

Michael Smith

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

530
citations

759233

12
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

594
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling and assessing the quality of aerosol jet printed features for large area and flexible electronics. <i>Flexible and Printed Electronics</i> , 2017, 2, 015004.	2.7	121
2	Piezoelectric polymers: theory, challenges and opportunities. <i>International Materials Reviews</i> , 2022, 67, 65-88.	19.3	103
3	Direct observation of shear piezoelectricity in poly-l-lactic acid nanowires. <i>APL Materials</i> , 2017, 5, .	5.1	44
4	Freestanding Functional Structures by Aerosol Jet Printing for Stretchable Electronics and Sensing Applications. <i>Advanced Materials Technologies</i> , 2019, 4, 1900048.	5.8	42
5	Aerosol Jet Printed Fine-Featured Triboelectric Sensors for Motion Sensing. <i>Advanced Materials Technologies</i> , 2019, 4, 1800328.	5.8	38
6	Unprecedented dipole alignment in β -phase nylon-11 nanowires for high-performance energy-harvesting applications. <i>Science Advances</i> , 2020, 6, eaay5065.	10.3	30
7	Poly-L-Lactic Acid Nanotubes as Soft Piezoelectric Interfaces for Biology: Controlling Cell Attachment via Polymer Crystallinity. <i>ACS Applied Bio Materials</i> , 2020, 3, 2140-2149.	4.6	27
8	Mapping piezoelectric response in nanomaterials using a dedicated non-destructive scanning probe technique. <i>Nanoscale</i> , 2017, 9, 19290-19297.	5.6	23
9	Aerosol-jet printing facilitates the rapid prototyping of microfluidic devices with versatile geometries and precise channel functionalization. <i>Applied Materials Today</i> , 2020, 19, 100618.	4.3	22
10	Mechanical Energy Harvesting Performance of Ferroelectric Polymer Nanowires Grown via Template-Wetting. <i>Energy Technology</i> , 2018, 6, 928-934.	3.8	20
11	Fully Printed Flexible Plasmonic Metafilms with Directional Color Dynamics. <i>Advanced Science</i> , 2021, 8, 2002419.	11.2	20
12	Exploring piezoelectric properties of InAs nanowires using piezo-response force microscopy. <i>Semiconductor Science and Technology</i> , 2017, 32, 074006.	2.0	18
13	Needs and Enabling Technologies for Stretchable Electronics Commercialization. <i>MRS Advances</i> , 2017, 2, 1721-1729.	0.9	11
14	Enhanced Molecular Alignment in Poly-L-Lactic Acid Nanotubes Induced via Melt-Press Template-Wetting. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800607.	3.6	11