Step-like Micropillars and Controllable Interfacial Contact. ACS Applied Materials & Interfaces, 2016, 8, 10029-10037.	8.0	58
24	Microfluidic liquid metal based mechanically reconfigurable antenna using reversible gecko adhesive based bonding. , 2016, , .		16
25	Mechanically tunable periodic electromagnetic surface using stretchable polymer. , 2016, , .		2
26	Determining adhesion of nonuniform arrays of fibrils. Journal of Adhesion Science and Technology, 2014, 28, 320-336.	2.6	6
27	Strong, Reversible Underwater Adhesion via Gecko-Inspired Hydrophobic Fibers. ACS Applied Materials & Interfaces, 2014, 6, 21995-22003.	8.0	47
28	Robust large-area synthetic dry adhesives. Journal of Adhesion Science and Technology, 2014, 28, 337-353.	2.6	18
29	Nonangled anisotropic elastomeric dry adhesives with tailorable normal adhesion strength and high directionality. Journal of Adhesion Science and Technology, 2014, 28, 354-366.	2.6	19
30	Fabrication and Characterization of Thermoplastic Elastomer Dry Adhesives with High Strength and Low Contamination. ACS Applied Materials & Interfaces, 2014, 6, 6806-6815.	8.0	26
31	Anisotropic dry adhesive via cap defects. Bioinspiration and Biomimetics, 2013, 8, 044002.	2.9	32
32	Investigation of low-pressure adhesion performance of mushroom shaped biomimetic dry adhesives. Journal of Adhesion Science and Technology, 2012, 26, 2641-2652.	2.6	40
33	Abigail II: toward the development of a spider-inspired climbing robot. Robotica, 2012, 30, 79-89.	1.9	65
34	Microwave susceptor design for wafer bonding applications. , 2012, , .		2
35	Enhanced compliant adhesive design and fabrication with dual-level hierarchical structure. Journal of Bionic Engineering, 2010, 7, 228-234.	5.0	15
36	Multi-Scale Compliant Foot Designs and Fabrication for Use with a Spider-Inspired Climbing Robot. Journal of Bionic Engineering, 2008, 5, 189-196.	5.0	32

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37	Micromask Generation for Polymer Morphology Control: Nanohair Fabrication for Synthetic Dry Adhesives. <i>Advances in Science and Technology</i> , 2008, 54, 439-444.	0.2	11
38	A Free-Space Tunable Beam Expander Designed for Automated Assembly. , 2007, , .		0