

# Jannik C Meyer

## List of Publications by Citations

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161  
papers

27,809  
citations

52  
h-index

166  
g-index

174  
ext. papers

30,282  
ext. citations

7.5  
avg, IF

6.74  
L-index

#	Paper	IF	Citations
161	Raman spectrum of graphene and graphene layers. <i>Physical Review Letters</i> , <b>2006</b> , 97, 187401	7.4	11029
160	The structure of suspended graphene sheets. <i>Nature</i> , <b>2007</b> , 446, 60-3	50.4	4019
159	Graphene at the edge: stability and dynamics. <i>Science</i> , <b>2009</b> , 323, 1705-8	33.3	1042
158	Direct imaging of lattice atoms and topological defects in graphene membranes. <i>Nano Letters</i> , <b>2008</b> , 8, 3582-6	11.5	958
157	Atomic structure of reduced graphene oxide. <i>Nano Letters</i> , <b>2010</b> , 10, 1144-8	11.5	943
156	The two-dimensional phase of boron nitride: Few-atomic-layer sheets and suspended membranes. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 133107	3.4	781
155	From point defects in graphene to two-dimensional amorphous carbon. <i>Physical Review Letters</i> , <b>2011</b> , 106, 105505	7.4	582
154	On the roughness of single- and bi-layer graphene membranes. <i>Solid State Communications</i> , <b>2007</b> , 143, 101-109	1.6	451
153	Selective sputtering and atomic resolution imaging of atomically thin boron nitride membranes. <i>Nano Letters</i> , <b>2009</b> , 9, 2683-9	11.5	436
152	Imaging and dynamics of light atoms and molecules on graphene. <i>Nature</i> , <b>2008</b> , 454, 319-22	50.4	426
151	Accurate measurement of electron beam induced displacement cross sections for single-layer graphene. <i>Physical Review Letters</i> , <b>2012</b> , 108, 196102	7.4	326
150	Growth and properties of few-layer graphene prepared by chemical vapor deposition. <i>Carbon</i> , <b>2010</b> , 48, 1088-1094	10.4	294
149	From graphene constrictions to single carbon chains. <i>New Journal of Physics</i> , <b>2009</b> , 11, 083019	2.9	260
148	Confined linear carbon chains as a route to bulk carbyne. <i>Nature Materials</i> , <b>2016</b> , 15, 634-9	27	250
147	High-Performance Hybrid Electronic Devices from Layered PtSe Films Grown at Low Temperature. <i>ACS Nano</i> , <b>2016</b> , 10, 9550-9558	16.7	245
146	Experimental analysis of charge redistribution due to chemical bonding by high-resolution transmission electron microscopy. <i>Nature Materials</i> , <b>2011</b> , 10, 209-15	27	237
145	Hydrocarbon lithography on graphene membranes. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 123110	3.4	227

144	Direct imaging of a two-dimensional silica glass on graphene. <i>Nano Letters</i> , <b>2012</b> , 12, 1081-6	11.5	206
143	Stone-Wales-type transformations in carbon nanostructures driven by electron irradiation. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	199
142	Electronic properties and atomic structure of graphene oxide membranes. <i>Carbon</i> , <b>2011</b> , 49, 966-972	10.4	190
141	Near-edge x-ray absorption fine-structure investigation of graphene. <i>Physical Review Letters</i> , <b>2008</b> , 101, 066806	7.4	175
140	Transmission electron microscopy at 20 kV for imaging and spectroscopy. <i>Ultramicroscopy</i> , <b>2011</b> , 111, 1239-46	3.1	164
139	Raman modes of index-identified freestanding single-walled carbon nanotubes. <i>Physical Review Letters</i> , <b>2005</b> , 95, 217401	7.4	162
138	Mechanical properties of polycrystalline graphene based on a realistic atomistic model. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	148
137	Raman characterization of platinum diselenide thin films. <i>2D Materials</i> , <b>2016</b> , 3, 021004	5.9	138
136	Graphene oxide: a substrate for optimizing preparations of frozen-hydrated samples. <i>Journal of Structural Biology</i> , <b>2010</b> , 170, 152-6	3.4	130
135	Single-molecule torsional pendulum. <i>Science</i> , <b>2005</b> , 309, 1539-41	33.3	122
134	Size and Purity Control of HPHT Nanodiamonds down to 1 nm. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 27708-27720	3.8	112
133	Scaling properties of charge transport in polycrystalline graphene. <i>Nano Letters</i> , <b>2013</b> , 13, 1730-5	11.5	108
132	Manipulating low-dimensional materials down to the level of single atoms with electron irradiation. <i>Ultramicroscopy</i> , <b>2017</b> , 180, 163-172	3.1	101
131	Atomistic description of electron beam damage in nitrogen-doped graphene and single-walled carbon nanotubes. <i>ACS Nano</i> , <b>2012</b> , 6, 8837-46	16.7	101
130	Silicon-carbon bond inversions driven by 60-keV electrons in graphene. <i>Physical Review Letters</i> , <b>2014</b> , 113, 115501	7.4	99
129	Controlling Catalyst Bulk Reservoir Effects for Monolayer Hexagonal Boron Nitride CVD. <i>Nano Letters</i> , <b>2016</b> , 16, 1250-61	11.5	97
128	Imaging atomic-level random walk of a point defect in graphene. <i>Nature Communications</i> , <b>2014</b> , 5, 3991	17.4	93
127	Reactions of the inner surface of carbon nanotubes and nanoprotusion processes imaged at the atomic scale. <i>Nature Chemistry</i> , <b>2011</b> , 3, 732-7	17.6	74

126	Toward Two-Dimensional All-Carbon Heterostructures via Ion Beam Patterning of Single-Layer Graphene. <i>Nano Letters</i> , <b>2015</b> , 15, 5944-9	11.5	73
125	Transformations of carbon adsorbates on graphene substrates under extreme heat. <i>Nano Letters</i> , <b>2011</b> , 11, 5123-7	11.5	73
124	Nanopore fabrication and characterization by helium ion microscopy. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 163103	3.4	72
123	Unraveling the 3D Atomic Structure of a Suspended Graphene/hBN van der Waals Heterostructure. <i>Nano Letters</i> , <b>2017</b> , 17, 1409-1416	11.5	71
122	Raman active phonons of identified semiconducting single-walled carbon nanotubes. <i>Physical Review Letters</i> , <b>2006</b> , 96, 257401	7.4	70
121	Electron diffraction analysis of individual single-walled carbon nanotubes. <i>Ultramicroscopy</i> , <b>2006</b> , 106, 176-90	3.1	67
120	Graphene: Substrate preparation and introduction. <i>Journal of Structural Biology</i> , <b>2011</b> , 174, 234-8	3.4	66
119	The application of graphene as a sample support in transmission electron microscopy. <i>Solid State Communications</i> , <b>2012</b> , 152, 1375-1382	1.6	65
118	Electron-Beam Manipulation of Silicon Dopants in Graphene. <i>Nano Letters</i> , <b>2018</b> , 18, 5319-5323	11.5	64
117	Direct probe of linearly dispersing 2D interband plasmons in a free-standing graphene monolayer. <i>Europhysics Letters</i> , <b>2012</b> , 97, 57005	1.6	60
116	Versatile Synthesis of Individual Single-Walled Carbon Nanotubes from Nickel Nanoparticles for the Study of Their Physical Properties. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 17112-17118	3.4	56
115	In Situ Observations of Phase Transitions in Metastable Nickel (Carbide)/Carbon Nanocomposites. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 22571-22584	3.8	56
114	Parabolic refractive X-ray lenses. <i>Journal of Synchrotron Radiation</i> , <b>2002</b> , 9, 119-24	2.4	55
113	Nanotomography based on hard x-ray microscopy with refractive lenses. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 1527-1529	3.4	55
112	Single-atom spectroscopy of phosphorus dopants implanted into graphene. <i>2D Materials</i> , <b>2017</b> , 4, 021013	3.9	54
111	A journey from order to disorder - atom by atom transformation from graphene to a 2D carbon glass. <i>Scientific Reports</i> , <b>2014</b> , 4, 4060	4.9	53
110	Towards atomically precise manipulation of 2D nanostructures in the electron microscope. <i>2D Materials</i> , <b>2017</b> , 4, 042004	5.9	52
109	High-yield fabrication and properties of 1.4 nm nanodiamonds with narrow size distribution. <i>Scientific Reports</i> , <b>2016</b> , 6, 38419	4.9	50

108	Electronic structure of carbon nanotubes with ultrahigh curvature. <i>ACS Nano</i> , <b>2010</b> , 4, 4515-22	16.7	49
107	Engineering and modifying two-dimensional materials by electron beams. <i>MRS Bulletin</i> , <b>2017</b> , 42, 667-676	2	48
106	Computational insights and the observation of SiC nanograin assembly: towards 2D silicon carbide. <i>Scientific Reports</i> , <b>2017</b> , 7, 4399	4.9	48
105	Vanishing of the Breit-Wigner-Fano component in individual single-wall carbon nanotubes. <i>Physical Review Letters</i> , <b>2005</b> , 94, 237401	7.4	48
104	Isotope analysis in the transmission electron microscope. <i>Nature Communications</i> , <b>2016</b> , 7, 13040	17.4	47
103	Indexing of individual single-walled carbon nanotubes from Raman spectroscopy. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	47
102	Quantifying transmission electron microscopy irradiation effects using two-dimensional materials. <i>Nature Reviews Physics</i> , <b>2019</b> , 1, 397-405	23.6	45
101	E33 and E44 optical transitions in semiconducting single-walled carbon nanotubes: Electron diffraction and Raman experiments. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	41
100	Optimum HRTEM image contrast at 20 kV and 80 kV--exemplified by graphene. <i>Ultramicroscopy</i> , <b>2012</b> , 112, 39-46	3.1	40
99	Engineering single-atom dynamics with electron irradiation. <i>Science Advances</i> , <b>2019</b> , 5, eaav2252	14.3	39
98	Atomic-Scale in Situ Observations of Crystallization and Restructuring Processes in Two-Dimensional MoS Films. <i>ACS Nano</i> , <b>2018</b> , 12, 8758-8769	16.7	39
97	Cleaning graphene: Comparing heat treatments in air and in vacuum. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2017</b> , 11, 1700124	2.5	39
96	Buckyball sandwiches. <i>Science Advances</i> , <b>2017</b> , 3, e1700176	14.3	38
95	An atomically thin matter-wave beamsplitter. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 845-8	28.7	36
94	Atomic Structure of Intrinsic and Electron-Irradiation-Induced Defects in MoTe. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 1230-1238	9.6	35
93	Towards chirality control of graphene nanoribbons embedded in hexagonal boron nitride. <i>Nature Materials</i> , <b>2021</b> , 20, 202-207	27	35
92	Doping of metal-organic frameworks towards resistive sensing. <i>Scientific Reports</i> , <b>2017</b> , 7, 2439	4.9	34
91	Isolating hydrogen in hexagonal boron nitride bubbles by a plasma treatment. <i>Nature Communications</i> , <b>2019</b> , 10, 2815	17.4	32

90	Polarization-dependent C K near-edge X-ray absorption fine-structure of graphene. <i>Chemical Physics Letters</i> , <b>2009</b> , 475, 269-271	2.5	31
89	Chemical Oxidation of Graphite: Evolution of the Structure and Properties. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 929-935	3.8	30
88	Growth, structure and stability of sputter-deposited MoS thin films. <i>Beilstein Journal of Nanotechnology</i> , <b>2017</b> , 8, 1115-1126	3	30
87	Visualising the strain distribution in suspended two-dimensional materials under local deformation. <i>Scientific Reports</i> , <b>2016</b> , 6, 28485	4.9	29
86	Grain boundary-mediated nanopores in molybdenum disulfide grown by chemical vapor deposition. <i>Nanoscale</i> , <b>2017</b> , 9, 1591-1598	7.7	28
85	Atomic structure from large-area, low-dose exposures of materials: a new route to circumvent radiation damage. <i>Ultramicroscopy</i> , <b>2014</b> , 145, 13-21	3.1	28
84	Transport current improvements of in situ MgB <sub>2</sub> tapes by the addition of carbon nanotubes, silicon carbide or graphite. <i>Superconductor Science and Technology</i> , <b>2007</b> , 20, 105-111	3.1	28
83	Introducing Overlapping Grain Boundaries in Chemical Vapor Deposited Hexagonal Boron Nitride Monolayer Films. <i>ACS Nano</i> , <b>2017</b> , 11, 4521-4527	16.7	27
82	Atomic structure and energetics of large vacancies in graphene. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	27
81	Probing from both sides: reshaping the graphene landscape via face-to-face dual-probe microscopy. <i>Nano Letters</i> , <b>2013</b> , 13, 1934-40	11.5	27
80	Synthesis of individual single-walled carbon nanotube bridges controlled by support micromachining. <i>Journal of Micromechanics and Microengineering</i> , <b>2007</b> , 17, 603-608	2	27
79	Facets of nanotube synthesis: High-resolution transmission electron microscopy study and density functional theory calculations. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	25
78	A study of the effect of different catalysts for the efficient CVD growth of carbon nanotubes on silicon substrates. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2007</b> , 37, 6-10	3	25
77	Transmission electron microscopy and transistor characteristics of the same carbon nanotube. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 2911-2913	3.4	25
76	Investigation of the shift of Raman modes of graphene flakes. <i>Physica Status Solidi (B): Basic Research</i> , <b>2007</b> , 244, 4143-4146	1.3	24
75	Spatial dependence of Raman frequencies in ordered and disordered monolayer graphene. <i>Diamond and Related Materials</i> , <b>2010</b> , 19, 608-613	3.5	23
74	Effect of fluorination on electrical properties of single walled carbon nanotubes and C <sub>60</sub> peapods in networks. <i>Current Applied Physics</i> , <b>2007</b> , 7, 42-46	2.6	23
73	Efficient first principles simulation of electron scattering factors for transmission electron microscopy. <i>Ultramicroscopy</i> , <b>2019</b> , 197, 16-22	3.1	22

72	Direct imaging of light-element impurities in graphene reveals triple-coordinated oxygen. <i>Nature Communications</i> , <b>2019</b> , 10, 4570	17.4	21
71	Electronic transport in composites of graphite oxide with carbon nanotubes. <i>Carbon</i> , <b>2014</b> , 72, 224-232	10.4	20
70	Nitrogen controlled iron catalyst phase during carbon nanotube growth. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 143111	3.4	20
69	High dose efficiency atomic resolution imaging via electron ptychography. <i>Ultramicroscopy</i> , <b>2019</b> , 196, 131-135	3.1	20
68	Transport and TEM on dysprosium metallofullerene peapods. <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, 3430-3434	1.3	19
67	Scanning transmission electron microscopy under controlled low-pressure atmospheres. <i>Ultramicroscopy</i> , <b>2019</b> , 203, 76-81	3.1	18
66	Reduced Graphene Oxide as a Monolithic Multifunctional Conductive Binder for Activated Carbon Supercapacitors. <i>ACS Omega</i> , <b>2018</b> , 3, 9246-9255	3.9	16
65	PacilĒt al. Reply:. <i>Physical Review Letters</i> , <b>2009</b> , 102,	7.4	15
64	Insights into radiation damage from atomic resolution scanning transmission electron microscopy imaging of mono-layer CuPcCl films on graphene. <i>Scientific Reports</i> , <b>2018</b> , 8, 4813	4.9	14
63	Growth and properties of chemically modified graphene. <i>Physica Status Solidi (B): Basic Research</i> , <b>2010</b> , 247, 2915-2919	1.3	14
62	Potassium intercalated multiwalled carbon nanotubes. <i>Carbon</i> , <b>2016</b> , 105, 90-95	10.4	14
61	Atomic-Scale Deformations at the Interface of a Mixed-Dimensional van der Waals Heterostructure. <i>ACS Nano</i> , <b>2018</b> , 12, 8512-8519	16.7	13
60	In situ control of graphene ripples and strain in the electron microscope. <i>Npj 2D Materials and Applications</i> , <b>2018</b> , 2,	8.8	13
59	Simulation of bonding effects in HRTEM images of light element materials. <i>Beilstein Journal of Nanotechnology</i> , <b>2011</b> , 2, 394-404	3	13
58	Graphene-based sample supports for in situ high-resolution TEM electrical investigations. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 055502	3	13
57	Growth and physical properties of individual single-walled carbon nanotubes. <i>Diamond and Related Materials</i> , <b>2005</b> , 14, 1426-1431	3.5	13
56	Electrochemical Behavior of Graphene in a Deep Eutectic Solvent. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 40937-40948	9.5	13
55	Direct visualization of the 3D structure of silicon impurities in graphene. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 053102	3.4	12

54	Vibrational Properties of a Two-Dimensional Silica Kagome Lattice. <i>ACS Nano</i> , <b>2016</b> , 10, 10929-10935	16.7	12
53	Revealing the 3D structure of graphene defects. <i>2D Materials</i> , <b>2018</b> , 5, 045029	5.9	12
52	Graphene-based nanolaminates as ultra-high permeation barriers. <i>Npj 2D Materials and Applications</i> , <b>2017</b> , 1,	8.8	11
51	Towards weighing individual atoms by high-angle scattering of electrons. <i>Ultramicroscopy</i> , <b>2015</b> , 151, 23-30	3.1	11
50	Probing the structure of single-walled carbon nanotubes by resonant Raman scattering. <i>Physica Status Solidi (B): Basic Research</i> , <b>2010</b> , 247, 2762-2767	1.3	11
49	Raman spectroscopy of (n,m)-identified individual single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , <b>2007</b> , 244, 3986-3991	1.3	11
48	Software electron counting for low-dose scanning transmission electron microscopy. <i>Ultramicroscopy</i> , <b>2018</b> , 188, 1-7	3.1	10
47	Reactive intercalation and oxidation at the buried graphene-germanium interface. <i>APL Materials</i> , <b>2019</b> , 7, 071107	5.7	10
46	Combined study of the ground and unoccupied electronic states of graphite by electron energy-loss spectroscopy. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 183716	2.5	10
45	Automated Image Acquisition for Low-Dose STEM at Atomic Resolution. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 809-817	0.5	9
44	Tailoring Electronic and Magnetic Properties of Graphene by Phosphorus Doping. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 34074-34085	9.5	9
43	Bottom-up formation of robust gold carbide. <i>Scientific Reports</i> , <b>2015</b> , 5, 8891	4.9	9
42	Intrinsic core level photoemission of suspended monolayer graphene. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	9
41	A new detection scheme for van der Waals heterostructures, imaging individual fullerenes between graphene sheets, and controlling the vacuum in scanning transmission electron microscopy. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 460-461	0.5	8
40	Using electron beams to investigate carbonaceous materials. <i>Comptes Rendus Physique</i> , <b>2014</b> , 15, 241-257.4	7	7
39	Progress in structure recovery from low dose exposures: Mixed molecular adsorption, exploitation of symmetry and reconstruction from the minimum signal level. <i>Ultramicroscopy</i> , <b>2016</b> , 170, 60-68	3.1	6
38	Structural changes of CAST soot during a thermal-optical measurement protocol. <i>Atmospheric Measurement Techniques</i> , <b>2019</b> , 12, 3503-3519	4	6
37	From atoms to grains: Transmission electron microscopy of graphene. <i>MRS Bulletin</i> , <b>2012</b> , 37, 1214-1221.3.2	3.2	6



36	Direct observation of layer-stacking and oriented wrinkles in multilayer hexagonal boron nitride. <i>2D Materials</i> , <b>2021</b> , 8, 024001	5.9	6
35	Single Indium Atoms and Few-Atom Indium Clusters Anchored onto Graphene via Silicon Heteroatoms. <i>ACS Nano</i> , <b>2021</b> , 15, 14373-14383	16.7	6
34	Highly stable amorphous zinc tin oxynitride thin film transistors under positive bias stress. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 122109	3.4	5
33	Dimensional crossover in the quantum transport behaviour of the natural topological insulator Alekxite. <i>Scientific Reports</i> , <b>2015</b> , 5, 11691	4.9	5
32	Electron Microscopic Studies with Graphene. <i>Microscopy and Microanalysis</i> , <b>2009</b> , 15, 126-127	0.5	5
31	Electronic structure and radial breathing mode for carbon nanotubes with ultra-high curvature. <i>Physica Status Solidi (B): Basic Research</i> , <b>2010</b> , 247, 2774-2778	1.3	5
30	Selective growth of large chiral angle single-walled carbon nanotubes. <i>Diamond and Related Materials</i> , <b>2006</b> , 15, 1019-1022	3.5	5
29	Process Pathway Controlled Evolution of Phase and Van-der-Waals Epitaxy in In/In <sub>2</sub> O <sub>3</sub> on Graphene Heterostructures. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2003300	15.6	4
28	New imaging modes for analyzing suspended ultra-thin membranes by double-tip scanning probe microscopy. <i>Scientific Reports</i> , <b>2020</b> , 10, 4839	4.9	4
27	The structure of a propagating MgAl <sub>2</sub> O <sub>4</sub> /MgO interface: linked atomic- and $\mu$ n-scale mechanisms of interface motion. <i>Philosophical Magazine</i> , <b>2016</b> , 96, 2488-2503	1.6	4
26	Exclusive Substitutional Nitrogen Doping on Graphene Decoupled from an Insulating Substrate. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 22150-22157	3.8	4
25	Chemistry at graphene edges in the electron microscope. <i>2D Materials</i> , <b>2021</b> , 8, 035023	5.9	4
24	Resolving few-layer antimonene/graphene heterostructures. <i>Npj 2D Materials and Applications</i> , <b>2021</b> , 5,	8.8	4
23	Structure evolution of h.c.p./c.c.p. metal oxide interfaces in solid-state reactions. <i>Acta Crystallographica Section A: Foundations and Advances</i> , <b>2018</b> , 74, 466-480	1.7	3
22	Analysis of Point Defects in Graphene Using Low Dose Scanning Transmission Electron Microscopy Imaging and Maximum Likelihood Reconstruction. <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1700176	1.3	3
21	Progress in single-walled carbon nanotube based nanoelectromechanical systems. <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, 3500-3504	1.3	3
20	Towards Exotic Layered Materials: 2D Cuprous Iodide. <i>Advanced Materials</i> , <b>2021</b> , e2106922	24	3
19	Nano-Magnetite Aggregates in Red Soil on Low Magnetic Bedrock, Their Changes During Source-Sink Transfer, and Implications for Paleoclimate Studies. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2020</b> , 125, e2020JB020588	3.6	3

18	Nano-tomography based on hard X-ray microscopy with refractive lenses. <i>European Physical Journal Special Topics</i> , <b>2003</b> , 104, 271-271		2
17	Direct visualization of local deformations in suspended few-layer graphene membranes by coupled in situ atomic force and scanning electron microscopy. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 103104	3.4	2
16	Resolving the controversy. <i>Nature Materials</i> , <b>2018</b> , 17, 210-211	27	1
15	Charge transfer sensitivity and dose efficiency with pixilated detectors and ptychographic phase contrast imaging in STEM <b>2016</b> , 721-722		1
14	The Potential for Greater Clarity Cryo-Electron Microscopy via Ptychography. <i>Microscopy and Microanalysis</i> , <b>2018</b> , 24, 878-879	0.5	1
13	Understanding and Exploiting the Interaction of Electron Beams With Low-dimensional Materials - From Controlled Atomic-level Manipulation to Circumventing Radiation Damage. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 196-197	0.5	1
12	RAMAN SPECTROSCOPY OF ISOLATED SINGLE-WALLED CARBON NANOTUBES <b>2006</b> , 121-122		1
11	Quantifying Elastic and Inelastic Electron Irradiation Damage in Transmission Electron Microscopy of 2D Materials. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 454-455	0.5	0
10	Atom-by-atom chemical identification from scanning transmission electron microscopy images in presence of noise and residual aberrations. <i>Ultramicroscopy</i> , <b>2021</b> , 227, 113292	3.1	0
9	Atomic-scale Chemical Manipulation of Materials in the Scanning Transmission Electron Microscope under Controlled Atmospheres. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 1398-1399	0.5	
8	Interface migration mechanism on Corundum/Spinel/Periclase: atomic study via aberration-corrected STEM <b>2016</b> , 1178-1179		
7	Electron-Beam Manipulation of Lattice Impurities in Graphene and Single-Walled Carbon Nanotubes. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 938-939	0.5	
6	Exploring Low-dimensional Carbon Materials by High-resolution Electron and Scanned Probe Microscopy. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 1147-1148	0.5	
5	Atomic Structure of Amorphous 2D Carbon Structures as Revealed by Scanning Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 997-998	0.5	
4	Irradiation-induced Modifications and Beam-driven Dynamics in Low-dimensional Materials. <i>Microscopy and Microanalysis</i> , <b>2014</b> , 20, 1726-1727	0.5	
3	Detecting and resolving individual adatoms, vacancies, and their dynamics on graphene membranes <b>2008</b> , 37-38		
2	Single indium atoms and few-atom indium clusters anchored onto graphene via silicon heteroatoms. <i>Microscopy and Microanalysis</i> , <b>2021</b> , 27, 3346-3347	0.5	
1	High Dose Efficiency Atomic Resolution Phase Imaging with Electron Ptychography. <i>Microscopy and Microanalysis</i> , <b>2018</b> , 24, 196-197	0.5	

