JÃ¼rgen Brugger

List of Publications by Year
in descending order

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		81743	95083
186	5,726	39	68
papers	citations	h-index	g-index

191	191	191	8181
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	SU-8 cantilever with integrated pyrolyzed glass-like carbon piezoresistor. Microsystems and Nanoengineering, 2022, 8, 22.	3.4	6
3	Precise Capillaryâ€Assisted Nanoparticle Assembly in Reusable Templates. Particle and Particle Systems Characterization, 2022, 39, .	1.2	1
4	Electrochemical performance of polymer-derived SiOC and SiTiOC ceramic electrodes for artificial cardiac pacemaker applications. Ceramics International, 2021, 47, 7593-7601.	2.3	6
5	Precision Surface Microtopography Regulates Cell Fate via Changes to Actomyosin Contractility and Nuclear Architecture. Advanced Science, 2021, 8, 2003186.	5.6	41
6	Recent progress in silk fibroin-based flexible electronics. Microsystems and Nanoengineering, 2021, 7, 35.	3.4	109
7	Stretchable Conductors Fabricated by Stencil Lithography and Centrifugal Force-Assisted Patterning of Liquid Metal. ACS Applied Electronic Materials, 2021, 3, 5423-5432.	2.0	11
8	Thermomechanical Nanostraining of Two-Dimensional Materials. Nano Letters, 2020, 20, 8250-8257.	4.5	34
9	Thermal and pH Sensitive Composite Membrane for Onâ€Đemand Drug Delivery by Applying an Alternating Magnetic Field. Advanced Materials Interfaces, 2020, 7, 2000733.	1.9	11
10	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
11	Sampling Optical Modes and Electronic States with Fast, Monochromated EELS. Microscopy and Microanalysis, 2020, 26, 1754-1755.	0.2	0
12	Additive micro-manufacturing of crack-free PDCs by two-photon polymerization of a single, low-shrinkage preceramic resin. Additive Manufacturing, 2020, 35, 101343.	1.7	24
13	Thermomechanical Nanocutting of 2D Materials. Advanced Materials, 2020, 32, e2001232.	11.1	30
14	In Vitro Cytocompatibility Assessment of Ti-Modified, Silicon-oxycarbide-Based, Polymer-Derived, Ceramic-Implantable Electrodes under Pacing Conditions. ACS Applied Materials & Interfaces, 2020, 12, 17244-17253.	4.0	13
15	Simply Structured Wearable Triboelectric Nanogenerator Based on a Hybrid Composition of Carbon Nanotubes and Polymer Layer. International Journal of Precision Engineering and Manufacturing - Green Technology, 2020, 7, 683-698.	2.7	28
16	Thermal scanning probe lithographyâ€”a review. Microsystems and Nanoengineering, 2020, 6, 21.	3.4	70
17	Level-line moirÃ©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
18	Biodegradable Frequencyâ€Selective Magnesium Radioâ€Frequency Microresonators for Transient Biomedical Implants. Advanced Functional Materials, 2019, 29, 1903051.	7.8	24

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19	Printed silk-fibroin-based triboelectric nanogenerators for multi-functional wearable sensing. Nano Energy, 2019, 66, 104123.	8.2	119
20	A 3D Microscaffold Cochlear Electrode Array for Steroid Elution. Advanced Healthcare Materials, 2019, 8, e1900379.	3.9	23
21	1D moirÃ© shapes by superposed layers of micro-lenses. Optics Express, 2019, 27, 37419.	1.7	5
22	Combination of thermal scanning probe lithography and ion etching to fabricate 3D silicon nanopatterns with extremely smooth surface. Microelectronic Engineering, 2018, 193, 23-27.	1.1	10
23	All-in-one self-powered flexible microsystems based on triboelectric nanogenerators. Nano Energy, 2018, 47, 410-426.	8.2	249
24	Nanostructured surface topographies have an effect on bactericidal activity. Journal of Nanobiotechnology, 2018, 16, 20.	4.2	91
25	All-fiber hybrid piezoelectric-enhanced triboelectric nanogenerator for wearable gesture monitoring. Nano Energy, 2018, 48, 152-160.	8.2	343
26	Optical Antenna-Based Fluorescence Correlation Spectroscopy to Probe the Nanoscale Dynamics of Biological Membranes. Journal of Physical Chemistry Letters, 2018, 9, 110-119.	2.1	41
27	Inkjet-Printing Polymer Nanocomposite for Detecting VOCs. Proceedings (mdpi), 2018, 2, .	0.2	1
28	Unusually Long-Lived Photocharges in Helical Organic Semiconductor Nanostructures. ACS Nano, 2018, 12, 9116-9125.	7.3	19
29	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
30	Penciling a triboelectric nanogenerator on paper for autonomous power MEMS applications. Nano Energy, 2017, 33, 393-401.	8.2	125
31	In-Plane Plasmonic Antenna Arrays with Surface Nanogaps for Giant Fluorescence Enhancement. Nano Letters, 2017, 17, 1703-1710.	4.5	114
32	Mode Evolution in Strongly Coupled Plasmonic Dolmens Fabricated by Templated Assembly. ACS Photonics, 2017, 4, 1661-1668.	3.2	11
33	Single-chip electron spin resonance detectors operating at 50 GHz, 92 GHz, and 146 GHz. Journal of Magnetic Resonance, 2017, 278, 113-121.	1.2	26
34	High sensitivity field asymmetric ion mobility spectrometer. Review of Scientific Instruments, 2017, 88, 035115.	0.6	11
35	Mode Coupling in Plasmonic Heterodimers Probed with Electron Energy Loss Spectroscopy. ACS Nano, 2017, 11, 3485-3495.	7.3	42
36	Where Does Energy Go in Electron Energy Loss Spectroscopy of Nanostructures?. ACS Photonics, 2017, 4, 156-164.	3.2	21

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37	Nanopatterning of a Stimuli-Responsive Fluorescent Supramolecular Polymer by Thermal Scanning Probe Lithography. ACS Applied Materials & Interfaces, 2017, 9, 41454-41461.	4.0	28
38	Planar Optical Nanoantennas Resolve Cholesterol-Dependent Nanoscale Heterogeneities in the Plasma Membrane of Living Cells. Nano Letters, 2017, 17, 6295-6302.	4.5	43
39	A transparent silk-fibroin-based triboelectric microgenerator for airflow energy harvesting. , 2017, , .		1
40	Transient Nanoscopic Phase Separation in Biological Lipid Membranes Resolved by Planar Plasmonic Antennas. ACS Nano, 2017, 11, 7241-7250.	7.3	39
41	Shape Memory Micro- and Nanowire Libraries for the High-Throughput Investigation of Scaling Effects. ACS Combinatorial Science, 2017, 19, 574-584.	3.8	0
42	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
43	Silicon Nanostructures for Bright Field Full Color Prints. ACS Photonics, 2017, 4, 1913-1919.	3.2	156
44	Nanoscale topographical control of capillary assembly of nanoparticles. Nature Nanotechnology, 2017, 12, 73-80.	15.6	266
45	Grand Challenge in N/MEMS. Frontiers in Mechanical Engineering, 2016, 1, .	0.8	18
46	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
47	Rapid carbon nanotubes suspension in organic solvents using organosilicon polymers. Journal of Colloid and Interface Science, 2016, 470, 123-131.	5.0	9
48	Arrays of Pentacene Single Crystals by Stencil Evaporation. Crystal Growth and Design, 2016, 16, 4694-4700.	1.4	4
49	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
50	Biâ€directional ACET micropump for onâ€chip biological applications. Electrophoresis, 2016, 37, 719-726.	1.3	34
51	A silk-fibroin-based transparent triboelectric generator suitable for autonomous sensor network. Nano Energy, 2016, 20, 37-47.	8.2	136
52	Antibacterial Au nanostructured surfaces. Nanoscale, 2016, 8, 2620-2625.	2.8	101
53	3D nanostructures fabricated by advanced stencil lithography. Nanoscale, 2016, 8, 4945-4950.	2.8	23
54	Penciling a triboelectric power source on paper. , 2016, , .		2

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55	Harnessing the damping properties of materials for high-speed atomic force microscopy. Nature Nanotechnology, 2016, 11, 147-151.	15.6	81
56	Fibered reflective micro objectives for miniaturized scanning confocal fluorescence microscopy. , 2015, , .		0
57	Large-Scale Arrays of Bowtie Nanoaperture Antennas for Nanoscale Dynamics in Living Cell Membranes. Nano Letters, 2015, 15, 4176-4182.	4.5	39
58	Composite hydrogel-loaded alumina membranes for nanofluidic molecular filtration. Journal of Membrane Science, 2015, 477, 151-156.	4.1	15
59	CNT and PDCs: A fruitful association? Study of a polycarbosilaneâ€“MWCNT composite. Journal of the European Ceramic Society, 2015, 35, 2215-2224.	2.8	14
60	Impedance sensing of DNA immobilization and hybridization by microfabricated alumina nanopore membranes. Sensors and Actuators B: Chemical, 2015, 216, 105-112.	4.0	17
61	Cytotoxicity evaluation of polymerâ€derived ceramics for pacemaker electrode applications. Journal of Biomedical Materials Research - Part A, 2015, 103, 3625-3632.	2.1	18
62	Organic-inorganic-hybrid-polymer microlens arrays with tailored optical characteristics and multi-focal properties. Optics Express, 2015, 23, 25365.	1.7	22
63	On the micrometre precise mould filling of liquid polymer derived ceramic precursor for 300-Âµm-thick high aspect ratio ceramic MEMS. Ceramics International, 2015, 41, 623-629.	2.3	13
64	Resistless nanofabrication by stencil lithography: A review. Microelectronic Engineering, 2015, 132, 236-254.	1.1	88
65	Inkjet Printing of High Aspect Ratio Superparamagnetic SU-8 Microstructures with Preferential Magnetic Directions. Micromachines, 2014, 5, 583-593.	1.4	17
66	Automated real-time control of fluidic self-assembly of microparticles. , 2014, , .		10
67	Curved Holographic Combiner for Color Head Worn Display. Journal of Display Technology, 2014, 10, 444-449.	1.3	13
68	Microdrop generation and deposition of ionic liquids. Journal of Materials Research, 2014, 29, 2100-2107.	1.2	5
69	Three-dimensional polymeric microtiles for optically-tracked fluidic self-assembly. Microelectronic Engineering, 2014, 124, 1-7.	1.1	3
70	Direct imprinting of organicâ€“inorganic hybrid materials into high aspect ratio sub-100Ânm structures. Microsystem Technologies, 2014, 20, 1961-1966.	1.2	5
71	Cell force measurements in 3D microfabricated environments based on compliant cantilevers. Lab on A Chip, 2014, 14, 286-293.	3.1	16
72	Single-cell 3D Bio-MEMS environment with engineered geometry and physiologically relevant stiffnesses. , 2014, , .		1

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73	Inkjet printed superparamagnetic polymer composite hemispheres with programmed magnetic anisotropy. Nanoscale, 2014, 6, 10495-10499.	2.8	16
74	Liquid-filled sealed MEMS capsules fabricated by fluidic self-assembly. , 2014, , .		4
75	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
76	UV-Imprint Resists Generated from Polymerizable Ionic Liquids and Titania Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 16743-16748.	1.5	6
77	Lithographic process window optimization for mask aligner proximity lithography. Proceedings of SPIE, 2014, , .	0.8	1
78	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
79	Curved transflective holographic screens for head-mounted display. , 2013, , .		3
80	Fluid-mediated parallel self-assembly of polymeric micro-capsules for liquid encapsulation and release. Soft Matter, 2013, 9, 9931.	1.2	10
81	Stencil-Nanopatterned Back Reflectors for Thin-Film Amorphous Silicon n-i-p Solar Cells. IEEE Journal of Photovoltaics, 2013, 3, 22-26.	1.5	14
82	Cell shape-dependent early responses of fibroblasts to cyclic strain. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3415-3425.	1.9	8
83	Largeâ€Area Gold/Parylene Plasmonic Nanostructures Fabricated by Direct Nanocutting. Advanced Optical Materials, 2013, 1, 50-54.	3.6	14
84	High aspect ratio etching of nanopores in PECVD SiC through AAO mask. , 2013, , .		0
85	Integrated Long-Range Thermal Bimorph Actuators for Parallelizable Bio-AFM Applications. IEEE Sensors Journal, 2013, 13, 2849-2856.	2.4	2
86	Al<inf>2</inf>O<inf>3</inf>/W hetero-structured nanopore membranes: From native to tunable nanofluidic diodes. , 2013, , .		1
87	Structural and optical properties of the Cu2ZnSnSe4 thin films grown by nano-ink coating and selenization. Journal of Materials Science: Materials in Electronics, 2013, 24, 529-535.	1.1	9
88	Simple and easily controllable parabolic-shaped microlenses printed on polymeric mesas. Journal of Materials Chemistry C, 2013, 1, 2152.	2.7	13
89	Dynamics of capillary self-alignment for mesoscopic foil devices. Applied Physics Letters, 2013, 102, .	1.5	11
90	Field effect modulated nanofluidic diode membrane based on Al2O3/W heterogeneous nanopore arrays. Applied Physics Letters, 2013, 102, 213108.	1.5	37

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91	When nothing is constant but change: Adaptive and sensorial materials and their impact on product design. Journal of Intelligent Material Systems and Structures, 2013, 24, 2172-2182.	1.4	12
92	High-resolution 1D moirÃ©s as counterfeit security features. Light: Science and Applications, 2013, 2, e86-e86.	7.7	45
93	Inkjet printed SUâ€8 hemispherical microcapsules and silicon chip embedding. Micro and Nano Letters, 2013, 8, 633-636.	0.6	14
94	Guest Editorialâ€"Special Issue on Selected Papers From the 11th IEEE Sensors Conference 2012. IEEE Sensors Journal, 2013, 13, 2809-2809.	2.4	0
95	Resistless Fabrication of Nanoimprint Lithography (NIL) Stamps Using Nano-Stencil Lithography. Micromachines, 2013, 4, 370-377.	1.4	8
96	Facile fabrication of nanofluidic diode membranes using anodic aluminium oxide. Nanoscale, 2012, 4, 5718.	2.8	70
97	Streched organic transistors maintain mobility on flexible substrates. Microelectronic Engineering, 2012, 98, 508-511.	1.1	8
98	Sub micrometer ceramic structures fabricated by molding a polymer-derived ceramic. Microelectronic Engineering, 2012, 97, 272-275.	1.1	13
99	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
100	Vertically-stacked gate-all-around polysilicon nanowire FETs with sub-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si21.gif" overflow="scroll"><mml:mrow><mml:mi>Î¼</mml:mi></mml:mrow></mml:math>m gates patterned by nanostencil lithography. Microelectronic Engineering, 2012, 98, 355-358.	1.1	8
101	Compliant membranes improve resolution in full-wafer micro/nanostencil lithography. Nanoscale, 2012, 4, 773-778.	2.8	15
102	Ultra-low power hydrogen sensing based on a palladium-coated nanomechanical beam resonator. Nanoscale, 2012, 4, 5059.	2.8	40
103	Highly ordered palladium nanodot patterns for full concentration range hydrogen sensing. Nanoscale, 2012, 4, 1964.	2.8	35
104	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
105	Stencil-nanopatterned back reflectors for thin-film amorphous silicon n-i-p solar cells. , 2012, , .		1
106	High-Resolution Resistless Nanopatterning on Polymer and Flexible Substrates for Plasmonic Biosensing Using Stencil Masks. ACS Nano, 2012, 6, 5474-5481.	7.3	57
107	Organic half-wave rectifier fabricated by stencil lithography on flexible substrate. Microelectronic Engineering, 2012, 100, 47-50.	1.1	9
108	UV-patternable polymers with selective spectral response. Microelectronic Engineering, 2012, 98, 234-237.	1.1	2

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109	CAFM investigations of filamentary conduction in Cu₂O ReRAM devices fabricated using stencil lithography technique. Nanotechnology, 2012, 23, 495707.	1.3	49
110	Conductivity of SUâ€8 Thin Films through Atomic Force Microscopy Nanoâ€Patterning. Advanced Functional Materials, 2012, 22, 1482-1488.	7.8	16
111	Carbon nanotubesâ€“SU8 composite for flexible conductive inkjet printable applications. Journal of Materials Chemistry, 2012, 22, 14030.	6.7	29
112	Mechanical and tribological properties of polymer-derived Si/C/N sub-millimetre thick miniaturized components fabricated by direct casting. Journal of the European Ceramic Society, 2012, 32, 1759-1767.	2.8	15
113	Microdrop Printing of Hydrogel Bioinks into 3D Tissueâ€Like Geometries. Advanced Materials, 2012, 24, 391-396.	11.1	231
114	100 mm dynamic stencils pattern sub-micrometre structures. Nanoscale, 2011, 3, 2739.	2.8	9
115	Oxide nanocrystal based nanocomposites for fabricating photoplastic AFM probes. Nanoscale, 2011, 3, 4632.	2.8	7
116	Reliable and Improved Nanoscale Stencil Lithography by Membrane Stabilization, Blurring, and Clogging Corrections. IEEE Nanotechnology Magazine, 2011, 10, 352-357.	1.1	26
117	Localized Ion Implantation Through Micro/Nanostencil Masks. IEEE Nanotechnology Magazine, 2011, 10, 940-946.	1.1	16
118	Link between Alginate Reaction Front Propagation and General Reaction Diffusion Theory. Analytical Chemistry, 2011, 83, 2234-2242.	3.2	45
119	Metallic Nanodot Arrays by Stencil Lithography for Plasmonic Biosensing Applications. ACS Nano, 2011, 5, 844-853.	7.3	87
120	Hybrid polymer microlens arrays with high numerical apertures fabricated using simple ink-jet printing technique. Optical Materials Express, 2011, 1, 259.	1.6	89
121	Nano-Stenciled RGD-Gold Patterns That Inhibit Focal Contact Maturation Induce Lamellipodia Formation in Fibroblasts. PLoS ONE, 2011, 6, e25459.	1.1	27
122	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
123	Three-level stencil alignment fabrication of a high-k gate stack organic thin film transistor. Microelectronic Engineering, 2011, 88, 2496-2499.	1.1	4
124	The effects of channel length and film microstructure on the performance of pentacene transistors. Organic Electronics, 2011, 12, 336-340.	1.4	18
125	Robust PECVD SiC membrane made for stencil lithography. Microelectronic Engineering, 2011, 88, 2790-2793.	1.1	9
126	Ambipolar silicon nanowire FETs with stenciled-deposited metal gate. Microelectronic Engineering, 2011, 88, 2732-2735.	1.1	11

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127	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
128	Organic thin film transistors on flexible polyimide substrates fabricated by full-wafer stencil lithography. Sensors and Actuators A: Physical, 2010, 162, 155-159.	2.0	34
129	Double-gate pentacene thin-film transistor with improved control in sub-threshold region. Solid-State Electronics, 2010, 54, 1003-1009.	0.8	17
130	Stenciled conducting bismuth nanowires. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, 169-172.	0.6	14
131	Inexpensive and fast wafer-scale fabrication of nanohole arrays in thin gold films for plasmonics. Nanotechnology, 2010, 21, 205301.	1.3	22
132	Very large scale arrays of chemo-mechanical nanoswitches for ultralow power hydrogen sensing. , 2010, , .		0
133	Fluidic microstructuring of alginate hydrogels for the single cell niche. Lab on A Chip, 2010, 10, 2771.	3.1	12
134	The transition in hydrogen sensing behavior in noncontinuous palladium films. Applied Physics Letters, 2010, 97, .	1.5	43
135	Nanomechanical Mass Sensor for Spatially Resolved Ultrasensitive Monitoring of Deposition Rates in Stencil Lithography. Small, 2009, 5, 176-180.	5.2	28
136	Ion Beam Etching: Replication of Micro Nano-structured 3D Stencil Masks. , 2009, , .		0
137	Drop-On-Demand Inkjet Printing of SU-8 Polymer. Micro and Nanosystems, 2009, 1, 63-67.	0.3	26
138	Nanomechanical mass sensor for monitoring deposition rates through confined apertures. , 2009, , .		0
139	Nanotechnology impact on sensors. Nanotechnology, 2009, 20, 430206-430206.	1.3	23
140	Localized Silicon Nanocrystals Fabricated by Stencil Masked Low Energy Ion Implantation: Effect of the Stencil Aperture Size on the Implanted Dose. Materials Research Society Symposia Proceedings, 2009, 1160, 1.	0.1	0
141	An Oligomerized 53BP1 Tudor Domain Suffices for Recognition of DNA Double-Strand Breaks. Molecular and Cellular Biology, 2009, 29, 1050-1058.	1.1	104
142	Inkjetâ€Printed Multicolor Arrays of Highly Luminescent Nanocrystalâ€Based Nanocomposites. Small, 2009, 5, 1051-1057.	5.2	44
143	Drop-on-demand inkjet printing of highly luminescent CdS and CdSe@ZnS nanocrystal based nanocomposites. Microelectronic Engineering, 2009, 86, 1124-1126.	1.1	19
144	NEMS/CMOS sensor for monitoring deposition rates in stencil lithography. Procedia Chemistry, 2009, 1, 425-428.	0.7	0

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145	Organic Thin Film Transistors on Flexible Polyimide Substrates Fabricated by Full Wafer Stencil Lithography. Procedia Chemistry, 2009, 1, 762-765.	0.7	10
146	Microcollimator for Micrometer-Wide Stripe Irradiation of Cells Using 20â€“30 keV X Rays. Radiation Research, 2009, 172, 252-259.	0.7	7
147	Double-gate pentacene TFTs with improved control in subthreshold region. , 2009, , .		3
148	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
149	Nanomechanical test structure for optimal alignment in stencil-based lithography. , 2009, , .		0
150	Conduction in rectangular quasi-one-dimensional and two-dimensional random resistor networks away from the percolation threshold. Physical Review E, 2009, 80, 021104.	0.8	15
151	Focused Ion Beam: A Versatile Technique for the Fabrication of Nano-Devices. Praktische Metallographie/Practical Metallography, 2009, 46, 154-156.	0.1	2
152	Nanopatterned Selfâ€Assembled Monolayers by Using Diblock Copolymer Micelles as Nanometerâ€Scale Adsorption and Etch Masks. Advanced Materials, 2008, 20, 1962-1965.	11.1	16
153	Combining Micelle Selfâ€Assembly with Nanostencil Lithography to Create Periodic/Aperiodic Microâ€/Nanopatterns on Surfaces. Advanced Materials, 2008, 20, 3533-3538.	11.1	15
154	Reusability of nanostencils for the patterning of Aluminum nanostructures by selective wet etching. Microelectronic Engineering, 2008, 85, 1237-1240.	1.1	29
155	Mechanical stabilisation and design optimisation of masks for stencil lithography: Numerical approach and experimental validation. Microelectronic Engineering, 2008, 85, 2243-2249.	1.1	2
156	Dynamic stencil lithography on full wafer scale. Journal of Vacuum Science & Technology B, 2008, 26, 2054-2058.	1.3	19
157	Two-dimensional magnetic resonance force microscopy using full-volume Fourier and Hadamard encoding. Physical Review B, 2008, 78, .	1.1	10
158	Patterning of parallel nanobridge structures by reverse nanostencil lithography using an edge-patterned stencil. Nanotechnology, 2007, 18, 044002.	1.3	6
159	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
160	Direct Observation of Nuclear Spin Diffusion in Real Space. Physical Review Letters, 2007, 99, 227603.	2.9	28
161	Nanostenciling for fabrication and interconnection of nanopatterns and microelectrodes. Applied Physics Letters, 2007, 90, 093113.	1.5	21
162	NMR spectroscopy and perfusion of mammalian cells using surface microprobes. Lab on A Chip, 2007, 7, 381.	3.1	16

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163	Computational Design and Optimisation of Mechanically Reinforced Masks for Stencil Lithography. , 2007, , .		0
164	Predicting mask distortion, clogging and pattern transfer for stencil lithography. Microelectronic Engineering, 2007, 84, 42-53.	1.1	40
165	Micropositioning and microscopic observation of individual picoliter-sized containers within SU-8 microchannels. Microfluidics and Nanofluidics, 2007, 3, 189-194.	1.0	17
166	Cell Membranes Suspended Across Nanoaperture Arrays. Langmuir, 2006, 22, 22-25.	1.6	59
167	Application of Microstencil Lithography on Polymer Surfaces for Microfluidic Systems with Integrated Microelectrodes. , 2006, , .		1
168	Novel full platinum nanoprobes suitable for biological SPM experiments. , 2006, , .		0
169	Block Copolymer Micelles as Switchable Templates for Nanofabrication. Langmuir, 2006, 22, 3450-3452.	1.6	69
170	Fabrication and Functionalization of Nanochannels by Electron-Beam-Induced Silicon Oxide Deposition. Langmuir, 2006, 22, 10711-10715.	1.6	89
171	Micro- and Nanostructured Devices for the Investigation of Biomolecular Interactions. Chimia, 2006, 60, 754-760.	0.3	8
172	Corrugated membranes for improved pattern definition with micro/nanostencil lithography. Sensors and Actuators A: Physical, 2006, 130-131, 568-574.	2.0	31
173	Formation of Metal Nano- and Micropatterns on Self-Assembled Monolayers by Pulsed Laser Deposition Through Nanostencils and Electroless Deposition. Advanced Functional Materials, 2006, 16, 1337-1342.	7.8	30
174	Fabrication of metallic patterns by microstencil lithography on polymer surfaces suitable as microelectrodes in integrated microfluidic systems. Journal of Micromechanics and Microengineering, 2006, 16, 1606-1613.	1.5	25
175	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
176	Surface Micromachining of Polyureasilazane Based Ceramic-MEMS Using SU-8 Micromolds. Advances in Science and Technology, 2006, 45, 1293.	0.2	4
177	Complex oxide nanostructures by pulsed laser deposition through nanostencils. Applied Physics Letters, 2005, 86, 183107.	1.5	60
178	Fabrication and application of a full wafer size micro/nanostencil for multiple length-scale surface patterning. Microelectronic Engineering, 2003, 67-68, 609-614.	1.1	87
179	Size-dependent free solution DNA electrophoresis in structured microfluidic systems. Microelectronic Engineering, 2003, 67-68, 905-912.	1.1	42
180	All-photoplastic microstencil with self-alignment for multiple layer shadow-mask patterning. Sensors and Actuators A: Physical, 2003, 107, 132-136.	2.0	39

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181	Shadow-Mask Evaporation through Monolayer-Modified Nanostencils. Nano Letters, 2002, 2, 1339-1343.	4.5	53
182	Electrical properties of light-addressed sub-Î¼m electrodes fabricated by use of nanostencil-technology. Microelectronic Engineering, 2002, 61-62, 971-980.	1.1	12
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