

JÃ¼rgen Brugger

List of Publications by Year in descending order

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186
papers

5,726
citations

81743

39
h-index

95083

68
g-index

191
all docs

191
docs citations

191
times ranked

8181
citing authors

#	ARTICLE	IF	CITATIONS
1	All-fiber hybrid piezoelectric-enhanced triboelectric nanogenerator for wearable gesture monitoring. <i>Nano Energy</i> , 2018, 48, 152-160.	8.2	343
2	Nanoscale topographical control of capillary assembly of nanoparticles. <i>Nature Nanotechnology</i> , 2017, 12, 73-80.	15.6	266
3	All-in-one self-powered flexible microsystems based on triboelectric nanogenerators. <i>Nano Energy</i> , 2018, 47, 410-426.	8.2	249
4	Microdrop Printing of Hydrogel Bioinks into 3D Tissue-Like Geometries. <i>Advanced Materials</i> , 2012, 24, 391-396.	11.1	231
5	Silicon Nanostructures for Bright Field Full Color Prints. <i>ACS Photonics</i> , 2017, 4, 1913-1919.	3.2	156
6	A silk-fibroin-based transparent triboelectric generator suitable for autonomous sensor network. <i>Nano Energy</i> , 2016, 20, 37-47.	8.2	136
7	Penciling a triboelectric nanogenerator on paper for autonomous power MEMS applications. <i>Nano Energy</i> , 2017, 33, 393-401.	8.2	125
8	Printed silk-fibroin-based triboelectric nanogenerators for multi-functional wearable sensing. <i>Nano Energy</i> , 2019, 66, 104123.	8.2	119
9	In-Plane Plasmonic Antenna Arrays with Surface Nanogaps for Giant Fluorescence Enhancement. <i>Nano Letters</i> , 2017, 17, 1703-1710.	4.5	114
10	Recent progress in silk fibroin-based flexible electronics. <i>Microsystems and Nanoengineering</i> , 2021, 7, 35.	3.4	109
11	Parallel nanodevice fabrication using a combination of shadow mask and scanning probe methods. <i>Applied Physics Letters</i> , 1999, 75, 1314-1316.	1.5	108
12	An Oligomerized 53BP1 Tudor Domain Suffices for Recognition of DNA Double-Strand Breaks. <i>Molecular and Cellular Biology</i> , 2009, 29, 1050-1058.	1.1	104
13	Antibacterial Au nanostructured surfaces. <i>Nanoscale</i> , 2016, 8, 2620-2625.	2.8	101
14	Nanostructured surface topographies have an effect on bactericidal activity. <i>Journal of Nanobiotechnology</i> , 2018, 16, 20.	4.2	91
15	Fabrication and Functionalization of Nanochannels by Electron-Beam-Induced Silicon Oxide Deposition. <i>Langmuir</i> , 2006, 22, 10711-10715.	1.6	89
16	Hybrid polymer microlens arrays with high numerical apertures fabricated using simple ink-jet printing technique. <i>Optical Materials Express</i> , 2011, 1, 259.	1.6	89
17	Resistless nanofabrication by stencil lithography: A review. <i>Microelectronic Engineering</i> , 2015, 132, 236-254.	1.1	88
18	Fabrication and application of a full wafer size micro/nanostencil for multiple length-scale surface patterning. <i>Microelectronic Engineering</i> , 2003, 67-68, 609-614.	1.1	87

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19	Metallic Nanodot Arrays by Stencil Lithography for Plasmonic Biosensing Applications. ACS Nano, 2011, 5, 844-853.	7.3	87
20	Harnessing the damping properties of materials for high-speed atomic force microscopy. Nature Nanotechnology, 2016, 11, 147-151.	15.6	81
21	Directly fabricated multi-scale microlens arrays on a hydrophobic flat surface by a simple ink-jet printing technique. Journal of Materials Chemistry, 2012, 22, 3053.	6.7	76
22	Facile fabrication of nanofluidic diode membranes using anodic aluminium oxide. Nanoscale, 2012, 4, 5718.	2.8	70
23	Thermal scanning probe lithographyâ€”a review. Microsystems and Nanoengineering, 2020, 6, 21.	3.4	70
24	Block Copolymer Micelles as Switchable Templates for Nanofabrication. Langmuir, 2006, 22, 3450-3452.	1.6	69
25	Influence of carbon enrichment on electrical conductivity and processing of polycarbosilane derived ceramic for MEMS applications. Journal of the European Ceramic Society, 2014, 34, 3559-3570.	2.8	61
26	Complex oxide nanostructures by pulsed laser deposition through nanostencils. Applied Physics Letters, 2005, 86, 183107.	1.5	60
27	Cell Membranes Suspended Across Nanoaperture Arrays. Langmuir, 2006, 22, 22-25.	1.6	59
28	High-Resolution Resistless Nanopatterning on Polymer and Flexible Substrates for Plasmonic Biosensing Using Stencil Masks. ACS Nano, 2012, 6, 5474-5481.	7.3	57
29	Shadow-Mask Evaporation through Monolayer-Modified Nanostencils. Nano Letters, 2002, 2, 1339-1343.	4.5	53
30	CAFM investigations of filamentary conduction in Cu ₂ O ReRAM devices fabricated using stencil lithography technique. Nanotechnology, 2012, 23, 495707.	1.3	49
31	High Throughput Nanofabrication of Silicon Nanowire and Carbon Nanotube Tips on AFM Probes by Stencil-Deposited Catalysts. Nano Letters, 2011, 11, 1568-1574.	4.5	47
32	Link between Alginate Reaction Front Propagation and General Reaction Diffusion Theory. Analytical Chemistry, 2011, 83, 2234-2242.	3.2	45
33	High-resolution 1D moirÃ©s as counterfeit security features. Light: Science and Applications, 2013, 2, e86-e86.	7.7	45
34	Inkjet-Printed Multicolor Arrays of Highly Luminescent Nanocrystal-Based Nanocomposites. Small, 2009, 5, 1051-1057.	5.2	44
35	The transition in hydrogen sensing behavior in noncontinuous palladium films. Applied Physics Letters, 2010, 97, .	1.5	43
36	Planar Optical Nanoantennas Resolve Cholesterol-Dependent Nanoscale Heterogeneities in the Plasma Membrane of Living Cells. Nano Letters, 2017, 17, 6295-6302.	4.5	43

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37	Size-dependent free solution DNA electrophoresis in structured microfluidic systems. <i>Microelectronic Engineering</i> , 2003, 67-68, 905-912.	1.1	42
38	Mode Coupling in Plasmonic Heterodimers Probed with Electron Energy Loss Spectroscopy. <i>ACS Nano</i> , 2017, 11, 3485-3495.	7.3	42
39	Optical Antenna-Based Fluorescence Correlation Spectroscopy to Probe the Nanoscale Dynamics of Biological Membranes. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 110-119.	2.1	41
40	Precision Surface Microtopography Regulates Cell Fate via Changes to Actomyosin Contractility and Nuclear Architecture. <i>Advanced Science</i> , 2021, 8, 2003186.	5.6	41
41	Predicting mask distortion, clogging and pattern transfer for stencil lithography. <i>Microelectronic Engineering</i> , 2007, 84, 42-53.	1.1	40
42	Ultra-low power hydrogen sensing based on a palladium-coated nanomechanical beam resonator. <i>Nanoscale</i> , 2012, 4, 5059.	2.8	40
43	All-photoplastic microstencil with self-alignment for multiple layer shadow-mask patterning. <i>Sensors and Actuators A: Physical</i> , 2003, 107, 132-136.	2.0	39
44	Large-Scale Arrays of Bowtie Nanoaperture Antennas for Nanoscale Dynamics in Living Cell Membranes. <i>Nano Letters</i> , 2015, 15, 4176-4182.	4.5	39
45	Transient Nanoscopic Phase Separation in Biological Lipid Membranes Resolved by Planar Plasmonic Antennas. <i>ACS Nano</i> , 2017, 11, 7241-7250.	7.3	39
46	Field effect modulated nanofluidic diode membrane based on Al ₂ O ₃ /W heterogeneous nanopore arrays. <i>Applied Physics Letters</i> , 2013, 102, 213108.	1.5	37
47	Highly ordered palladium nanodot patterns for full concentration range hydrogen sensing. <i>Nanoscale</i> , 2012, 4, 1964.	2.8	35
48	Organic thin film transistors on flexible polyimide substrates fabricated by full-wafer stencil lithography. <i>Sensors and Actuators A: Physical</i> , 2010, 162, 155-159.	2.0	34
49	Bi-directional ACET micropump for on-chip biological applications. <i>Electrophoresis</i> , 2016, 37, 719-726.	1.3	34
50	Thermomechanical Nanostraining of Two-Dimensional Materials. <i>Nano Letters</i> , 2020, 20, 8250-8257.	4.5	34
51	Corrugated membranes for improved pattern definition with micro/nanostencil lithography. <i>Sensors and Actuators A: Physical</i> , 2006, 130-131, 568-574.	2.0	31
52	Formation of Metal Nano- and Micropatterns on Self-Assembled Monolayers by Pulsed Laser Deposition Through Nanostencils and Electroless Deposition. <i>Advanced Functional Materials</i> , 2006, 16, 1337-1342.	7.8	30
53	Thermomechanical Nanocutting of 2D Materials. <i>Advanced Materials</i> , 2020, 32, e2001232.	11.1	30
54	Characterization of an integrated force sensor based on a MOS transistor for applications in scanning force microscopy. <i>Sensors and Actuators A: Physical</i> , 1998, 64, 1-6.	2.0	29

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55	Reusability of nanostencils for the patterning of Aluminum nanostructures by selective wet etching. <i>Microelectronic Engineering</i> , 2008, 85, 1237-1240.	1.1	29
56	Carbon nanotubesâ€“SU8 composite for flexible conductive inkjet printable applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 14030.	6.7	29
57	Direct Observation of Nuclear Spin Diffusion in Real Space. <i>Physical Review Letters</i> , 2007, 99, 227603.	2.9	28
58	Nanomechanical Mass Sensor for Spatially Resolved Ultrasensitive Monitoring of Deposition Rates in Stencil Lithography. <i>Small</i> , 2009, 5, 176-180.	5.2	28
59	Nanopatterning of a Stimuli-Responsive Fluorescent Supramolecular Polymer by Thermal Scanning Probe Lithography. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 41454-41461.	4.0	28
60	Simply Structured Wearable Triboelectric Nanogenerator Based on a Hybrid Composition of Carbon Nanotubes and Polymer Layer. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2020, 7, 683-698.	2.7	28
61	Nano-Stenciled RGD-Gold Patterns That Inhibit Focal Contact Maturation Induce Lamellipodia Formation in Fibroblasts. <i>PLoS ONE</i> , 2011, 6, e25459.	1.1	27
62	Drop-On-Demand Inkjet Printing of SU-8 Polymer. <i>Micro and Nanosystems</i> , 2009, 1, 63-67.	0.3	26
63	Reliable and Improved Nanoscale Stencil Lithography by Membrane Stabilization, Blurring, and Clogging Corrections. <i>IEEE Nanotechnology Magazine</i> , 2011, 10, 352-357.	1.1	26
64	Single-chip electron spin resonance detectors operating at 50 GHz, 92 GHz, and 146 GHz. <i>Journal of Magnetic Resonance</i> , 2017, 278, 113-121.	1.2	26
65	Fabrication of metallic patterns by microstencil lithography on polymer surfaces suitable as microelectrodes in integrated microfluidic systems. <i>Journal of Micromechanics and Microengineering</i> , 2006, 16, 1606-1613.	1.5	25
66	Biodegradable Frequencyâ€“Selective Magnesium Radioâ€“Frequency Microresonators for Transient Biomedical Implants. <i>Advanced Functional Materials</i> , 2019, 29, 1903051.	7.8	24
67	Additive micro-manufacturing of crack-free PDCs by two-photon polymerization of a single, low-shrinkage preceramic resin. <i>Additive Manufacturing</i> , 2020, 35, 101343.	1.7	24
68	Nanotechnology impact on sensors. <i>Nanotechnology</i> , 2009, 20, 430206-430206.	1.3	23
69	3D nanostructures fabricated by advanced stencil lithography. <i>Nanoscale</i> , 2016, 8, 4945-4950.	2.8	23
70	A 3D Microscaffold Cochlear Electrode Array for Steroid Elution. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900379.	3.9	23
71	Inexpensive and fast wafer-scale fabrication of nanohole arrays in thin gold films for plasmonics. <i>Nanotechnology</i> , 2010, 21, 205301.	1.3	22
72	Organic-inorganic-hybrid-polymer microlens arrays with tailored optical characteristics and multi-focal properties. <i>Optics Express</i> , 2015, 23, 25365.	1.7	22

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73	Nanostenciling for fabrication and interconnection of nanopatterns and microelectrodes. Applied Physics Letters, 2007, 90, 093113.	1.5	21
74	Where Does Energy Go in Electron Energy Loss Spectroscopy of Nanostructures?. ACS Photonics, 2017, 4, 156-164.	3.2	21
75	Dynamic stencil lithography on full wafer scale. Journal of Vacuum Science & Technology B, 2008, 26, 2054-2058.	1.3	19
76	Drop-on-demand inkjet printing of highly luminescent CdS and CdSe@ZnS nanocrystal based nanocomposites. Microelectronic Engineering, 2009, 86, 1124-1126.	1.1	19
77	Unusually Long-Lived Photocharges in Helical Organic Semiconductor Nanostructures. ACS Nano, 2018, 12, 9116-9125.	7.3	19
78	The effects of channel length and film microstructure on the performance of pentacene transistors. Organic Electronics, 2011, 12, 336-340.	1.4	18
79	Cytotoxicity evaluation of polymer-derived ceramics for pacemaker electrode applications. Journal of Biomedical Materials Research - Part A, 2015, 103, 3625-3632.	2.1	18
80	Grand Challenge in N/MEMS. Frontiers in Mechanical Engineering, 2016, 1, .	0.8	18
81	Micropositioning and microscopic observation of individual picoliter-sized containers within SU-8 microchannels. Microfluidics and Nanofluidics, 2007, 3, 189-194.	1.0	17
82	Double-gate pentacene thin-film transistor with improved control in sub-threshold region. Solid-State Electronics, 2010, 54, 1003-1009.	0.8	17
83	SiN membranes with submicrometer hole arrays patterned by wafer-scale nanosphere lithography. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2011, 29, 021012.	0.6	17
84	Inkjet Printing of High Aspect Ratio Superparamagnetic SU-8 Microstructures with Preferential Magnetic Directions. Micromachines, 2014, 5, 583-593.	1.4	17
85	Impedance sensing of DNA immobilization and hybridization by microfabricated alumina nanopore membranes. Sensors and Actuators B: Chemical, 2015, 216, 105-112.	4.0	17
86	NMR spectroscopy and perfusion of mammalian cells using surface microprobes. Lab on A Chip, 2007, 7, 381.	3.1	16
87	Nanopatterned Self-Assembled Monolayers by Using Diblock Copolymer Micelles as Nanometer-Scale Adsorption and Etch Masks. Advanced Materials, 2008, 20, 1962-1965.	11.1	16
88	Localized Ion Implantation Through Micro/Nanostencil Masks. IEEE Nanotechnology Magazine, 2011, 10, 940-946.	1.1	16
89	Conductivity of SU-8 Thin Films through Atomic Force Microscopy Nano-Patterning. Advanced Functional Materials, 2012, 22, 1482-1488.	7.8	16
90	Cell force measurements in 3D microfabricated environments based on compliant cantilevers. Lab on A Chip, 2014, 14, 286-293.	3.1	16

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91	Inkjet printed superparamagnetic polymer composite hemispheres with programmed magnetic anisotropy. <i>Nanoscale</i> , 2014, 6, 10495-10499.	2.8	16
92	Combining Micelle Self-Assembly with Nanostencil Lithography to Create Periodic/Aperiodic Micro-/Nanopatterns on Surfaces. <i>Advanced Materials</i> , 2008, 20, 3533-3538.	11.1	15
93	Conduction in rectangular quasi-one-dimensional and two-dimensional random resistor networks away from the percolation threshold. <i>Physical Review E</i> , 2009, 80, 021104.	0.8	15
94	Compliant membranes improve resolution in full-wafer micro/nanostencil lithography. <i>Nanoscale</i> , 2012, 4, 773-778.	2.8	15
95	Mechanical and tribological properties of polymer-derived Si/C/N sub-millimetre thick miniaturized components fabricated by direct casting. <i>Journal of the European Ceramic Society</i> , 2012, 32, 1759-1767.	2.8	15
96	Composite hydrogel-loaded alumina membranes for nanofluidic molecular filtration. <i>Journal of Membrane Science</i> , 2015, 477, 151-156.	4.1	15
97	Stenciled conducting bismuth nanowires. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, 169-172.	0.6	14
98	Stencil-Nanopatterned Back Reflectors for Thin-Film Amorphous Silicon n-i-p Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2013, 3, 22-26.	1.5	14
99	Large-Area Gold/Parylene Plasmonic Nanostructures Fabricated by Direct Nanocutting. <i>Advanced Optical Materials</i> , 2013, 1, 50-54.	3.6	14
100	Inkjet printed SU-8 hemispherical microcapsules and silicon chip embedding. <i>Micro and Nano Letters</i> , 2013, 8, 633-636.	0.6	14
101	CNT and PDCs: A fruitful association? Study of a polycarbosilane-MWCNT composite. <i>Journal of the European Ceramic Society</i> , 2015, 35, 2215-2224.	2.8	14
102	Sub micrometer ceramic structures fabricated by molding a polymer-derived ceramic. <i>Microelectronic Engineering</i> , 2012, 97, 272-275.	1.1	13
103	Simple and easily controllable parabolic-shaped microlenses printed on polymeric mesas. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2152.	2.7	13
104	Curved Holographic Combiner for Color Head Worn Display. <i>Journal of Display Technology</i> , 2014, 10, 444-449.	1.3	13
105	On the micrometre precise mould filling of liquid polymer derived ceramic precursor for 300- μm -thick high aspect ratio ceramic MEMS. <i>Ceramics International</i> , 2015, 41, 623-629.	2.3	13
106	In Vitro Cytocompatibility Assessment of Ti-Modified, Silicon-oxycarbide-Based, Polymer-Derived, Ceramic-Implantable Electrodes under Pacing Conditions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17244-17253.	4.0	13
107	Electrical properties of light-addressed sub- μm electrodes fabricated by use of nanostencil-technology. <i>Microelectronic Engineering</i> , 2002, 61-62, 971-980.	1.1	12
108	Fluidic microstructuring of alginate hydrogels for the single cell niche. <i>Lab on A Chip</i> , 2010, 10, 2771.	3.1	12

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109	When nothing is constant but change: Adaptive and sensorial materials and their impact on product design. <i>Journal of Intelligent Material Systems and Structures</i> , 2013, 24, 2172-2182.	1.4	12
110	Ambipolar silicon nanowire FETs with stenciled-deposited metal gate. <i>Microelectronic Engineering</i> , 2011, 88, 2732-2735.	1.1	11
111	Dynamics of capillary self-alignment for mesoscopic foil devices. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	11
112	Mode Evolution in Strongly Coupled Plasmonic Dolmens Fabricated by Templated Assembly. <i>ACS Photonics</i> , 2017, 4, 1661-1668.	3.2	11
113	High sensitivity field asymmetric ion mobility spectrometer. <i>Review of Scientific Instruments</i> , 2017, 88, 035115.	0.6	11
114	Thermal and pH Sensitive Composite Membrane for Onâ€Demand Drug Delivery by Applying an Alternating Magnetic Field. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000733.	1.9	11
115	Stretchable Conductors Fabricated by Stencil Lithography and Centrifugal Force-Assisted Patterning of Liquid Metal. <i>ACS Applied Electronic Materials</i> , 2021, 3, 5423-5432.	2.0	11
116	Two-dimensional magnetic resonance force microscopy using full-volume Fourier and Hadamard encoding. <i>Physical Review B</i> , 2008, 78, .	1.1	10
117	Organic Thin Film Transistors on Flexible Polyimide Substrates Fabricated by Full Wafer Stencil Lithography. <i>Procedia Chemistry</i> , 2009, 1, 762-765.	0.7	10
118	Fluid-mediated parallel self-assembly of polymeric micro-capsules for liquid encapsulation and release. <i>Soft Matter</i> , 2013, 9, 9931.	1.2	10
119	Automated real-time control of fluidic self-assembly of microparticles. , 2014, , .		10
120	Combination of thermal scanning probe lithography and ion etching to fabricate 3D silicon nanopatterns with extremely smooth surface. <i>Microelectronic Engineering</i> , 2018, 193, 23-27.	1.1	10
121	100 mm dynamic stencils pattern sub-micrometre structures. <i>Nanoscale</i> , 2011, 3, 2739.	2.8	9
122	Robust PECVD SiC membrane made for stencil lithography. <i>Microelectronic Engineering</i> , 2011, 88, 2790-2793.	1.1	9
123	Organic half-wave rectifier fabricated by stencil lithography on flexible substrate. <i>Microelectronic Engineering</i> , 2012, 100, 47-50.	1.1	9
124	Structural and optical properties of the Cu ₂ ZnSnSe ₄ thin films grown by nano-ink coating and selenization. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 529-535.	1.1	9
125	Rapid carbon nanotubes suspension in organic solvents using organosilicon polymers. <i>Journal of Colloid and Interface Science</i> , 2016, 470, 123-131.	5.0	9
126	Micro- and Nanostructured Devices for the Investigation of Biomolecular Interactions. <i>Chimia</i> , 2006, 60, 754-760.	0.3	8

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127	Quick and Clean: Stencil Lithography for Wafer-Scale Fabrication of Superconducting Tunnel Junctions. IEEE Transactions on Applied Superconductivity, 2009, 19, 242-244.	1.1	8
128	Stretched organic transistors maintain mobility on flexible substrates. Microelectronic Engineering, 2012, 98, 508-511.	1.1	8
129	Vertically-stacked gate-all-around polysilicon nanowire FETs with sub- $\frac{1}{4}$ μm gates patterned by nanostencil lithography. Microelectronic Engineering, 2012, 98, 355-358.	1.1	8
130	Cell shape-dependent early responses of fibroblasts to cyclic strain. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3415-3425.	1.9	8
131	Resistless Fabrication of Nanoimprint Lithography (NIL) Stamps Using Nano-Stencil Lithography. Micromachines, 2013, 4, 370-377.	1.4	8
132	Scanning thermal probe microscope method for the determination of thermal diffusivity of nanocomposite thin films. Review of Scientific Instruments, 2016, 87, 084903.	0.6	8
133	Cracks, porosity and microstructure of Ti modified polymer-derived SiOC revealed by absorption-, XRD- and XRF-contrast 2D and 3D imaging. Acta Materialia, 2020, 198, 134-144.	3.8	8
134	Multiscale 2D/3D microshaping and property tuning of polymer-derived SiCN ceramics. Journal of the European Ceramic Society, 2022, 42, 1963-1970.	2.8	8
135	Microcollimator for Micrometer-Wide Stripe Irradiation of Cells Using 20-30 keV X Rays. Radiation Research, 2009, 172, 252-259.	0.7	7
136	Oxide nanocrystal based nanocomposites for fabricating photoplastic AFM probes. Nanoscale, 2011, 3, 4632.	2.8	7
137	Patterning of parallel nanobridge structures by reverse nanostencil lithography using an edge-patterned stencil. Nanotechnology, 2007, 18, 044002.	1.3	6
138	Fabrication and testing of a poly(vinylidene fluoride) (PVDF) microvalve for gas flow control. Smart Materials and Structures, 2007, 16, 2302-2307.	1.8	6
139	UV-Imprint Resists Generated from Polymerizable Ionic Liquids and Titania Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 16743-16748.	1.5	6
140	Electrochemical performance of polymer-derived SiOC and SiTiOC ceramic electrodes for artificial cardiac pacemaker applications. Ceramics International, 2021, 47, 7593-7601.	2.3	6
141	SU-8 cantilever with integrated pyrolyzed glass-like carbon piezoresistor. Microsystems and Nanoengineering, 2022, 8, 22.	3.4	6
142	Microdrop generation and deposition of ionic liquids. Journal of Materials Research, 2014, 29, 2100-2107.	1.2	5
143	Direct imprinting of organic-inorganic hybrid materials into high aspect ratio sub-100nm structures. Microsystem Technologies, 2014, 20, 1961-1966.	1.2	5
144	1D moiré shapes by superposed layers of micro-lenses. Optics Express, 2019, 27, 37419.	1.7	5

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145	Reverse transfer of nanostencil patterns using intermediate sacrificial layer and lift-off process. Journal of Vacuum Science & Technology B, 2006, 24, 2772.	1.3	4
146	Surface Micromachining of Polyureasilazane Based Ceramic-MEMS Using SU-8 Micromolds. Advances in Science and Technology, 2006, 45, 1293.	0.2	4
147	Three-level stencil alignment fabrication of a high-k gate stack organic thin film transistor. Microelectronic Engineering, 2011, 88, 2496-2499.	1.1	4
148	Liquid-filled sealed MEMS capsules fabricated by fluidic self-assembly. , 2014, , .		4
149	Arrays of Pentacene Single Crystals by Stencil Evaporation. Crystal Growth and Design, 2016, 16, 4694-4700.	1.4	4
150	Growth Of Organic Semiconductor Thin Films with Multi-Micron Domain Size and Fabrication of Organic Transistors Using a Stencil Nanosieve. ACS Applied Materials & Interfaces, 2017, 9, 23314-23318.	4.0	4
151	Growth of Large-Area 2D MoS2 Arrays at Pre-Defined Locations Using Stencil Mask Lithography. Journal of Nanoscience and Nanotechnology, 2018, 18, 1824-1832.	0.9	4
152	Fabrication of HepG2 Cell Laden Collagen Microspheres using Inkjet Printing. Journal of the Korean Society for Precision Engineering, 2014, 31, 743-747.	0.1	4
153	Double-gate pentacene TFTs with improved control in subthreshold region. , 2009, , .		3
154	Effects of tensile stress on electrical parameters of thin film conductive wires fabricated on a flexible substrate using stencil lithography. Microelectronic Engineering, 2012, 98, 230-233.	1.1	3
155	Curved transfective holographic screens for head-mounted display. , 2013, , .		3
156	Three-dimensional polymeric microtiles for optically-tracked fluidic self-assembly. Microelectronic Engineering, 2014, 124, 1-7.	1.1	3
157	Mechanical stabilisation and design optimisation of masks for stencil lithography: Numerical approach and experimental validation. Microelectronic Engineering, 2008, 85, 2243-2249.	1.1	2
158	UV-patternable polymers with selective spectral response. Microelectronic Engineering, 2012, 98, 234-237.	1.1	2
159	Integrated Long-Range Thermal Bimorph Actuators for Parallelizable Bio-AFM Applications. IEEE Sensors Journal, 2013, 13, 2849-2856.	2.4	2
160	Exploring Nanoscale Electrical Properties of CuO-Graphene Based Hybrid Interfaced Memory Device by Conductive Atomic Force Microscopy. Journal of Nanoscience and Nanotechnology, 2016, 16, 4044-4051.	0.9	2
161	Penciling a triboelectric power source on paper. , 2016, , .		2
162	Focused Ion Beam: A Versatile Technique for the Fabrication of Nano-Devices. Praktische Metallographie/Practical Metallography, 2009, 46, 154-156.	0.1	2

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163	Level-line moir�s by superposition of cylindrical microlens gratings. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 209.	0.8	2
164	Application of Microstencil Lithography on Polymer Surfaces for Microfluidic Systems with Integrated Microelectrodes. , 2006, , .		1
165	Stencil-nanopatterned back reflectors for thin-film amorphous silicon n-i-p solar cells. , 2012, , .		1
166	Al<inf>2</inf>O<inf>3</inf>/W hetero-structured nanopore membranes: From native to tunable nanofluidic diodes. , 2013, , .		1
167	Single-cell 3D Bio-MEMS environment with engineered geometry and physiologically relevant stiffnesses. , 2014, , .		1
168	Lithographic process window optimization for mask aligner proximity lithography. Proceedings of SPIE, 2014, , .	0.8	1
169	A transparent silk-fibroin-based triboelectric microgenerator for airflow energy harvesting. , 2017, , .		1
170	Inkjet-Printing Polymer Nanocomposite for Detecting VOCs. Proceedings (mdpi), 2018, 2, .	0.2	1
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