

Peter Boggild

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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	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <i>Nanoscale</i> , 2015 , 7, 4598-810	7.7	2015
193	The hot pick-up technique for batch assembly of van der Waals heterostructures. <i>Nature Communications</i> , 2016 , 7, 11894	17.4	289
192	Dielectrophoresis of carbon nanotubes using microelectrodes: a numerical study. <i>Nanotechnology</i> , 2004 , 15, 1095-1102	3.4	185
191	Production and processing of graphene and related materials. <i>2D Materials</i> , 2020 , 7, 022001	5.9	179
190	Graphene conductance uniformity mapping. <i>Nano Letters</i> , 2012 , 12, 5074-81	11.5	112
189	Plasmon-phonon coupling in large-area graphene dot and antidot arrays fabricated by nanosphere lithography. <i>Nano Letters</i> , 2014 , 14, 2907-13	11.5	96
188	Simple Approach to Superamphiphobic Overhanging Silicon Nanostructures. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 2936-2940	3.8	95
187	Soldering of Nanotubes onto Microelectrodes. <i>Nano Letters</i> , 2003 , 3, 47-49	11.5	95
186	Pick-and-place nanomanipulation using microfabricated grippers. <i>Nanotechnology</i> , 2006 , 17, 2434-41	3.4	89
185	Fabrication and actuation of customized nanotweezers with a 25 nm gap. <i>Nanotechnology</i> , 2001 , 12, 331-335	3.4	87
184	Large-area nanopatterned graphene for ultrasensitive gas sensing. <i>Nano Research</i> , 2014 , 7, 743-754	10	82
183	Scanning microscopic four-point conductivity probes. <i>Sensors and Actuators A: Physical</i> , 2002 , 96, 53-58	3.9	78
182	Solid Gold Nanostructures Fabricated by Electron Beam Deposition. <i>Nano Letters</i> , 2003 , 3, 1499-1503	11.5	78
181	Graphene mobility mapping. <i>Scientific Reports</i> , 2015 , 5, 12305	4.9	75
180	Mapping the electrical properties of large-area graphene. <i>2D Materials</i> , 2017 , 4, 042003	5.9	75
179	High resolution 100kV electron beam lithography in SU-8. <i>Microelectronic Engineering</i> , 2006 , 83, 1609-1612	3.9	71
178	ELECTRICAL CONDUCTION THROUGH SURFACE SUPERSTRUCTURES MEASURED BY MICROSCOPIC FOUR-POINT PROBES. <i>Surface Review and Letters</i> , 2003 , 10, 963-980	1.1	70

177	Constructing, connecting and soldering nanostructures by environmental electron beam deposition. <i>Nanotechnology</i> , 2004 , 15, 1047-1053	3.4	70
176	Structural Transformations in Two-Dimensional Transition-Metal Dichalcogenide MoS under an Electron Beam: Insights from First-Principles Calculations. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 3061-3067	6.4	68
175	Reversible hysteresis inversion in MoS ₂ field effect transistors. <i>Npj 2D Materials and Applications</i> , 2017 , 1,	8.8	67
174	Direct electrospinning of Ag/polyvinylpyrrolidone nanocables. <i>Nanoscale</i> , 2011 , 3, 4966-71	7.7	64
173	Complete long-term corrosion protection with chemical vapor deposited graphene. <i>Carbon</i> , 2018 , 132, 78-84	10.4	63
172	Carbon nanotube based separation columns for high electrical field strengths in microchip electrochromatography. <i>Lab on A Chip</i> , 2011 , 11, 2116-8	7.2	63
171	Actuation of microfabricated tools using multiple GPC-based counterpropagating-beam traps. <i>Optics Express</i> , 2005 , 13, 6899-904	3.3	63
170	A universal approach for the synthesis of two-dimensional binary compounds. <i>Nature Communications</i> , 2019 , 10, 2957	17.4	62
169	Electron irradiation-induced destruction of carbon nanotubes in electron microscopes. <i>Ultramicroscopy</i> , 2007 , 108, 52-7	3.1	60
168	Electrically continuous graphene from single crystal copper verified by terahertz conductance spectroscopy and micro four-point probe. <i>Nano Letters</i> , 2014 , 14, 6348-55	11.5	59
167	Multilayer graphene for long-term corrosion protection of stainless steel bipolar plates for polymer electrolyte membrane fuel cell. <i>Journal of Power Sources</i> , 2015 , 293, 846-851	8.9	58
166	Discrete dynamics of nanoparticle channelling in suspended graphene. <i>Nano Letters</i> , 2011 , 11, 2689-92	11.5	58
165	Graphene transport properties upon exposure to PMMA processing and heat treatments. <i>2D Materials</i> , 2014 , 1, 035005	5.9	56
164	Transmission electron microscopy study of individual carbon nanotube breakdown caused by Joule heating in air. <i>Nano Letters</i> , 2006 , 6, 1663-8	11.5	56
163	Surface-State Bands on Silicon Bi(111)- $\sqrt{3}\times\sqrt{3}$ -Ag Surface Superstructure <i>Japanese Journal of Applied Physics</i> , 2000 , 39, 3815-3822	1.4	51
162	A two-dimensional Dirac fermion microscope. <i>Nature Communications</i> , 2017 , 8, 15783	17.4	50
161	A carbon nanofibre scanning probe assembled using an electrothermal microgripper. <i>Nanotechnology</i> , 2007 , 18, 345501	3.4	50
160	Scanning nanoscale multiprobes for conductivity measurements. <i>Review of Scientific Instruments</i> , 2000 , 71, 2781-2783	1.7	49

159	Controllable chemical vapor deposition of large area uniform nanocrystalline graphene directly on silicon dioxide. <i>Journal of Applied Physics</i> , 2012 , 111, 044103	2.5	46
158	Direct measurement of surface-state conductance by microscopic four-point probe method. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 8379-8392	1.8	45
157	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
156	Towards pick-and-place assembly of nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2004 , 4, 279-82	1.3	44
155	Lithographic band structure engineering of graphene. <i>Nature Nanotechnology</i> , 2019 , 14, 340-346	28.7	44
154	Do-It-Yourself Transfer of Large-Area Graphene Using an Office Laminator and Water. <i>Chemistry of Materials</i> , 2019 , 31, 2328-2336	9.6	42
153	Single-Crystalline Gold Nanodisks on WS ₂ Mono- and Multilayers for Strong Coupling at Room Temperature. <i>ACS Photonics</i> , 2019 , 6, 994-1001	6.3	42
152	Frequency dependence of the structure and electrical behaviour of carbon nanotube networks assembled by dielectrophoresis. <i>Nanotechnology</i> , 2005 , 16, 759-763	3.4	42
151	Rapid prototyping of nanotube-based devices using topology-optimized microgrippers. <i>Nanotechnology</i> , 2008 , 19, 495503	3.4	39
150	Depth-detection methods for microgripper based CNT manipulation in a scanning electron microscope. <i>Journal of Micro-Nano Mechatronics</i> , 2008 , 4, 27-36		39
149	Copper Oxidation through Nucleation Sites of Chemical Vapor Deposited Graphene. <i>Chemistry of Materials</i> , 2016 , 28, 3789-3795	9.6	38
148	Unforeseen high temperature and humidity stability of FeCl ₃ intercalated few layer graphene. <i>Scientific Reports</i> , 2015 , 5, 7609	4.9	38
147	Direct Measurement of Resistance of Multiwalled Carbon Nanotubes Using Micro Four-Point Probes. <i>Sensor Letters</i> , 2005 , 3, 300-303	0.9	38
146	Real-time oxide evolution of copper protected by graphene and boron nitride barriers. <i>Scientific Reports</i> , 2017 , 7, 39770	4.9	37
145	Terahertz wafer-scale mobility mapping of graphene on insulating substrates without a gate. <i>Optics Express</i> , 2015 , 23, 30721-9	3.3	37
144	. <i>IEEE Nanotechnology Magazine</i> , 2009 , 8, 76-85	2.6	36
143	Direct Measurement of the Microscale Conductivity of Conjugated Polymer Monolayers. <i>Advanced Materials</i> , 2000 , 12, 947-950	24	36
142	Nonlinear current-voltage characteristics at quantum Hall resistance minima. <i>Physical Review B</i> , 1994 , 50, 1957-1960	3.3	35

141	Non-destructive electrochemical graphene transfer from reusable thin-film catalysts. <i>Carbon</i> , 2015 , 85, 397-405	10.4	34
140	Wafer-Scale Synthesis of Graphene on Sapphire: Toward Fab-Compatible Graphene. <i>Small</i> , 2019 , 15, e1904906	10.4	32
139	In situ TEM creation and electrical characterization of nanowire devices. <i>Nano Letters</i> , 2012 , 12, 2965-70	11.5	32
138	An approach to a multi-walled carbon nanotube based mass sensor. <i>Microelectronic Engineering</i> , 2004 , 73-74, 670-674	2.5	32
137	Catalyst Interface Engineering for Improved 2D Film Lift-Off and Transfer. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 33072-33082	9.5	31
136	Topology optimized electrothermal polysilicon microgrippers. <i>Microelectronic Engineering</i> , 2008 , 85, 1096-1099	2.5	31
135	MICRO-FOUR-POINT PROBES IN A UHV SCANNING ELECTRON MICROSCOPE FOR IN-SITU SURFACE-CONDUCTIVITY MEASUREMENTS. <i>Surface Review and Letters</i> , 2000 , 07, 533-537	1.1	31
134	Fast and direct measurements of the electrical properties of graphene using micro four-point probes. <i>Nanotechnology</i> , 2011 , 22, 445702	3.4	30
133	Review of electrical characterization of ultra-shallow junctions with micro four-point probes. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010 , 28, C1C27-C1C33	1.3	30
132	Comparison of high resolution negative electron beam resists. <i>Journal of Vacuum Science & Technology B</i> , 2006 , 24, 1776		29
131	Quality assessment of terahertz time-domain spectroscopy transmission and reflection modes for graphene conductivity mapping. <i>Optics Express</i> , 2018 , 26, 9220-9229	3.3	27
130	Transfer induced compressive strain in graphene: Evidence from Raman spectroscopic mapping. <i>Microelectronic Engineering</i> , 2014 , 121, 113-117	2.5	27
129	A graphite nanoeraser. <i>Nanotechnology</i> , 2011 , 22, 265706	3.4	27
128	Electrothermal microgrippers for pick-and-place operations. <i>Microelectronic Engineering</i> , 2008 , 85, 1128-1130	1.3	27
127	The conductivity of Bi(111) investigated with nanoscale four point probes. <i>Journal of Applied Physics</i> , 2008 , 104, 053717	2.5	26
126	Epitaxial integration of nanowires in microsystems by local micrometer-scale vapor-phase epitaxy. <i>Small</i> , 2008 , 4, 1741-6	11	26
125	Raman spectral indicators of catalyst decoupling for transfer of CVD grown 2D materials. <i>Carbon</i> , 2017 , 117, 75-81	10.4	25
124	Graphene Edges Dictate the Morphology of Nanoparticles during Catalytic Channeling. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 4296-4302	3.8	24

123	Static contact micro four-point probes with . <i>Microelectronic Engineering</i> , 2008 , 85, 1092-1095	2.5	24
122	Mechanical properties of organic nanofibers. <i>Small</i> , 2006 , 2, 660-6	11	24
121	Resolution enhancement of scanning four-point-probe measurements on two-dimensional systems. <i>Review of Scientific Instruments</i> , 2003 , 74, 3701-3708	1.7	24
120	Micro-four-point-probe characterization of nanowires fabricated using the nanostencil technique. <i>Nanotechnology</i> , 2004 , 15, 1363-1367	3.4	24
119	Periodic magnetoconductance fluctuations in triangular quantum dots in the absence of selective probing. <i>Physical Review B</i> , 1998 , 57, 15408-15415	3.3	24
118	Fabrication of CVD graphene-based devices via laser ablation for wafer-scale characterization. <i>2D Materials</i> , 2015 , 2, 045003	5.9	23
117	Quality assessment of graphene: Continuity, uniformity, and accuracy of mobility measurements. <i>Nano Research</i> , 2017 , 10, 3596-3605	10	22
116	Robust mapping of electrical properties of graphene from terahertz time-domain spectroscopy with timing jitter correction. <i>Optics Express</i> , 2017 , 25, 2725-2732	3.3	22
115	Nanobits: customizable scanning probe tips. <i>Nanotechnology</i> , 2009 , 20, 395703	3.4	22
114	Measurement of local Si-nanowire growth kinetics using in situ transmission electron microscopy of heated cantilevers. <i>Small</i> , 2010 , 6, 2058-64	11	22
113	Microcantilever equipped with nanowire template electrodes for multiprobe measurement on fragile nanostructures. <i>Journal of Applied Physics</i> , 2004 , 96, 2895-2900	2.5	22
112	Quantitative optical mapping of two-dimensional materials. <i>Scientific Reports</i> , 2018 , 8, 6381	4.9	21
111	Conductivity mapping of graphene on polymeric films by terahertz time-domain spectroscopy. <i>Optics Express</i> , 2018 , 26, 17748-17754	3.3	21
110	Self-assembly of ordered graphene nanodot arrays. <i>Nature Communications</i> , 2017 , 8, 47	17.4	21
109	Multi-walled carbon nanotubes integrated in microcantilevers for application of tensile strain. <i>Ultramicroscopy</i> , 2005 , 105, 209-214	3.1	21
108	Facile electrochemical transfer of large-area single crystal epitaxial graphene from Ir(1 1 1). <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 115306	3	20
107	Carbon nanotubes integrated in electrically insulated channels for lab-on-a-chip applications. <i>Nanotechnology</i> , 2009 , 20, 095503	3.4	20
106	Electrical properties of a single p-hexaphenylene nanofiber. <i>Thin Solid Films</i> , 2006 , 515, 827-830	2.2	20

105	Suppression of intrinsic roughness in encapsulated graphene. <i>Physical Review B</i> , 2017 , 96,	3.3	19
104	Electronic and transport properties of kinked graphene. <i>Beilstein Journal of Nanotechnology</i> , 2013 , 4, 103-10	3	19
103	Nanorobotic manipulation setup for pick-and-place handling and nondestructive characterization of carbon nanotubes 2007 ,		19
102	Conductance quantization suppression in the quantum Hall regime. <i>Nature Communications</i> , 2018 , 9, 659	17.4	18
101	Electrical Homogeneity Mapping of Epitaxial Graphene on Silicon Carbide. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31641-31647	9.5	18
100	Challenges for continuous graphene as a corrosion barrier. <i>2D Materials</i> , 2019 , 6, 022002	5.9	17
99	High quality sub-10 nm graphene nanoribbons by on-chip PS-b-PDMS block copolymer lithography. <i>RSC Advances</i> , 2015 , 5, 66711-66717	3.7	17
98	Parametric optimization of inverse trapezoid oleophobic surfaces. <i>Langmuir</i> , 2012 , 28, 17545-51	4	17
97	Manipulation and in situ transmission electron microscope characterization of sub-100 nm nanostructures using a microfabricated nanogripper. <i>Journal of Micromechanics and Microengineering</i> , 2010 , 20, 035009	2	17
96	Batch fabrication of nanopatterned graphene devices via nanoimprint lithography. <i>Applied Physics Letters</i> , 2017 , 111, 193103	3.4	16
95	Graphene oxide as a monoatomic blocking layer. <i>ACS Nano</i> , 2012 , 6, 8022-9	16.7	16
94	A complementary metal-oxide-semiconductor compatible monocantilever 12-point probe for conductivity measurements on the nanoscale. <i>Applied Physics Letters</i> , 2008 , 93, 093104	3.4	16
93	A Graphene-Edge Ferroelectric Molecular Switch. <i>Nano Letters</i> , 2018 , 18, 4675-4683	11.5	15
92	Sensitivity study of micro four-point probe measurements on small samples. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010 , 28, C1C34-C1C40	1.3	15
91	Effects of small-angle scattering on Weiss oscillations in a GaAs lateral superlattice. <i>Physical Review B</i> , 1995 , 51, 7333-7336	3.3	15
90	Sputtering an exterior metal coating on copper enclosure for large-scale growth of single-crystalline graphene. <i>2D Materials</i> , 2017 , 4, 045017	5.9	14
89	Topology optimization of robust superhydrophobic surfaces. <i>Soft Matter</i> , 2013 , 9, 2234	3.6	12
88	Stepwise Reduction of Immobilized Monolayer Graphene Oxides. <i>Chemistry of Materials</i> , 2013 , 25, 4839-4848	4.4	12

87	Directed self-assembled crystalline oligomer domains on graphene and graphite. <i>Nanotechnology</i> , 2014 , 25, 035602	3.4	12
86	Integration, gap formation, and sharpening of III-V heterostructure nanowires by selective etching. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010 , 28, 21-26	1.3	12
85	Fundamental size limitations of micro four-point probes. <i>Microelectronic Engineering</i> , 2009 , 86, 987-990	2.5	12
84	On the suitability of carbon nanotube forests as non-stick surfaces for nanomanipulation. <i>Soft Matter</i> , 2008 , 4, 392-399	3.6	12
83	Electrical conductivity of organic single-nanofiber devices with different contact materials. <i>Organic Electronics</i> , 2007 , 8, 540-544	3.5	12
82	Nanoscale silicon structures by using carbon nanotubes as reactive ion etch masks. <i>Nanotechnology</i> , 2005 , 16, 750-753	3.4	12
81	Controlled generation of luminescent centers in hexagonal boron nitride by irradiation engineering. <i>Science Advances</i> , 2021 , 7,	14.3	12
80	Electrostatics of metal-graphene interfaces: sharp p-n junctions for electron-optical applications. <i>Nanoscale</i> , 2019 , 11, 10273-10281	7.7	11
79	Contactless graphene conductance measurements: the effect of device fabrication on terahertz time-domain spectroscopy. <i>International Journal of Nanotechnology</i> , 2016 , 13, 591	1.5	11
78	Failure of multi-layer graphene coatings in acidic media. <i>RSC Advances</i> , 2016 , 6, 21497-21502	3.7	11
77	Customizable in situ TEM devices fabricated in freestanding membranes by focused ion beam milling. <i>Nanotechnology</i> , 2010 , 21, 405304	3.4	11
76	Microgrippers: a case study for batch-compatible integration of MEMS with nanostructures. <i>Nanotechnology</i> , 2007 , 18, 375501	3.4	11
75	Carbon nanotube forests: a non-stick workbench for nanomanipulation. <i>Nanotechnology</i> , 2006 , 17, 4917-4922	3.4	11
74	Fermi velocity renormalization in graphene probed by terahertz time-domain spectroscopy. <i>2D Materials</i> , 2020 , 7, 035009	5.9	10
73	Ultra-high aspect ratio replaceable AFM tips using deformation-suppressed focused ion beam milling. <i>Nanotechnology</i> , 2013 , 24, 465701	3.4	10
72	Revealing origin of quasi-one dimensional current transport in defect rich two dimensional materials. <i>Applied Physics Letters</i> , 2014 , 105, 053115	3.4	10
71	Vertically aligned CNT growth on a microfabricated silicon heater with integrated temperature control. Determination of the activation energy from a continuous thermal gradient. <i>Journal of Micromechanics and Microengineering</i> , 2011 , 21, 015004	2	10
70	3D mechanical measurements with an atomic force microscope on 1D structures. <i>Review of Scientific Instruments</i> , 2012 , 83, 023704	1.7	10

69	Graphene antidot lattice transport measurements. <i>International Journal of Nanotechnology</i> , 2017 , 14, 226	1.5	9
68	Low-temperature synthesis of a graphene-based, corrosion-inhibiting coating on an industrial grade alloy. <i>Corrosion Science</i> , 2019 , 152, 1-9	6.8	9
67	Defect/oxygen assisted direct write technique for nanopatterning graphene. <i>Nanoscale</i> , 2015 , 7, 6271-77.7		9
66	Investigation of parameters controlling the dielectrophoretic assembly of carbon nanotubes on microelectrodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 1973-8	1.3	9
65	Versatile method for manipulating and contacting nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 1995-9	1.3	8
64	Graphene-Subgrain-Defined Oxidation of Copper. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 48518-48524	1.5	9
63	Oxidation of Suspended Graphene: Etch Dynamics and Stability Beyond 1000 °C. <i>ACS Nano</i> , 2019 , 13, 2281-2288	16.7	7
62	Selective Electroless Silver Deposition on Graphene Edges. <i>Journal of the Electrochemical Society</i> , 2015 , 162, D213-D217	3.9	7
61	High-quality graphene flakes exfoliated on a flat hydrophobic polymer. <i>Applied Physics Letters</i> , 2018 , 112, 033101	3.4	7
60	All-graphene edge contacts: Electrical resistance of graphene T-junctions. <i>Carbon</i> , 2016 , 101, 101-106	10.4	7
59	Large-scale tight-binding simulations of quantum transport in ballistic graphene. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 364001	1.8	7
58	Sensitivity analysis explains quasi-one-dimensional current transport in two-dimensional materials. <i>Physical Review B</i> , 2014 , 90,	3.3	7
57	Graphene electrodes for n-type organic field-effect transistors. <i>Microelectronic Engineering</i> , 2010 , 87, 1120-1122	2.5	7
56	Waferscale assembly of Field-Aligned nanotube Networks (FANs). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006 , 203, 1088-1093	1.6	7
55	Micromanipulation of organic nanofibers for blue light emitting microstructures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006 , 203, 1459-1463	1.6	6
54	Bottom-Up-Etching Mediated Synthesis of Large-Scale Pure Monolayer Graphene on Cyclic-Polishing-Annealed Cu(111). <i>Advanced Materials</i> , 2021 , e2108608	24	6
53	Non-contact mobility measurements of graphene on silicon carbide. <i>Microelectronic Engineering</i> , 2019 , 212, 9-12	2.5	5
52	Electrical characterization of InGaAs ultra-shallow junctions. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010 , 28, C1C41-C1C47	1.3	5

51	Temperature response of carbon nanotube networks. <i>Journal of Physics: Conference Series</i> , 2007 , 61, 247-251	0.3	5
50	Integrating nanotubes into microsystems with electron beam lithography and in situ catalytically activated growth. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006 , 203, 1094-1099	1.6	5
49	A simple electron-beam lithography system. <i>Ultramicroscopy</i> , 2005 , 102, 215-9	3.1	5
48	Magnetic focusing in triangular electron billiards. <i>Physical Review B</i> , 1999 , 59, 13067-13072	3.3	5
47	Reference-free THz-TDS conductivity analysis of thin conducting films. <i>Optics Express</i> , 2020 , 28, 28819-28830	3.3	5
46	Pattern recognition approach to quantify the atomic structure of graphene. <i>Carbon</i> , 2014 , 74, 363-366	10.4	4
45	Black silicon maskless templates for carbon nanotube forests. <i>Microelectronic Engineering</i> , 2013 , 104, 110-113	2.5	4
44	Probing the Gas-Phase Dynamics of Graphene Chemical Vapour Deposition using in-situ UV Absorption Spectroscopy. <i>Scientific Reports</i> , 2017 , 7, 6183	4.9	4
43	Selective etching of III-V nanowires for molecular junctions. <i>Microelectronic Engineering</i> , 2008 , 85, 1179-1181	1.8	4
42	Integration of carbon nanotubes with controllable inclination angle into microsystems. <i>Carbon</i> , 2006 , 44, 3030-3036	10.4	4
41	Nanoscale soldering of positioned carbon nanotubes using highly conductive electron beam induced gold deposition		4
40	Polymer Cantilever Platform for Dielectrophoretic Assembly of Carbon Nanotubes. <i>Sensor Letters</i> , 2004 , 2, 117-120	0.9	4
39	Atomic Layer Deposition Alumina-Mediated Graphene Transfer for Reduced Process Contamination. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13, 1900424	2.5	3
38	Gate electrostatics and quantum capacitance in ballistic graphene devices. <i>Physical Review B</i> , 2019 , 99,	3.3	3
37	Graphene-Si CMOS oscillators. <i>Nanoscale</i> , 2019 , 11, 3619-3625	7.7	3
36	Wafer-scale graphene quality assessment using micro four-point probe mapping. <i>Nanotechnology</i> , 2020 , 31, 225709	3.4	3
35	Design of a micro-cartridge system for the robotic assembly of exchangeable AFM-probe tips 2013 ,		3
34	Out-of-plane bending based on SiN-ion-irradiation and bilayer structures for easy access for micromanipulation. <i>Microelectronic Engineering</i> , 2013 , 110, 398-402	2.5	3

33	Optimization of FIB milling for rapid NEMS prototyping. <i>Microelectronic Engineering</i> , 2011 , 88, 2671-2674.	4.5	3
32	Charge Injection and Transport in Organic Nanofibers. <i>Journal of Physics: Conference Series</i> , 2007 , 61, 565-569	0.3	3
31			3
30	Electronic Shells in Large Quantum Dots 1996 , 89-110		3
29	Super-Resolution Nanolithography of Two-Dimensional Materials by Anisotropic Etching. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 41886-41894	9.5	3
28	Unraveling the electronic properties of graphene with substitutional oxygen. <i>2D Materials</i> ,	5.9	3
27	Transfer of Direct and Moiré Patterns by Reactive Ion Etching Through Ex Situ Fabricated Nanoporous Polymer Masks. <i>Langmuir</i> , 2015 , 31, 6245-52	4	2
26	Carbon mediated reduction of silicon dioxide and growth of copper silicide particles in uniform width channels. <i>Journal of Applied Physics</i> , 2013 , 114, 114303	2.5	2
25	Nanomanipulation of 2 inch wafer fabrication of vertically aligned carbon nanotube arrays by nanoimprint lithography. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011 , 208, 2352-2356	1.6	2
24	Novel four-point-probe design and nanorobotic dual endeffector strategy for electrical characterization of as-grown SWCNT bundles 2010 ,		2
23	Optical detection of ion diffusion in electrochromic poly(3,4-ethylenedioxy)thiophene film using microcantilever electrodes. <i>Thin Solid Films</i> , 2005 , 484, 334-340	2.2	2
22	Atomic Force Microscopy for Liquid Applications 2011 , 29-56		2
21	Selective area oxidation of copper derived from chemical vapor deposited graphene microstructure. <i>Nanotechnology</i> , 2020 , 31, 485603	3.4	2
20	Effective surface conductivity approach for graphene metamaterials based terahertz devices 2013 ,		1
19	Submicron organic nanofiber devices with different anode-cathode materials: A simple approach. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010 , 28, 617-622	1.3	1
18	In Situ Tuning of Focused-Ion-Beam Defined Nanomechanical Resonators Using Joule Heating. <i>Journal of Microelectromechanical Systems</i> , 2011 , 20, 1074-1080	2.5	1
17	Semiconducting III-V nanowires with nanogaps for molecular junctions: DFT transport simulations. <i>Nanotechnology</i> , 2009 , 20, 465401	3.4	1
16	Micro-cantilevers for non-destructive characterization of nanograss uniformity 2011 ,		1

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