Peter Bggild

List of Publications by Year in Descending Order

194 papers	7,254 citations	42 h-index	79 g-index
215 ext. papers	8,425 ext. citations	5.7 avg, IF	5.61 L-index

#	Paper	IF	Citations
194	Bottom-Up-Etching-Mediated Synthesis of Large-Scale Pure Monolayer Graphene on Cyclic-Polishing-Annealed Cu(111) (Adv. Mater. 8/2022). *Advanced Materials*, **2022**, 34, 2270063	24	
193	Bottom-Up-Etching Mediated Synthesis of Large-Scale Pure Monolayer Graphene on Cyclic-Polishing-Annealed Cu(111). *Advanced Materials*, **2021**, e2108608	24	6
192	Long-term stability and tree-ring oxidation of WSe using phase-contrast AFM. *Nanoscale*, **2021**, 13, 19238-19246	7.7	6
191	Controlled generation of luminescent centers in hexagonal boron nitride by irradiation engineering. *Science Advances*, **2021**, 7,	14.3	12
190	Super-Resolution Nanolithography of Two-Dimensional Materials by Anisotropic Etching. *ACS Applied Materials & Interfaces*, **2021**, 13, 41886-41894	9.5	3
189	Fermi velocity renormalization in graphene probed by terahertz time-domain spectroscopy. *2D Materials*, **2020**, 7, 035009	5.9	10
188	Wafer-scale graphene quality assessment using micro four-point probe mapping. *Nanotechnology*, **2020**, 31, 225709	3.4	3
187	Production and processing of graphene and related materials. *2D Materials*, **2020**, 7, 022001	5.9	179
186	Reference-free THz-TDS conductivity analysis of thin conducting films. *Optics Express*, **2020**, 28, 28819-28830	3.3	5
185	Selective area oxidation of copper derived from chemical vapor deposited graphene microstructure. *Nanotechnology*, **2020**, 31, 485603	3.4	2
184	Atomic Layer Deposition Alumina-Mediated Graphene Transfer for Reduced Process Contamination. *Physica Status Solidi - Rapid Research Letters*, **2019**, 13, 1900424	2.5	3
183	Gate electrostatics and quantum capacitance in ballistic graphene devices. *Physical Review B*, **2019**, 99,	3.3	3
182	Electrostatics of metal-graphene interfaces: sharp p-n junctions for electron-optical applications. *Nanoscale*, **2019**, 11, 10273-10281	7.7	11
181	Do-It-Yourself Transfer of Large-Area Graphene Using an Office Laminator and Water. *Chemistry of Materials*, **2019**, 31, 2328-2336	9.6	42
180	Single-Crystalline Gold Nanodisks on WS2 Mono- and Multilayers for Strong Coupling at Room Temperature. *ACS Photonics*, **2019**, 6, 994-1001	6.3	42
179	Non-contact mobility measurements of graphene on silicon carbide. *Microelectronic Engineering*, **2019**, 212, 9-12	2.5	5
178	Oxidation of Suspended Graphene: Etch Dynamics and Stability Beyond 1000 °C. *ACS Nano*, **2019**, 13, 2281-2288	16.7	7

177	Graphene-Si CMOS oscillators. *Nanoscale*, **2019**, 11, 3619-3625	7.7	3
176	Low-temperature synthesis of a graphene-based, corrosion-inhibiting coating on an industrial grade alloy. *Corrosion Science*, **2019**, 152, 1-9	6.8	9
175	Challenges for continuous graphene as a corrosion barrier. *2D Materials*, **2019**, 6, 022002	5.9	17
174	A universal approach for the synthesis of two-dimensional binary compounds. *Nature Communications*, **2019**, 10, 2957	17.4	62
173	Wafer-Scale Synthesis of Graphene on Sapphire: Toward Fab-Compatible Graphene. *Small*, **2019**, 15, e1904906	13.3	32
172	Lithographic band structure engineering of graphene. *Nature Nanotechnology*, **2019**, 14, 340-346	28.7	44
171	Graphene-Subgrain-Defined Oxidation of Copper. *ACS Applied Materials & Interfaces*, **2019**, 11, 48518-48524	8.3	21
170	Quantitative optical mapping of two-dimensional materials. *Scientific Reports*, **2018**, 8, 6381	4.9	21
169	Complete long-term corrosion protection with chemical vapor deposited graphene. *Carbon*, **2018**, 132, 78-84	10.4	63
168	Conductance quantization suppression in the quantum Hall regime. *Nature Communications*, **2018**, 9, 659	17.4	18
167	High-quality graphene flakes exfoliated on a flat hydrophobic polymer. *Applied Physics Letters*, **2018**, 112, 033101	3.4	7
166	Large-scale tight-binding simulations of quantum transport in ballistic graphene. *Journal of Physics Condensed Matter*, **2018**, 30, 364001	1.8	7
165	Conductivity mapping of graphene on polymeric films by terahertz time-domain spectroscopy. *Optics Express*, **2018**, 26, 17748-17754	3.3	21
164	Quality assessment of terahertz time-domain spectroscopy transmission and reflection modes for graphene conductivity mapping. *Optics Express*, **2018**, 26, 9220-9229	3.3	27
163	A Graphene-Edge Ferroelectric Molecular Switch. *Nano Letters*, **2018**, 18, 4675-4683	11.5	15
162	Electrical Homogeneity Mapping of Epitaxial Graphene on Silicon Carbide. *ACS Applied Materials & Interfaces*, **2018**, 10, 31641-31647	9.5	18
161	Real-time oxide evolution of copper protected by graphene and boron nitride barriers. *Scientific Reports*, **2017**, 7, 39770	4.9	37
160	Raman spectral indicators of catalyst decoupling for transfer of CVD grown 2D materials. *Carbon*, **2017**, 117, 75-81	10.4	25

159	Structural Transformations in Two-Dimensional Transition-Metal Dichalcogenide MoS under an Electron Beam: Insights from First-Principles Calculations. *Journal of Physical Chemistry Letters*, **2017**, 8, 3061-3067	6.4	68
158	A two-dimensional Dirac fermion microscope. *Nature Communications*, **2017**, 8, 15783	17.4	50
157	Graphene antidot lattice transport measurements. *International Journal of Nanotechnology*, **2017**, 14, 226	1.5	9
156	Reversible hysteresis inversion in MoS2 field effect transistors. *Npj 2D Materials and Applications*, **2017**, 1,	8.8	67
155	Sputtering an exterior metal coating on copper enclosure for large-scale growth of single-crystalline graphene. *2D Materials*, **2017**, 4, 045017	5.9	14
154	Mapping the electrical properties of large-area graphene. *2D Materials*, **2017**, 4, 042003	5.9	75
153	Probing the Gas-Phase Dynamics of Graphene Chemical Vapour Deposition using in-situ UV Absorption Spectroscopy. *Scientific Reports*, **2017**, 7, 6183	4.9	4
152	Batch fabrication of nanopatterned graphene devices via nanoimprint lithography. *Applied Physics Letters*, **2017**, 111, 193103	3.4	16
151	Quality assessment of graphene: Continuity, uniformity, and accuracy of mobility measurements. *Nano Research*, **2017**, 10, 3596-3605	10	22
150	Suppression of intrinsic roughness in encapsulated graphene. *Physical Review B*, **2017**, 96,	3.3	19
149	Self-assembly of ordered graphene nanodot arrays. *Nature Communications*, **2017**, 8, 47	17.4	21
148	Robust mapping of electrical properties of graphene from terahertz time-domain spectroscopy with timing jitter correction. *Optics Express*, **2017**, 25, 2725-2732	3.3	22
147	The hot pick-up technique for batch assembly of van der Waals heterostructures. *Nature Communications*, **2016**, 7, 11894	17.4	289
146	Contactless graphene conductance measurements: the effect of device fabrication on terahertz time-domain spectroscopy. *International Journal of Nanotechnology*, **2016**, 13, 591	1.5	11
145	Catalyst Interface Engineering for Improved 2D Film Lift-Off and Transfer. *ACS Applied Materials & Interfaces*, **2016**, 8, 33072-33082	9.5	31
144	Copper Oxidation through Nucleation Sites of Chemical Vapor Deposited Graphene. *Chemistry of Materials*, **2016**, 28, 3789-3795	9.6	38
143	All-graphene edge contacts: Electrical resistance of graphene T-junctions. *Carbon*, **2016**, 101, 101-106	10.4	7
142	Failure of multi-layer graphene coatings in acidic media. *RSC Advances*, **2016**, 6, 21497-21502	3.7	11

141	Defect/oxygen assisted direct write technique for nanopatterning graphene. *Nanoscale*, **2015**, 7, 6271-7	7.7	9
140	Transfer of Direct and Moir Patterns by Reactive Ion Etching Through Ex Situ Fabricated Nanoporous Polymer Masks. *Langmuir*, **2015**, 31, 6245-52	4	2
139	Graphene mobility mapping. *Scientific Reports*, **2015**, 5, 12305	4.9	75
138	Selective Electroless Silver Deposition on Graphene Edges. *Journal of the Electrochemical Society*, **2015**, 162, D213-D217	3.9	7
137	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. *Nanoscale*, **2015**, 7, 4598-810	7.7	2015
136	Terahertz wafer-scale mobility mapping of graphene on insulating substrates without a gate. *Optics Express*, **2015**, 23, 30721-9	3.3	37
135	High quality sub-10 nm graphene nanoribbons by on-chip PS-b-PDMS block copolymer lithography. *RSC Advances*, **2015**, 5, 66711-66717	3.7	17
134	Facile electrochemical transfer of large-area single crystal epitaxial graphene from Ir(1 1 1). *Journal Physics D: Applied Physics*, **2015**, 48, 115306	3	20
133	Multilayer graphene for long-term corrosion protection of stainless steel bipolar plates for polymer electrolyte membrane fuel cell. *Journal of Power Sources*, **2015**, 293, 846-851	8.9	58
132	Fabrication of CVD graphene-based devices via laser ablation for wafer-scale characterization. *2D Materials*, **2015**, 2, 045003	5.9	23
131	Unforeseen high temperature and humidity stability of FeCl3 intercalated few layer graphene. *Scientific Reports*, **2015**, 5, 7609	4.9	38
130	Non-destructive electrochemical graphene transfer from reusable thin-film catalysts. *Carbon*, **2015**, 85, 397-405	10.4	34
129	Plasmon-phonon coupling in large-area graphene dot and antidot arrays fabricated by nanosphere lithography. *Nano Letters*, **2014**, 14, 2907-13	11.5	96
128	Pattern recognition approach to quantify the atomic structure of graphene. *Carbon*, **2014**, 74, 363-366	10.4	4
127	Graphene Edges Dictate the Morphology of Nanoparticles during Catalytic Channeling. *Journal of Physical Chemistry C*, **2014**, 118, 4296-4302	3.8	24
126	Electrically continuous graphene from single crystal copper verified by terahertz conductance spectroscopy and micro four-point probe. *Nano Letters*, **2014**, 14, 6348-55	11.5	59
125	Large-area nanopatterned graphene for ultrasensitive gas sensing. *Nano Research*, **2014**, 7, 743-754	10	82
124	Transfer induced compressive strain in graphene: Evidence from Raman spectroscopic mapping. *Microelectronic Engineering*, **2014**, 121, 113-117	2.5	27

123	Directed self-assembled crystalline oligomer domains on graphene and graphite. *Nanotechnology*, **2014**, 25, 035602	3.4	12
122	Sensitivity analysis explains quasi-one-dimensional current transport in two-dimensional materials. *Physical Review B*, **2014**, 90,	3.3	7
121	Graphene transport properties upon exposure to PMMA processing and heat treatments. *2D Materials*, **2014**, 1, 035005	5.9	56
120	Revealing origin of quasi-one dimensional current transport in defect rich two dimensional materials. *Applied Physics Letters*, **2014**, 105, 053115	3.4	10
119	Topology optimization of robust superhydrophobic surfaces. *Soft Matter*, **2013**, 9, 2234	3.6	12
118	Ultra-high aspect ratio replaceable AFM tips using deformation-suppressed focused ion beam milling. *Nanotechnology*, **2013**, 24, 465701	3.4	10
117	Stepwise Reduction of Immobilized Monolayer Graphene Oxides. *Chemistry of Materials*, **2013**, 25, 4839-4848	9.8	12
116	Design of a micro-cartridge system for the robotic assembly of exchangeable AFM-probe tips **2013**,		3
115	Out-of-plane bending based on SiN-ion-irradiation and bilayer structures for easy access for micromanipulation. *Microelectronic Engineering*, **2013**, 110, 398-402	2.5	3
114	Black silicon maskless templates for carbon nanotube forests. *Microelectronic Engineering*, **2013**, 104, 110-113	2.5	4
113	Effective surface conductivity approach for graphene metamaterials based terahertz devices **2013**,		1
112	Carbon mediated reduction of silicon dioxide and growth of copper silicide particles in uniform width channels. *Journal of Applied Physics*, **2013**, 114, 114303	2.5	2
111	Electronic and transport properties of kinked graphene. *Beilstein Journal of Nanotechnology*, **2013**, 4, 103-10	3	19
110	Graphene oxide as a monoatomic blocking layer. *ACS Nano*, **2012**, 6, 8022-9	16.7	16
109	Graphene conductance uniformity mapping. *Nano Letters*, **2012**, 12, 5074-81	11.5	112
108	Parametric optimization of inverse trapezoid oleophobic surfaces. *Langmuir*, **2012**, 28, 17545-51	4	17
107	In situ TEM creation and electrical characterization of nanowire devices. *Nano Letters*, **2012**, 12, 2965-70	11.5	32
106	Controllable chemical vapor deposition of large area uniform nanocrystalline graphene directly on silicon dioxide. *Journal of Applied Physics*, **2012**, 111, 044103	2.5	46

105	3D mechanical measurements with an atomic force microscope on 1D structures. *Review of Scientific Instruments*, **2012**, 83, 023704	1.7	10
104	Fast and direct measurements of the electrical properties of graphene using micro four-point probes. *Nanotechnology*, **2011**, 22, 445702	3.4	30
103	Carbon nanotube based separation columns for high electrical field strengths in microchip electrochromatography. *Lab on A Chip*, **2011**, 11, 2116-8	7.2	63
102	High throughput nanofabrication of silicon nanowire and carbon nanotube tips on AFM probes by stencil-deposited catalysts. *Nano Letters*, **2011**, 11, 1568-74	11.5	44
101	Direct electrospinning of Ag/polyvinylpyrrolidone nanocables. *Nanoscale*, **2011**, 3, 4966-71	7.7	64
100	Nanomanipulation of 2 inch wafer fabrication of vertically aligned carbon nanotube arrays by nanoimprint lithography. *Physica Status Solidi (A) Applications and Materials Science*, **2011**, 208, 2352-2356	1.6	2
99	In Situ Tuning of Focused-Ion-Beam Defined Nanomechanical Resonators Using Joule Heating. *Journal of Microelectromechanical Systems*, **2011**, 20, 1074-1080	2.5	1
98	Discrete dynamics of nanoparticle channelling in suspended graphene. *Nano Letters*, **2011**, 11, 2689-92	11.5	58
97	Optimization of FIB milling for rapid NEMS prototyping. *Microelectronic Engineering*, **2011**, 88, 2671-2674	2.5	3
96	A graphite nanoeraser. *Nanotechnology*, **2011**, 22, 265706	3.4	27
95	Vertically aligned CNT growth on a microfabricated silicon heater with integrated temperature control determination of the activation energy from a continuous thermal gradient. *Journal of Micromechanics and Microengineering*, **2011**, 21, 015004	2	10
94	Micro-cantilevers for non-destructive characterization of nanograss uniformity **2011**,		1
93	Atomic Force Microscopy for Liquid Applications **2011**, 29-56		2
92	Electrical characterization of InGaAs ultra-shallow junctions. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2010**, 28, C1C41-C1C47	1.3	5
91	Novel four-point-probe design and nanorobotic dual endeffector strategy for electrical characterization of as-grown SWCNT bundles **2010**,		2
90	Integration, gap formation, and sharpening of III-V heterostructure nanowires by selective etching. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2010**, 28, 21-26	1.3	12
89	Sensitivity study of micro four-point probe measurements on small samples. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2010**, 28, C1C34-C1C40	1.3	15
88	Submicron organic nanofiber devices with different anode-cathode materials: A simple approach. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2010**, 28, 617-622	1.3	1

87	Review of electrical characterization of ultra-shallow junctions with micro four-point probes. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2010**, 28, C1C27-C1C33	1.3	30
86	Manipulation andin situtransmission electron microscope characterization of sub-100 nm nanostructures using a microfabricated nanogripper. *Journal of Micromechanics and Microengineering*, **2010**, 20, 035009	2	17
85	Simple Approach to Superamphiphobic Overhanging Silicon Nanostructures. *Journal of Physical Chemistry C*, **2010**, 114, 2936-2940	3.8	95
84	Customizable in situ TEM devices fabricated in freestanding membranes by focused ion beam milling. *Nanotechnology*, **2010**, 21, 405304	3.4	11
83	Microfabricated systems for electron microscopy of nanoscale processes: In-situ TEM creation of Si nanowire devices and in-situ SEM electrochemistry. *Microscopy and Microanalysis*, **2010**, 16, 322-323	0.5	1
82	Graphene electrodes for n-type organic field-effect transistors. *Microelectronic Engineering*, **2010**, 87, 1120-1122	2.5	7
81	Measurement of local Si-nanowire growth kinetics using in situ transmission electron microscopy of heated cantilevers. *Small*, **2010**, 6, 2058-64	11	22
80	Semiconducting III-V nanowires with nanogaps for molecular junctions: DFT transport simulations. *Nanotechnology*, **2009**, 20, 465401	3.4	1
79	. *IEEE Nanotechnology Magazine*, **2009**, 8, 76-85	2.6	36
78	Carbon nanotubes integrated in electrically insulated channels for lab-on-a-chip applications. *Nanotechnology*, **2009**, 20, 095503	3.4	20
77	Nanobits: customizable scanning probe tips. *Nanotechnology*, **2009**, 20, 395703	3.4	22
76	Fundamental size limitations of micro four-point probes. *Microelectronic Engineering*, **2009**, 86, 987-990	2.5	12
75	Correction to "Multimodal Electrothermal Silicon Microgrippers for Nanotube Manipulation". *IEEE Nanotechnology Magazine*, **2009**, 8, 659-659	2.6	
74	The conductivity of Bi(111) investigated with nanoscale four point probes. *Journal of Applied Physics*, **2008**, 104, 053717	2.5	26
73	Rapid prototyping of nanotube-based devices using topology-optimized microgrippers. *Nanotechnology*, **2008**, 19, 495503	3.4	39
72	Electrothermal microgrippers for pick-and-place operations. *Microelectronic Engineering*, **2008**, 85, 1128-1130	1.3	27
71	On the suitability of carbon nanotube forests as non-stick surfaces for nanomanipulation. *Soft Matter*, **2008**, 4, 392-399	3.6	12
70	A complementary metal-oxide-semiconductor compatible monocantilever 12-point probe for conductivity measurements on the nanoscale. *Applied Physics Letters*, **2008**, 93, 093104	3.4	16

69	Investigation of parameters controlling the dielectrophoretic assembly of carbon nanotubes on microelectrodes. *Journal of Nanoscience and Nanotechnology*, **2008**, 8, 1973-8	1.3	9
68	Depth-detection methods for microgripper based CNT manipulation in a scanning electron microscope. *Journal of Micro-Nano Mechatronics*, **2008**, 4, 27-36		39
67	Epitaxial integration of nanowires in microsystems by local micrometer-scale vapor-phase epitaxy. *Small*, **2008**, 4, 1741-6	11	26
66	Selective etching of III/V nanowires for molecular junctions. *Microelectronic Engineering*, **2008**, 85, 1179-1181	1.5	4
65	Static contact micro four-point probes with . *Microelectronic Engineering*, **2008**, 85, 1092-1095	2.5	24
64	Topology optimized electrothermal polysilicon microgrippers. *Microelectronic Engineering*, **2008**, 85, 1096-1099	2.5	31
63	Device-Oriented Studies on Electrical, Optical, and Mechanical Properties of Individual Organic Nanofibers **2008**, 301-324		
62	Nanorobotic manipulation setup for pick-and-place handling and nondestructive characterization of carbon nanotubes **2007**,		19
61	Microgrippers: a case study for batch-compatible integration of MEMS with nanostructures. *Nanotechnology*, **2007**, 18, 375501	3.4	11
60	Electron irradiation-induced destruction of carbon nanotubes in electron microscopes. *Ultramicroscopy*, **2007**, 108, 52-7	3.1	60
59	Electrical conductivity of organic single-nanofiber devices with different contact materials. *Organic Electronics*, **2007**, 8, 540-544	3.5	12
58	Batch fabrication of nanotubes suspended between microelectrodes. *Microelectronic Engineering*, **2007**, 84, 1431-1435	2.5	1
57	A carbon nanofibre scanning probe assembled using an electrothermal microgripper. *Nanotechnology*, **2007**, 18, 345501	3.4	50
56	Flexible SiO2 cantilevers for torsional self-aligning micro scale four-point probes. *Journal of Micromechanics and Microengineering*, **2007**, 17, 1910-1915	2	1
55	Wafer scale integration of catalyst dots into nonplanar microsystems. *Journal of Micro/Nanolithography, MEMS, and MOEMS*, **2007**, 6, 043014	0.7	
54	Charge Injection and Transport in Organic Nanofibers. *Journal of Physics: Conference Series*, **2007**, 61, 565-569	0.3	3
53	Temperature response of carbon nanotube networks. *Journal of Physics: Conference Series*, **2007**, 61, 247-251	0.3	5
52	High resolution 100kV electron beam lithography in SU-8. *Microelectronic Engineering*, **2006**, 83, 1609-1612	1.5	71

51	Versatile method for manipulating and contacting nanowires. *Journal of Nanoscience and Nanotechnology*, **2006**, 6, 1995-9	1.3	8
50	Carbon nanotube forests: a non-stick workbench for nanomanipulation. *Nanotechnology*, **2006**, 17, 4917-4922	3.4	11
49	Comparison of high resolution negative electron beam resists. *Journal of Vacuum Science & Technology B*, **2006**, 24, 1776		29
48	Pick-and-place nanomanipulation using microfabricated grippers. *Nanotechnology*, **2006**, 17, 2434-41	3.4	89
47	Transmission electron microscopy study of individual carbon nanotube breakdown caused by Joule heating in air. *Nano Letters*, **2006**, 6, 1663-8	11.5	56
46	Optically driven microtools fabricated by UV lithography and RIE **2006**, 6131, 77		
45	MICROFABRICATED TOOLS FOR PICK-AND-PLACE OF NANOSCALE COMPONENTS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2006**, 39, 120-126		1
44	Mechanical properties of organic nanofibers. *Small*, **2006**, 2, 660-6	11	24
43	Waferscale assembly of Field-Aligned nanotube Networks (FANs). *Physica Status Solidi (A) Applications and Materials Science*, **2006**, 203, 1088-1093	1.6	7
42	Micromanipulation of organic nanofibers for blue light emitting microstructures. *Physica Status Solidi (A) Applications and Materials Science*, **2006**, 203, 1459-1463	1.6	6
41	Integrating nanotubes into microsystems with electron beam lithography and in situ catalytically activated growth. *Physica Status Solidi (A) Applications and Materials Science*, **2006**, 203, 1094-1099	1.6	5
40	Integration of carbon nanotubes with controllable inclination angle into microsystems. *Carbon*, **2006**, 44, 3030-3036	10.4	4
39	Electrical properties of a single p-hexaphenylene nanofiber. *Thin Solid Films*, **2006**, 515, 827-830	2.2	20
38	Actuation of microfabricated tools using multiple GPC-based counterpropagating-beam traps. *Optics Express*, **2005**, 13, 6899-904	3.3	63
37	Frequency dependence of the structure and electrical behaviour of carbon nanotube networks assembled by dielectrophoresis. *Nanotechnology*, **2005**, 16, 759-763	3.4	42
36	A simple electron-beam lithography system. *Ultramicroscopy*, **2005**, 102, 215-9	3.1	5
35	Multi-walled carbon nanotubes integrated in microcantilevers for application of tensile strain. *Ultramicroscopy*, **2005**, 105, 209-214	3.1	21
34	Optical detection of ion diffusion in electrochromic poly(3,4-ethylenedioxy)thiophene film using microcantilever electrodes. *Thin Solid Films*, **2005**, 484, 334-340	2.2	2

33	Nanoscale silicon structures by using carbon nanotubes as reactive ion etch masks. *Nanotechnology*, **2005**, 16, 750-753	3.4	12
32	Functionalisation of Microfluidic Channels with In Situ Grown Carbon Nanotubes. *Materials Research Society Symposia Proceedings*, **2005**, 872, 1		
31	Direct Measurement of Resistance of Multiwalled Carbon Nanotubes Using Micro Four-Point Probes. *Sensor Letters*, **2005**, 3, 300-303	0.9	38
30	Towards pick-and-place assembly of nanostructures. *Journal of Nanoscience and Nanotechnology*, **2004**, 4, 279-82	1.3	44
29	Constructing, connecting and soldering nanostructures by environmental electron beam deposition. *Nanotechnology*, **2004**, 15, 1047-1053	3.4	70
28	Microcantilever equipped with nanowire template electrodes for multiprobe measurement on fragile nanostructures. *Journal of Applied Physics*, **2004**, 96, 2895-2900	2.5	22
27	Dielectrophoresis of carbon nanotubes using microelectrodes: a numerical study. *Nanotechnology*, **2004**, 15, 1095-1102	3.4	185
26	An approach to a multi-walled carbon nanotube based mass sensor. *Microelectronic Engineering*, **2004**, 73-74, 670-674	2.5	32
25	Micro-four-point-probe characterization of nanowires fabricated using the nanostencil technique. *Nanotechnology*, **2004**, 15, 1363-1367	3.4	24
24	Polymer Cantilever Platform for Dielectrophoretic Assembly of Carbon Nanotubes. *Sensor Letters*, **2004**, 2, 117-120	0.9	4
23	ELECTRICAL CONDUCTION THROUGH SURFACE SUPERSTRUCTURES MEASURED BY MICROSCOPIC FOUR-POINT PROBES. *Surface Review and Letters*, **2003**, 10, 963-980	1.1	70
22	Soldering of Carbon Nanotube Bridges using Electron Beam Deposited Gold. *Materials Research Society Symposia Proceedings*, **2003**, 772, 481		1
21	Solid Gold Nanostructures Fabricated by Electron Beam Deposition. *Nano Letters*, **2003**, 3, 1499-1503	11.5	78
20	Soldering of Nanotubes onto Microelectrodes. *Nano Letters*, **2003**, 3, 47-49	11.5	95
19	Resolution enhancement of scanning four-point-probe measurements on two-dimensional systems. *Review of Scientific Instruments*, **2003**, 74, 3701-3708	1.7	24
18	Scanning microscopic four-point conductivity probes. *Sensors and Actuators A: Physical*, **2002**, 96, 53-58	3.9	78
17	Direct measurement of surface-state conductance by microscopic four-point probe method. *Journal of Physics Condensed Matter*, **2002**, 14, 8379-8392	1.8	45
16	Fabrication and actuation of customized nanotweezers with a 25 nm gap. *Nanotechnology*, **2001**, 12, 331-335	3.4	87

15	Direct Measurement of the Microscale Conductivity of Conjugated Polymer Monolayers. *Advanced Materials*, **2000**, 12, 947-950	24	36
14	MICRO-FOUR-POINT PROBES IN A UHV SCANNING ELECTRON MICROSCOPE FOR IN-SITU SURFACE-CONDUCTIVITY MEASUREMENTS. *Surface Review and Letters*, **2000**, 07, 533-537	1.1	31
13	Surface-State Bands on Silicon Si(111)-$sqrt{3}timessqrt{3}$-Ag Surface Superstructure *Japanese Journal of Applied Physics*, **2000**, 39, 3815-3822	1.4	51
12	Scanning nanoscale multiprobes for conductivity measurements. *Review of Scientific Instruments*, **2000**, 71, 2781-2783	1.7	49
11	Magnetic focusing in triangular electron billiards. *Physical Review B*, **1999**, 59, 13067-13072	3.3	5
10	Periodic magnetoconductance fluctuations in triangular quantum dots in the absence of selective probing. *Physical Review B*, **1998**, 57, 15408-15415	3.3	24
9	Nonlinear current-voltage relationship in the quantum hall effect. *Physica Scripta*, **1997**, T69, 124-127	2.6	1
8	Classical electron orbits inside a real and a simulated 4-contact quantum dot. *European Physical Journal D*, **1996**, 46, 2299-2300		
7	Electronic Shells in Large Quantum Dots **1996**, 89-110		3
6	Effects of small-angle scattering on Weiss oscillations in a GaAs lateral superlattice. *Physical Review B*, **1995**, 51, 7333-7336	3.3	15
5	Nonlinear current-voltage characteristics at quantum Hall resistance minima. *Physical Review B*, **1994**, 50, 1957-1960	3.3	35
4	Size dependent non-ohmic behaviour at a quantum hall plateau. *Physica B: Condensed Matter*, **1994**, 194-196, 1133-1134	2.8	
3	Nanoscale soldering of positioned carbon nanotubes using highly conductive electron beam induced gold deposition		4
2			3
1	Unraveling the electronic properties of graphene with substitutional oxygen. *2D Materials*,	5.9	3