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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.

172 papers	4,444 citations	35 h-index	59 g-index
191 ext. papers	5,095 ext. citations	6.4 avg, IF	5.71 L-index

#	Paper	IF	Citations
172	All-fiber hybrid piezoelectric-enhanced triboelectric nanogenerator for wearable gesture monitoring. <i>Nano Energy</i> , 2018 , 48, 152-160	17.1	231
171	Nanoscale topographical control of capillary assembly of nanoparticles. <i>Nature Nanotechnology</i> , 2017 , 12, 73-80	28.7	209
170	Microdrop printing of hydrogel bioinks into 3D tissue-like geometries. <i>Advanced Materials</i> , 2012 , 24, 391-6	24	197
169	All-in-one self-powered flexible microsystems based on triboelectric nanogenerators. <i>Nano Energy</i> , 2018 , 47, 410-426	17.1	185
168	Silicon Nanostructures for Bright Field Full Color Prints. <i>ACS Photonics</i> , 2017 , 4, 1913-1919	6.3	122
167	A silk-fibroin-based transparent triboelectric generator suitable for autonomous sensor network. <i>Nano Energy</i> , 2016 , 20, 37-47	17.1	96
166	Penciling a triboelectric nanogenerator on paper for autonomous power MEMS applications. <i>Nano Energy</i> , 2017 , 33, 393-401	17.1	95
165	Parallel nanodevice fabrication using a combination of shadow mask and scanning probe methods. <i>Applied Physics Letters</i> , 1999 , 75, 1314-1316	3.4	91
164	In-Plane Plasmonic Antenna Arrays with Surface Nanogaps for Giant Fluorescence Enhancement. <i>Nano Letters</i> , 2017 , 17, 1703-1710	11.5	90
163	An oligomerized 53BP1 tudor domain suffices for recognition of DNA double-strand breaks. <i>Molecular and Cellular Biology</i> , 2009 , 29, 1050-8	4.8	88
162	Fabrication and functionalization of nanochannels by electron-beam-induced silicon oxide deposition. <i>Langmuir</i> , 2006 , 22, 10711-5	4	80
161	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	2.5	77
160	Antibacterial Au nanostructured surfaces. <i>Nanoscale</i> , 2016 , 8, 2620-5	7.7	76
159	Metallic nanodot arrays by stencil lithography for plasmonic biosensing applications. <i>ACS Nano</i> , 2011 , 5, 844-53	16.7	75
158	Hybrid polymer microlens arrays with high numerical apertures fabricated using simple ink-jet printing technique. <i>Optical Materials Express</i> , 2011 , 1, 259	2.6	74
157	Printed silk-fibroin-based triboelectric nanogenerators for multi-functional wearable sensing. <i>Nano Energy</i> , 2019 , 66, 104123	17.1	65
156	Directly fabricated multi-scale microlens arrays on a hydrophobic flat surface by a simple ink-jet printing technique. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3053		65

155	Block copolymer micelles as switchable templates for nanofabrication. <i>Langmuir</i> , 2006 , 22, 3450-2	4	65
154	Resistless nanofabrication by stencil lithography: A review. <i>Microelectronic Engineering</i> , 2015 , 132, 236-254	5	62
153	Harnessing the damping properties of materials for high-speed atomic force microscopy. <i>Nature Nanotechnology</i> , 2016 , 11, 147-51	28.7	62
152	Facile fabrication of nanofluidic diode membranes using anodic aluminium oxide. <i>Nanoscale</i> , 2012 , 4, 5718-23	7.7	62
151	Nanostructured surface topographies have an effect on bactericidal activity. <i>Journal of Nanobiotechnology</i> , 2018 , 16, 20	9.4	61
150	Complex oxide nanostructures by pulsed laser deposition through nanostencils. <i>Applied Physics Letters</i> , 2005 , 86, 183107	3.4	54
149	High-resolution resistless nanopatterning on polymer and flexible substrates for plasmonic biosensing using stencil masks. <i>ACS Nano</i> , 2012 , 6, 5474-81	16.7	53
148	Cell membranes suspended across nanoaperture arrays. <i>Langmuir</i> , 2006 , 22, 22-5	4	51
147	Influence of carbon enrichment on electrical conductivity and processing of polycarbosilane derived ceramic for MEMS applications. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 3559-3570	6	47
146	CAFM investigations of filamentary conduction in Cu ₂ O ReRAM devices fabricated using stencil lithography technique. <i>Nanotechnology</i> , 2012 , 23, 495707	3.4	45
145	High throughput nanofabrication of silicon nanowire and carbon nanotube tips on AFM probes by stencil-deposited catalysts. <i>Nano Letters</i> , 2011 , 11, 1568-74	11.5	44
144	Shadow-Mask Evaporation through Monolayer-Modified Nanostencils. <i>Nano Letters</i> , 2002 , 2, 1339-1343	11.5	44
143	The transition in hydrogen sensing behavior in noncontinuous palladium films. <i>Applied Physics Letters</i> , 2010 , 97, 121911	3.4	42
142	Inkjet-printed multicolor arrays of highly luminescent nanocrystal-based nanocomposites. <i>Small</i> , 2009 , 5, 1051-7	11	40
141	Link between alginate reaction front propagation and general reaction diffusion theory. <i>Analytical Chemistry</i> , 2011 , 83, 2234-42	7.8	38
140	High-resolution 1D moiré as counterfeit security features. <i>Light: Science and Applications</i> , 2013 , 2, e86-e86	6.7	36
139	Size-dependent free solution DNA electrophoresis in structured microfluidic systems. <i>Microelectronic Engineering</i> , 2003 , 67-68, 905-912	2.5	36
138	All-photoplastic microstencil with self-alignment for multiple layer shadow-mask patterning. <i>Sensors and Actuators A: Physical</i> , 2003 , 107, 132-136	3.9	35

137	Predicting mask distortion, clogging and pattern transfer for stencil lithography. <i>Microelectronic Engineering</i> , 2007 , 84, 42-53	2.5	34
136	Mode Coupling in Plasmonic Heterodimers Probed with Electron Energy Loss Spectroscopy. <i>ACS Nano</i> , 2017 , 11, 3485-3495	16.7	32
135	Planar Optical Nanoantennas Resolve Cholesterol-Dependent Nanoscale Heterogeneities in the Plasma Membrane of Living Cells. <i>Nano Letters</i> , 2017 , 17, 6295-6302	11.5	32
134	Large-Scale Arrays of Bowtie Nanoaperture Antennas for Nanoscale Dynamics in Living Cell Membranes. <i>Nano Letters</i> , 2015 , 15, 4176-82	11.5	32
133	Field effect modulated nanofluidic diode membrane based on Al ₂ O ₃ /W heterogeneous nanopore arrays. <i>Applied Physics Letters</i> , 2013 , 102, 213108	3.4	30
132	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	15.6	30
131	Bi-directional ACET micropump for on-chip biological applications. <i>Electrophoresis</i> , 2016 , 37, 719-26	3.6	28
130	Transient Nanoscopic Phase Separation in Biological Lipid Membranes Resolved by Planar Plasmonic Antennas. <i>ACS Nano</i> , 2017 , 11, 7241-7250	16.7	28
129	Ultra-low power hydrogen sensing based on a palladium-coated nanomechanical beam resonator. <i>Nanoscale</i> , 2012 , 4, 5059-64	7.7	28
128	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	3.9	28
127	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	6.4	28
126	Thermal scanning probe lithography-a review. <i>Microsystems and Nanoengineering</i> , 2020 , 6, 21	7.7	27
125	Highly ordered palladium nanodot patterns for full concentration range hydrogen sensing. <i>Nanoscale</i> , 2012 , 4, 1964-7	7.7	27
124	Carbon nanotubes/BUS composite for flexible conductive inkjet printable applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14030		27
123	Nano-stenciled RGD-gold patterns that inhibit focal contact maturation induce lamellipodia formation in fibroblasts. <i>PLoS ONE</i> , 2011 , 6, e25459	3.7	26
122	Nanomechanical mass sensor for spatially resolved ultrasensitive monitoring of deposition rates in stencil lithography. <i>Small</i> , 2009 , 5, 176-80	11	26
121	Direct observation of nuclear spin diffusion in real space. <i>Physical Review Letters</i> , 2007 , 99, 227603	7.4	26
120	Corrugated membranes for improved pattern definition with micro/nanostencil lithography. <i>Sensors and Actuators A: Physical</i> , 2006 , 130-131, 568-574	3.9	26

119	Reliable and Improved Nanoscale Stencil Lithography by Membrane Stabilization, Blurring, and Clogging Corrections. <i>IEEE Nanotechnology Magazine</i> , 2011 , 10, 352-357	2.6	25
118	Recent progress in silk fibroin-based flexible electronics. <i>Microsystems and Nanoengineering</i> , 2021 , 7, 35	7.7	25
117	Drop-On-Demand Inkjet Printing of SU-8 Polymer. <i>Micro and Nanosystems</i> , 2009 , 1, 63-67	0.6	24
116	Reusability of nanostencils for the patterning of Aluminum nanostructures by selective wet etching. <i>Microelectronic Engineering</i> , 2008 , 85, 1237-1240	2.5	24
115	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	2	23
114	Nanopatterning of a Stimuli-Responsive Fluorescent Supramolecular Polymer by Thermal Scanning Probe Lithography. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41454-41461	9.5	21
113	Inexpensive and fast wafer-scale fabrication of nanohole arrays in thin gold films for plasmonics. <i>Nanotechnology</i> , 2010 , 21, 205301	3.4	21
112	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	3.9	21
111	Nanostenciling for fabrication and interconnection of nanopatterns and microelectrodes. <i>Applied Physics Letters</i> , 2007 , 90, 093113	3.4	21
110	Organic-inorganic-hybrid-polymer microlens arrays with tailored optical characteristics and multi-focal properties. <i>Optics Express</i> , 2015 , 23, 25365-76	3.3	20
109	3D nanostructures fabricated by advanced stencil lithography. <i>Nanoscale</i> , 2016 , 8, 4945-50	7.7	19
108	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	3.8	18
107	Drop-on-demand inkjet printing of highly luminescent CdS and CdSe@ZnS nanocrystal based nanocomposites. <i>Microelectronic Engineering</i> , 2009 , 86, 1124-1126	2.5	18
106	Single-chip electron spin resonance detectors operating at 50GHz, 92GHz, and 146GHz. <i>Journal of Magnetic Resonance</i> , 2017 , 278, 113-121	3	17
105	Cytotoxicity evaluation of polymer-derived ceramics for pacemaker electrode applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 3625-32	5.4	17
104	Precision Surface Microtopography Regulates Cell Fate via Changes to Actomyosin Contractility and Nuclear Architecture. <i>Advanced Science</i> , 2021 , 8, 2003186	13.6	17
103	Unusually Long-Lived Photocharges in Helical Organic Semiconductor Nanostructures. <i>ACS Nano</i> , 2018 , 12, 9116-9125	16.7	16
102	SiN membranes with submicrometer hole arrays patterned by wafer-scale nanosphere lithography). <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2011 , 29, 021012	1.3	16

101	Double-gate pentacene thin-film transistor with improved control in sub-threshold region. <i>Solid-State Electronics</i> , 2010 , 54, 1003-1009	1.7	16
100	NMR spectroscopy and perfusion of mammalian cells using surface microprobes. <i>Lab on A Chip</i> , 2007 , 7, 381-3	7.2	16
99	Micropositioning and microscopic observation of individual picoliter-sized containers within SU-8 microchannels. <i>Microfluidics and Nanofluidics</i> , 2007 , 3, 189-194	2.8	16
98	Where Does Energy Go in Electron Energy Loss Spectroscopy of Nanostructures?. <i>ACS Photonics</i> , 2017 , 4, 156-164	6.3	15
97	Cell force measurements in 3D microfabricated environments based on compliant cantilevers. <i>Lab on A Chip</i> , 2014 , 14, 286-93	7.2	15
96	The effects of channel length and film microstructure on the performance of pentacene transistors. <i>Organic Electronics</i> , 2011 , 12, 336-340	3.5	15
95	Dynamic stencil lithography on full wafer scale. <i>Journal of Vacuum Science & Technology B</i> , 2008 , 26, 2054-2058	15	
94	Impedance sensing of DNA immobilization and hybridization by microfabricated alumina nanopore membranes. <i>Sensors and Actuators B: Chemical</i> , 2015 , 216, 105-112	8.5	14
93	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	6	14
92	Conductivity of SU-8 Thin Films through Atomic Force Microscopy Nano-Patterning. <i>Advanced Functional Materials</i> , 2012 , 22, 1482-1488	15.6	14
91	Stenciled conducting bismuth nanowires). <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010 , 28, 169-172	1.3	14
90	Localized Ion Implantation Through Micro/Nanostencil Masks. <i>IEEE Nanotechnology Magazine</i> , 2011 , 10, 940-946	2.6	14
89	Nanopatterned Self-Assembled Monolayers by Using Diblock Copolymer Micelles as Nanometer-Scale Adsorption and Etch Masks. <i>Advanced Materials</i> , 2008 , 20, 1962-1965	24	14
88	Combining Micelle Self-Assembly with Nanostencil Lithography to Create Periodic/Aperiodic Micro-/Nanopatterns on Surfaces. <i>Advanced Materials</i> , 2008 , 20, 3533-3538	24	14
87	CNT and PDCs: A fruitful association? Study of a polycarbosilane/MWCNT composite. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 2215-2224	6	13
86	Inkjet printed superparamagnetic polymer composite hemispheres with programmed magnetic anisotropy. <i>Nanoscale</i> , 2014 , 6, 10495-9	7.7	13
85	Large-Area Gold/Parylene Plasmonic Nanostructures Fabricated by Direct Nanocutting. <i>Advanced Optical Materials</i> , 2013 , 1, 50-54	8.1	13
84	Simple and easily controllable parabolic-shaped microlenses printed on polymeric mesas. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 2152	7.1	13

83	Inkjet Printing of High Aspect Ratio Superparamagnetic SU-8 Microstructures with Preferential Magnetic Directions. <i>Micromachines</i> , 2014 , 5, 583-593	3.3	13
82	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	2.4	13
81	Thermomechanical Nanostraining of Two-Dimensional Materials. <i>Nano Letters</i> , 2020 , 20, 8250-8257	11.5	13
80	Grand Challenge in N/MEMS. <i>Frontiers in Mechanical Engineering</i> , 2016 , 1,	2.6	13
79	On the micrometre precise mould filling of liquid polymer derived ceramic precursor for 300- μ m-thick high aspect ratio ceramic MEMS. <i>Ceramics International</i> , 2015 , 41, 623-629	5.1	12
78	A 3D Microscaffold Cochlear Electrode Array for Steroid Elution. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900379	10.1	12
77	Composite hydrogel-loaded alumina membranes for nanofluidic molecular filtration. <i>Journal of Membrane Science</i> , 2015 , 477, 151-156	9.6	12
76	Curved Holographic Combiner for Color Head Worn Display. <i>Journal of Display Technology</i> , 2014 , 10, 444-449		12
75	Compliant membranes improve resolution in full-wafer micro/nanostencil lithography. <i>Nanoscale</i> , 2012 , 4, 773-8	7.7	12
74	Inkjet printed SU-8 hemispherical microcapsules and silicon chip embedding. <i>Micro and Nano Letters</i> , 2013 , 8, 633-636	0.9	12
73	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	6.1	11
72	Thermomechanical Nanocutting of 2D Materials. <i>Advanced Materials</i> , 2020 , 32, e2001232	24	11
71	Sub micrometer ceramic structures fabricated by molding a polymer-derived ceramic. <i>Microelectronic Engineering</i> , 2012 , 97, 272-275	2.5	11
70	Fluidic microstructuring of alginate hydrogels for the single cell niche. <i>Lab on A Chip</i> , 2010 , 10, 2771-7	7.2	11
69	Ambipolar silicon nanowire FETs with stenciled-deposited metal gate. <i>Microelectronic Engineering</i> , 2011 , 88, 2732-2735	2.5	11
68	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	9.5	10
67	Fluid-mediated parallel self-assembly of polymeric micro-capsules for liquid encapsulation and release. <i>Soft Matter</i> , 2013 , 9, 9931	3.6	10
66	Dynamics of capillary self-alignment for mesoscopic foil devices. <i>Applied Physics Letters</i> , 2013 , 102, 144101	9.1	10

65	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	2.3	10
64	Electrical properties of light-addressed sub- μm electrodes fabricated by use of nanostencil-technology. <i>Microelectronic Engineering</i> , 2002 , 61-62, 971-980	2.5	10
63	Mode Evolution in Strongly Coupled Plasmonic Dolmens Fabricated by Templated Assembly. <i>ACS Photonics</i> , 2017 , 4, 1661-1668	6.3	9
62	Biodegradable Frequency-Selective Magnesium Radio-Frequency Microresonators for Transient Biomedical Implants. <i>Advanced Functional Materials</i> , 2019 , 29, 1903051	15.6	9
61	. <i>IEEE Journal of Photovoltaics</i> , 2013 , 3, 22-26	3.7	9
60	Structural and optical properties of the $\text{Cu}_2\text{ZnSnSe}_4$ thin films grown by nano-ink coating and selenization. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 529-535	2.1	9
59	Organic Thin Film Transistors on Flexible Polyimide Substrates Fabricated by Full Wafer Stencil Lithography. <i>Procedia Chemistry</i> , 2009 , 1, 762-765		9
58	Two-dimensional magnetic resonance force microscopy using full-volume Fourier and Hadamard encoding. <i>Physical Review B</i> , 2008 , 78,	3.3	9
57	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	2.5	8
56	Organic half-wave rectifier fabricated by stencil lithography on flexible substrate. <i>Microelectronic Engineering</i> , 2012 , 100, 47-50	2.5	8
55	Resistless Fabrication of Nanoimprint Lithography (NIL) Stamps Using Nano-Stencil Lithography. <i>Micromachines</i> , 2013 , 4, 370-377	3.3	8
54	Quick and Clean: Stencil Lithography for Wafer-Scale Fabrication of Superconducting Tunnel Junctions. <i>IEEE Transactions on Applied Superconductivity</i> , 2009 , 19, 242-244	1.8	8
53	Rapid carbon nanotubes suspension in organic solvents using organosilicon polymers. <i>Journal of Colloid and Interface Science</i> , 2016 , 470, 123-131	9.3	8
52	High sensitivity field asymmetric ion mobility spectrometer. <i>Review of Scientific Instruments</i> , 2017 , 88, 035115	1.7	7
51	Cell shape-dependent early responses of fibroblasts to cyclic strain. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 3415-3425	4.9	7
50	Stretched organic transistors maintain mobility on flexible substrates. <i>Microelectronic Engineering</i> , 2012 , 98, 508-511	2.5	7
49	100 nm dynamic stencils pattern sub-micrometre structures. <i>Nanoscale</i> , 2011 , 3, 2739-42	7.7	7
48	Oxide nanocrystal based nanocomposites for fabricating photoplastic AFM probes. <i>Nanoscale</i> , 2011 , 3, 4632-9	7.7	7

47	Robust PECVD SiC membrane made for stencil lithography. <i>Microelectronic Engineering</i> , 2011 , 88, 2790-2793	2.9	7
46	Microcollimator for micrometer-wide stripe irradiation of cells using 20-30 keV X rays. <i>Radiation Research</i> , 2009 , 172, 252-9	3.1	7
45	Micro- and Nanostructured Devices for the Investigation of Biomolecular Interactions. <i>Chimia</i> , 2006 , 60, 754-760	1.3	7
44	Automated real-time control of fluidic self-assembly of microparticles 2014 ,		6
43	Vertically-stacked gate-all-around polysilicon nanowire FETs with sub- μm gates patterned by nanostencil lithography. <i>Microelectronic Engineering</i> , 2012 , 98, 355-358	2.5	6
42	Scanning thermal probe microscope method for the determination of thermal diffusivity of nanocomposite thin films. <i>Review of Scientific Instruments</i> , 2016 , 87, 084903	1.7	6
41	UV-Imprint Resists Generated from Polymerizable Ionic Liquids and Titania Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 16743-16748	3.8	5
40	Microdrop generation and deposition of ionic liquids. <i>Journal of Materials Research</i> , 2014 , 29, 2100-2107	2.5	5
39	Patterning of parallel nanobridge structures by reverse nanostencil lithography using an edge-patterned stencil. <i>Nanotechnology</i> , 2007 , 18, 044002	3.4	5
38	Stretchable Conductors Fabricated by Stencil Lithography and Centrifugal Force-Assisted Patterning of Liquid Metal.. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 5423-5432	4	5
37	Growth of Large-Area 2D MoS ₂ Arrays at Pre-Defined Locations Using Stencil Mask Lithography. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 1824-1832	1.3	4
36	Liquid-filled sealed MEMS capsules fabricated by fluidic self-assembly 2014 ,		4
35	Growth Of Organic Semiconductor Thin Films with Multi-Micron Domain Size and Fabrication of Organic Transistors Using a Stencil Nanosieve. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23314-23318	9.5	4
34	Direct imprinting of organic/inorganic hybrid materials into high aspect ratio sub-100 nm structures. <i>Microsystem Technologies</i> , 2014 , 20, 1961-1966	1.7	4
33	Three-level stencil alignment fabrication of a high-k gate stack organic thin film transistor. <i>Microelectronic Engineering</i> , 2011 , 88, 2496-2499	2.5	4
32	Surface Micromachining of Polyureasilazane Based Ceramic-MEMS Using SU-8 Micromolds. <i>Advances in Science and Technology</i> , 2006 , 45, 1293-1298	0.1	4
31	Fabrication and testing of a poly(vinylidene fluoride) (PVDF) microvalve for gas flow control. <i>Smart Materials and Structures</i> , 2007 , 16, 2302-2307	3.4	4
30	Fabrication of HepG2 Cell Laden Collagen Microspheres using Inkjet Printing. <i>Journal of the Korean Society for Precision Engineering</i> , 2014 , 31, 743-747	0.3	4

29	Thermal and pH Sensitive Composite Membrane for On-Demand Drug Delivery by Applying an Alternating Magnetic Field. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000733	4.6	4
28	Arrays of Pentacene Single Crystals by Stencil Evaporation. <i>Crystal Growth and Design</i> , 2016 , 16, 4694-4700	3.9	3
27	Curved transfective holographic screens for head-mounted display 2013 ,		3
26	Three-dimensional polymeric microtiles for optically-tracked fluidic self-assembly. <i>Microelectronic Engineering</i> , 2014 , 124, 1-7	2.5	3
25	Double-gate pentacene TFTs with improved control in subthreshold region 2009 ,		3
24	Reverse transfer of nanostencil patterns using intermediate sacrificial layer and lift-off process. <i>Journal of Vacuum Science & Technology B</i> , 2006 , 24, 2772		3
23	Cracks, porosity and microstructure of Ti modified polymer-derived SiOC revealed by absorption-, XRD- and XRF-contrast 2D and 3D imaging. <i>Acta Materialia</i> , 2020 , 198, 134-144	8.4	3
22	Nanoelectromechanical Systems (NEMS). <i>Advanced Micro & Nanosystems</i> , 203-231		3
21	Exploring Nanoscale Electrical Properties of CuO-Graphene Based Hybrid Interfaced Memory Device by Conductive Atomic Force Microscopy. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 4044-51	1.3	2
20	Penciling a triboelectric power source on paper 2016 ,		2
19	Integrated Long-Range Thermal Bimorph Actuators for Parallelizable Bio-AFM Applications. <i>IEEE Sensors Journal</i> , 2013 , 13, 2849-2856	4	2
18	Effects of tensile stress on electrical parameters of thin film conductive wires fabricated on a flexible substrate using stencil lithography. <i>Microelectronic Engineering</i> , 2012 , 98, 230-233	2.5	2
17	Mechanical stabilisation and design optimisation of masks for stencil lithography: Numerical approach and experimental validation. <i>Microelectronic Engineering</i> , 2008 , 85, 2243-2249	2.5	2
16	Focused Ion Beam: A Versatile Technique for the Fabrication of Nano-Devices. <i>Praktische Metallographie/Practical Metallography</i> , 2009 , 46, 154-156	0.3	2
15	1D moiré shapes by superposed layers of micro-lenses. <i>Optics Express</i> , 2019 , 27, 37419-37434	3.3	2
14	Electrochemical performance of polymer-derived SiOC and SiTiOC ceramic electrodes for artificial cardiac pacemaker applications. <i>Ceramics International</i> , 2021 , 47, 7593-7601	5.1	2
13	Single-cell 3D Bio-MEMS environment with engineered geometry and physiologically relevant stiffnesses 2014 ,		1
12	Stencil-nanopatterned back reflectors for thin-film amorphous silicon n-i-p solar cells 2012 ,		1

11	Level-line moiré by superposition of cylindrical microlens gratings. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020 , 37, 209-218	1.8	1
10	Inkjet-Printing Polymer Nanocomposite for Detecting VOCs. <i>Proceedings (mdpi)</i> , 2018 , 2, 882	0.3	1
9	UV-patternable polymers with selective spectral response. <i>Microelectronic Engineering</i> , 2012 , 98, 234-237.	1.5	0
8	Multiscale 2D/3D microshaping and property tuning of polymer-derived SiCN ceramics. <i>Journal of the European Ceramic Society</i> , 2022 , 42, 1963-1970	6	0
7	SU-8 cantilever with integrated pyrolyzed glass-like carbon piezoresistor.. <i>Microsystems and Nanoengineering</i> , 2022 , 8, 22	7.7	0
6	Shape Memory Micro- and Nanowire Libraries for the High-Throughput Investigation of Scaling Effects. <i>ACS Combinatorial Science</i> , 2017 , 19, 574-584	3.9	
5	Localized Silicon Nanocrystals Fabricated by Stencil Masked Low Energy Ion Implantation: Effect of the Stencil Aperture Size on the Implanted Dose. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1160, 1		
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