

Dan Sameoto

List of Publications by Year in descending order

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Version: 2024-02-01

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	Abigaille II: toward the development of a spider-inspired climbing robot. <i>Robotica</i> , 2012, 30, 79-89.	1.9	65
2	Switchable Dry Adhesion with Step-like Micropillars and Controllable Interfacial Contact. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10029-10037.	8.0	58
3	Strong, Reversible Underwater Adhesion via Gecko-Inspired Hydrophobic Fibers. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21995-22003.	8.0	47
4	Printing with mechanically interlocked extrudates using a custom bi-extruder for fused deposition modelling. <i>Rapid Prototyping Journal</i> , 2018, 24, 921-934.	3.2	46
5	Direct 3D Printing of Stretchable Circuits via Liquid Metal Co-Extrusion Within Thermoplastic Filaments. <i>Advanced Engineering Materials</i> , 2019, 21, 1900060.	3.5	45
6	Investigation of low-pressure adhesion performance of mushroom shaped biomimetic dry adhesives. <i>Journal of Adhesion Science and Technology</i> , 2012, 26, 2641-2652.	2.6	40
7	Gravity assisted super high flux microfiltration polyamide-imide membranes for oil/water emulsion separation. <i>Journal of Membrane Science</i> , 2021, 621, 119019.	8.2	40
8	Fabricating 3D Structures by Combining 2D Printing and Relaxation of Strain. <i>Advanced Materials Technologies</i> , 2019, 4, 1800299.	5.8	36
9	Multi-Scale Compliant Foot Designs and Fabrication for Use with a Spider-Inspired Climbing Robot. <i>Journal of Bionic Engineering</i> , 2008, 5, 189-196.	5.0	32
10	Anisotropic dry adhesive via cap defects. <i>Bioinspiration and Biomimetics</i> , 2013, 8, 044002.	2.9	32
11	Tendon-Driven Functionally Gradient Soft Robotic Gripper 3D Printed with Intermixed Extrudate of Hard and Soft Thermoplastics. <i>3D Printing and Additive Manufacturing</i> , 2019, 6, 191-203.	2.9	29
12	Direct coupling of fixed screw extruders using flexible heated hoses for FDM printing of extremely soft thermoplastic elastomers. <i>Progress in Additive Manufacturing</i> , 2019, 4, 197-209.	4.8	28
13	Fabrication and Characterization of Thermoplastic Elastomer Dry Adhesives with High Strength and Low Contamination. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 6806-6815.	8.0	26
14	Gecko-Gaskets for Multilayer, Complex, and Stretchable Liquid Metal Microwave Circuits and Antennas. <i>Advanced Materials Technologies</i> , 2017, 2, 1700144.	5.8	24
15	Overview of membrane technology. , 2020, , 1-28.		23
16	Direct Micropatterning of Phase Separation Membranes Using Hydrogel Soft Lithography. <i>Advanced Materials Technologies</i> , 2019, 4, 1800384.	5.8	22
17	Nonangled anisotropic elastomeric dry adhesives with tailorable normal adhesion strength and high directionality. <i>Journal of Adhesion Science and Technology</i> , 2014, 28, 354-366.	2.6	19
18	Smart Textiles for Visible and IR Camouflage Application: State-of-the-Art and Microfabrication Path Forward. <i>Micromachines</i> , 2021, 12, 773.	2.9	19

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19	Robust large-area synthetic dry adhesives. <i>Journal of Adhesion Science and Technology</i> , 2014, 28, 337-353.	2.6	18
20	Adhesion Circle: A New Approach To Better Characterize Directional Gecko-Inspired Dry Adhesives. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3060-3067.	8.0	18
21	Micropatterned Thin-Film Composite Poly(piperazine-amide) Nanofiltration Membranes for Wastewater Treatment. <i>ACS Applied Polymer Materials</i> , 2021, 3, 6653-6665.	4.4	18
22	Microfluidic liquid metal based mechanically reconfigurable antenna using reversible gecko adhesive based bonding. , 2016, , .		16
23	Enhanced compliant adhesive design and fabrication with dual-level hierarchical structure. <i>Journal of Bionic Engineering</i> , 2010, 7, 228-234.	5.0	15
24	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
25	Beam-Reconfigurable Aperture Antenna by Stretching or Reshaping of a Flexible Surface. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 1337-1340.	4.0	10
26	Determining adhesion of nonuniform arrays of fibrils. <i>Journal of Adhesion Science and Technology</i> , 2014, 28, 320-336.	2.6	6
27	Reproducibility of superhydrophobic and oleophobic polymeric micro surface topographies. <i>Surface Topography: Metrology and Properties</i> , 2020, 8, 045010.	1.6	6
28	Durability and Recoverability of Soft Lithographically Patterned Hydrogel Molds for the Formation of Phase Separation Membranes. <i>Micromachines</i> , 2020, 11, 108.	2.9	6
29	Manufacturing Approaches and Applications for Bioinspired Dry Adhesives. <i>Biologically-inspired Systems</i> , 2017, , 221-244.	0.2	5
30	Integration of Thermoresponsive Velcro-like Adhesive for Soft Robotic Grasping of Fabrics or Smooth Surfaces. , 2019, , .		5
31	Durable poly(N-isopropylacrylamide) grafted PDMS micropillared surfaces for temperature-modulated wetting. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125901.	4.7	4
32	Fluorosilicone as an Omnimold for Microreplication. <i>Micromachines</i> , 2018, 9, 406.	2.9	3
33	Space applications for gecko-inspired adhesives. , 2022, , 423-458.		3
34	Microwave susceptor design for wafer bonding applications. , 2012, , .		2
35	Mechanically tunable periodic electromagnetic surface using stretchable polymer. , 2016, , .		2
36	R3VAMPs - Fully Recyclable, Reconfigurable, and Recoverable Vacuum Actuated Muscle-inspired Pneumatic structures. , 2022, , .		2

#	ARTICLE	IF	CITATIONS
37	A Free-Space Tunable Beam Expander Designed for Automated Assembly. , 2007, , .		0
38	Editorial for the Special Issue on Polymer Based MEMS and Microfabrication. Micromachines, 2019, 10, 49.	2.9	0