# Jannik C Meyer

List of Publications by Year
in descending order

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|---|---|---|---|
| 165 papers | 32,369 citations | 22099 59 h-index | 6630 156 g-index |
| 174 all docs | 174 docs citations | 174 times ranked | 35755 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Toward Exotic Layered Materials: 2D Cuprous Iodide. Advanced Materials, 2022, 34, e2106922. | 11.1 | 28 |
| 2 | Aligned Stacking of Nanopatterned 2DÂMaterials for High-Resolution 3DÂDevice Fabrication. ACS Nano, 2022, 16, 1836-1846. | 7.3 | 6 |
| 3 | Towards chirality control of graphene nanoribbons embedded in hexagonal boron nitride. Nature Materials, 2021, 20, 202-207. | 13.3 | 80 |
| 4 | Direct observation of layer-stacking and oriented wrinkles in multilayer hexagonal boron nitride. 2D Materials, 2021, 8, 024001. | 2.0 | 16 |
| 5 | Direct visualization of local deformations in suspended few-layer graphene membranes by coupled in situ atomic force and scanning electron microscopy. Applied Physics Letters, 2021, 118, 103104. | 1.5 | 3 |
| 6 | Chemistry at graphene edges in the electron microscope. 2D Materials, 2021, 8, 035023. | 2.0 | 14 |
| 7 | Resolving few-layer antimonene/graphene heterostructures. Npj 2D Materials and Applications, 2021, 5, . | 3.9 | 11 |
| 8 | Atom-by-atom chemical identification from scanning transmission electron microscopy images in presence of noise and residual aberrations. Ultramicroscopy, 2021, 227, 113292. | 0.8 | 4 |
| 9 | Single indium atoms and few-atom indium clusters anchored onto graphene via silicon heteroatoms. Microscopy and Microanalysis, 2021, 27, 3346-3347. | 0.2 | 0 |
| 10 | Single Indium Atoms and Few-Atom Indium Clusters Anchored onto Graphene via Silicon Heteroatoms. ACS Nano, 2021, 15, 14373-14383. | 7.3 | 19 |
| 11 | Nanoâ€Magnetite Aggregates in Red Soil on Low Magnetic Bedrock, Their Changes During Sourceâ€Sink Transfer, and Implications for Paleoclimate Studies. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020588. | 1.4 | 6 |
| 12 | Electrochemical Behavior of Graphene in a Deep Eutectic Solvent. ACS Applied Materials & Interfaces, 2020, 12, 40937-40948. | 4.0 | 29 |
| 13 | Exclusive Substitutional Nitrogen Doping on Graphene Decoupled from an Insulating Substrate. Journal of Physical Chemistry C, 2020, 124, 22150-22157. | 1.5 | 5 |
| 14 | Process Pathway Controlled Evolution of Phase and Vanâ€derâ€Waals Epitaxy in In/In<sub>2</sub>O<sub>3</sub> on Graphene Heterostructures. Advanced Functional Materials, 2020, 30, 2003300. | 7.8 | 9 |
| 15 | New imaging modes for analyzing suspended ultra-thin membranes by double-tip scanning probe microscopy. Scientific Reports, 2020, 10, 4839. | 1.6 | 5 |
| 16 | Tailoring Electronic and Magnetic Properties of Graphene by Phosphorus Doping. ACS Applied Materials & Interfaces, 2020, 12, 34074-34085. | 4.0 | 20 |
| 17 | Reactive intercalation and oxidation at the buried graphene-germanium interface. APL Materials, 2019, 7, . | 2.2 | 16 |
| 18 | Structural changes of CAST soot during a thermalâ€“optical measurement protocol. Atmospheric Measurement Techniques, 2019, 12, 3503-3519. | 1.2 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Direct imaging of light-element impurities in graphene reveals triple-coordinated oxygen. Nature Communications, 2019, 10, 4570. | 5.8 | 39 |
| 20 | Electron-Beam Manipulation of Lattice Impurities in Graphene and Single-Walled Carbon Nanotubes. Microscopy and Microanalysis, 2019, 25, 938-939. | 0.2 | 0 |
| 21 | Quantifying Elastic and Inelastic Electron Irradiation Damage in Transmission Electron Microscopy of 2D Materials. Microscopy and Microanalysis, 2019, 25, 454-455. | 0.2 | 1 |
| 22 | Atomic-scale Chemical Manipulation of Materials in the Scanning Transmission Electron Microscope under Controlled Atmospheres. Microscopy and Microanalysis, 2019, 25, 1398-1399. | 0.2 | 0 |
| 23 | Direct visualization of the 3D structure of silicon impurities in graphene. Applied Physics Letters, 2019, 114, . | 1.5 | 15 |
| 24 | Isolating hydrogen in hexagonal boron nitride bubbles by a plasma treatment. Nature Communications, 2019, 10, 2815. | 5.8 | 63 |
| 25 | Engineering single-atom dynamics with electron irradiation. Science Advances, 2019, 5, eaav2252. | 4.7 | 61 |
| 26 | Quantifying transmission electron microscopy irradiation effects using two-dimensional materials. Nature Reviews Physics, 2019, 1, 397-405. | 11.9 | 79 |
| 27 | Scanning transmission electron microscopy under controlled low-pressure atmospheres. Ultramicroscopy, 2019, 203, 76-81. | 0.8 | 24 |
| 28 | Efficient first principles simulation of electron scattering factors for transmission electron microscopy. Ultramicroscopy, 2019, 197, 16-22. | 0.8 | 29 |
| 29 | High dose efficiency atomic resolution imaging via electron ptychography. Ultramicroscopy, 2019, 196, 131-135. | 0.8 | 40 |
| 30 | Resolving the controversy. Nature Materials, 2018, 17, 210-211. | 13.3 | 1 |
| 31 | Software electron counting for low-dose scanning transmission electron microscopy. Ultramicroscopy, 2018, 188, 1-7. | 0.8 | 18 |
| 32 | Atomic Structure of Intrinsic and Electron-Irradiation-Induced Defects in MoTe<sub>2</sub>. Chemistry of Materials, 2018, 30, 1230-1238. | 3.2 | 56 |
| 33 | Chemical Oxidation of Graphite: Evolution of the Structure and Properties. Journal of Physical Chemistry C, 2018, 122, 929-935. | 1.5 | 38 |
| 34 | Insights into radiation damage from atomic resolution scanning transmission electron microscopy imaging of mono-layer CuPcCl16 films on graphene. Scientific Reports, 2018, 8, 4813. | 1.6 | 21 |
| 35 | High Dose Efficiency Atomic Resolution Phase Imaging with Electron Ptychography. Microscopy and Microanalysis, 2018, 24, 196-197. | 0.2 | 0 |
| 36 | Revealing the 3D structure of graphene defects. 2D Materials, 2018, 5, 045029. | 2.0 | 14 |

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| 37 | Electron-Beam Manipulation of Silicon Dopants in Graphene. Nano Letters, 2018, 18, 5319-5323. | 4.5 | 98 |
| 38 | Atomic-Scale in Situ Observations of Crystallization and Restructuring Processes in Two-Dimensional MoS<sub>2</sub> Films. ACS Nano, 2018, 12, 8758-8769. | 7.3 | 51 |
| 39 | Atomic-Scale Deformations at the Interface of a Mixed-Dimensional van der Waals Heterostructure. ACS Nano, 2018, 12, 8512-8519. | 7.3 | 19 |
| 40 | Reduced Graphene Oxide as a Monolithic Multifunctional Conductive Binder for Activated Carbon Supercapacitors. ACS Omega, 2018, 3, 9246-9255. | 1.6 | 21 |
| 41 | The Potential for Greater Clarity Cryo-Electron Microscopy via Ptychography. Microscopy and Microanalysis, 2018, 24, 878-879. | 0.2 | 1 |
| 42 | In situ control of graphene ripples and strain in the electron microscope. Npj 2D Materials and Applications, 2018, 2, . | 3.9 | 16 |
| 43 | Structure evolution of h.c.p./c.c.p. metal oxide interfaces in solid-state reactions. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, 466-480. | 0.0 | 5 |
| 44 | Intrinsic core level photoemission of suspended monolayer graphene. Physical Review Materials, 2018, 2, . | 0.9 | 15 |
| 45 | Unraveling the 3D Atomic Structure of a Suspended Graphene/hBN van der Waals Heterostructure. Nano Letters, 2017, 17, 1409-1416. | 4.5 | 84 |
| 46 | Single-atom spectroscopy of phosphorus dopants implanted into graphene. 2D Materials, 2017, 4, 021013. | 2.0 | 77 |
| 47 | Manipulating low-dimensional materials down to the level of single atoms with electron irradiation. Ultramicroscopy, 2017, 180, 163-172. | 0.8 | 135 |
| 48 | Introducing Overlapping Grain Boundaries in Chemical Vapor Deposited Hexagonal Boron Nitride Monolayer Films. ACS Nano, 2017, 11, 4521-4527. | 7.3 | 35 |
| 49 | Automated Image Acquisition for Low-Dose STEM at Atomic Resolution. Microscopy and Microanalysis, 2017, 23, 809-817. | 0.2 | 10 |
| 50 | Buckyball sandwiches. Science Advances, 2017, 3, e1700176. | 4.7 | 50 |
| 51 | Doping of metalâ€“organic frameworks towards resistive sensing. Scientific Reports, 2017, 7, 2439. | 1.6 | 45 |
| 52 | Grain boundary-mediated nanopores in molybdenum disulfide grown by chemical vapor deposition. Nanoscale, 2017, 9, 1591-1598. | 2.8 | 31 |
| 53 | Graphene-based nanolaminates as ultra-high permeation barriers. Npj 2D Materials and Applications, 2017, 1, . | 3.9 | 21 |
| 54 | Highly stable amorphous zinc tin oxynitride thin film transistors under positive bias stress. Applied Physics Letters, 2017, 111, 122109. | 1.5 | 10 |

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| 55 | Engineering and modifying two-dimensional materials by electron beams. MRS Bulletin, 2017, 42, 667-676. | 1.7 | 62 |
| 56 | Towards atomically precise manipulation of 2D nanostructures in the electron microscope. 2D Materials, 2017, 4, 042004. | 2.0 | 73 |
| 57 | Cleaning graphene: Comparing heat treatments in air and in vacuum. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700124. | 1.2 | 61 |
| 58 | Analysis of Point Defects in Graphene Using Low Dose Scanning Transmission Electron Microscopy Imaging and Maximum Likelihood Reconstruction. Physica Status Solidi (B): Basic Research, 2017, 254, 1700176. | 0.7 | 3 |
| 59 | Understanding and Exploiting the Interaction of Electron Beams With Low-dimensional Materials - From Controlled Atomic-level Manipulation to Circumventing Radiation Damage. Microscopy and Microanalysis, 2017, 23, 196-197. | 0.2 | 1 |
| 60 | Computational insights and the observation of SiC nanograin assembly: towards 2D silicon carbide. Scientific Reports, 2017, 7, 4399. | 1.6 | 73 |
| 61 | A new detection scheme for van der Waals heterostructures, imaging individual fullerenes between graphene sheets, and controlling the vacuum in scanning transmission electron microscopy. Microscopy and Microanalysis, 2017, 23, 460-461. | 0.2 | 8 |
| 62 | Growth, structure and stability of sputter-deposited MoS<sub>2</sub> thin films. Beilstein Journal of Nanotechnology, 2017, 8, 1115-1126. | 1.5 | 44 |
| 63 | Visualising the strain distribution in suspended two-dimensional materials under local deformation. Scientific Reports, 2016, 6, 28485. | 1.6 | 37 |
| 64 | High-yield fabrication and properties of 1.4â€‰nm nanodiamonds with narrow size distribution. Scientific Reports, 2016, 6, 38419. | 1.6 | 63 |
| 65 | Nanopore fabrication and characterization by helium ion microscopy. Applied Physics Letters, 2016, 108, . | 1.5 | 96 |
| 66 | Confined linear carbon chains as a route to bulkÂcarbyne. Nature Materials, 2016, 15, 634-639. | 13.3 | 341 |
| 67 | Raman characterization of platinum diselenide thin films. 2D Materials, 2016, 3, 021004. | 2.0 | 172 |
| 68 | Potassium intercalated multiwalled carbon nanotubes. Carbon, 2016, 105, 90-95. | 5.4 | 15 |
| 69 | In Situ Observations of Phase Transitions in Metastable Nickel (Carbide)/Carbon Nanocomposites. Journal of Physical Chemistry C, 2016, 120, 22571-22584. | 1.5 | 80 |
| 70 | High-Performance Hybrid Electronic Devices from Layered PtSe<sub>2</sub> Films Grown at Low Temperature. ACS Nano, 2016, 10, 9550-9558. | 7.3 | 310 |
| 71 | Progress in structure recovery from low dose exposures: Mixed molecular adsorption, exploitation of symmetry and reconstruction from the minimum signal level. Ultramicroscopy, 2016, 170, 60-68. | 0.8 | 8 |
| 72 | The structure of a propagating MgAl<sub>2</sub>O<sub>4</sub>/MgO interface: linked atomic- and Î¼m-scale mechanisms of interface motion. Philosophical Magazine, 2016, 96, 2488-2503. | 0.7 | 6 |

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| 73 | Vibrational Properties of a Two-Dimensional Silica Kagome Lattice. ACS Nano, 2016, 10, 10929-10935. | 7.3 | 18 |
| 74 | Isotope analysis in the transmission electron microscope. Nature Communications, 2016, 7, 13040. | 5.8 | 64 |
| 75 | Controlling Catalyst Bulk Reservoir Effects for Monolayer Hexagonal Boron Nitride CVD. Nano Letters, 2016, 16, 1250-1261. | 4.5 | 114 |
| 76 | Exploring Low-dimensional Carbon Materials by High-resolution Electron and Scanned Probe Microscopy. Microscopy and Microanalysis, 2015, 21, 1147-1148. | 0.2 | 0 |
| 77 | Dimensional crossover in the quantum transport behaviour of the natural topological insulator Aleksite. Scientific Reports, 2015, 5, 11691. | 1.6 | 5 |
| 78 | Atomic Structure of Amorphous 2D Carbon Structures as Revealed by Scanning Transmission Electron Microscopy. Microscopy and Microanalysis, 2015, 21, 997-998. | 0.2 | 0 |
| 79 | Bottom-up formation of robust gold carbide. Scientific Reports, 2015, 5, 8891. | 1.6 | 11 |
| 80 | Toward Two-Dimensional All-Carbon Heterostructures via Ion Beam Patterning of Single-Layer Graphene. Nano Letters, 2015, 15, 5944-5949. | 4.5 | 85 |
| 81 | Towards weighing individual atoms by high-angle scattering of electrons. Ultramicroscopy, 2015, 151, 23-30. | 0.8 | 12 |
| 82 | Size and Purity Control of HPHT Nanodiamonds down to 1 nm. Journal of Physical Chemistry C, 2015, 119, 27708-27720. | 1.5 | 144 |
| 83 | An atomically thin matter-wave beamsplitter. Nature Nanotechnology, 2015, 10, 845-848. | 15.6 | 41 |
| 84 | Nitrogen controlled iron catalyst phase during carbon nanotube growth. Applied Physics Letters, 2014, 105, . | 1.5 | 22 |
| 85 | Irradiation-induced Modifications and Beam-driven Dynamics in Low-dimensional Materials. Microscopy and Microanalysis, 2014, 20, 1726-1727. | 0.2 | 0 |
| 86 | Using electron beams to investigate carbonaceous materials. Comptes Rendus Physique, 2014, 15, 241-257. | 0.3 | 8 |
| 87 | Siliconâ€“Carbon Bond Inversions Driven by 60-keV Electrons in Graphene. Physical Review Letters, 2014, 113, 115501. | 2.9 | 123 |
| 88 | Atomic structure and energetics of large vacancies in graphene. Physical Review B, 2014, 89, . | 1.1 | 30 |
| 89 | Imaging atomic-level random walk of a point defect in graphene. Nature Communications, 2014, 5, 3991. | 5.8 | 103 |
| 90 | Electronic transport in composites of graphite oxide with carbon nanotubes. Carbon, 2014, 72, 224-232. | 5.4 | 22 |

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| 91 | Atomic structure from large-area, low-dose exposures of materials: A new route to circumvent radiation damage. Ultramicroscopy, 2014, 145, 13-21. | 0.8 | 30 |
| 92 | A journey from order to disorder â€" Atom by atom transformation from graphene to a 2D carbon glass. Scientific Reports, 2014, 4, 4060. | 1.6 | 67 |
| 93 | Scaling Properties of Charge Transport in Polycrystalline Graphene. Nano Letters, 2013, 13, 1730-1735. | 4.5 | 126 |
| 94 | Probing from Both Sides: Reshaping the Graphene Landscape via Face-to-Face Dual-Probe Microscopy. Nano Letters, 2013, 13, 1934-1940. | 4.5 | 31 |
| 95 | Combined study of the ground and unoccupied electronic states of graphite by electron energy-loss spectroscopy. Journal of Applied Physics, 2013, 114, . | 1.1 | 12 |
| 96 | From atoms to grains: Transmission electron microscopy of graphene. MRS Bulletin, 2012, 37, 1214-1221. | 1.7 | 10 |
| 97 | Atomistic Description of Electron Beam Damage in Nitrogen-Doped Graphene and Single-Walled Carbon Nanotubes. ACS Nano, 2012, 6, 8837-8846. | 7.3 | 119 |
| 98 | The application of graphene as a sample support in transmission electron microscopy. Solid State Communications, 2012, 152, 1375-1382. | 0.9 | 80 |
| 99 | Accurate Measurement of Electron Beam Induced Displacement Cross Sections for Single-Layer Graphene. Physical Review Letters, 2012, 108, 196102. | 2.9 | 383 |
| 100 | Mechanical properties of polycrystalline graphene based on a realistic atomistic model. Physical Review B, 2012, 85, . | 1.1 | 181 |
| 101 | Direct probe of linearly dispersing 2D interband plasmons in a free-standing graphene monolayer. Europhysics Letters, 2012, 97, 57005. | 0.7 | 68 |
| 102 | Direct Imaging of a Two-Dimensional Silica Glass on Graphene. Nano Letters, 2012, 12, 1081-1086. | 4.5 | 236 |
| 103 | Optimum HRTEM image contrast at 20 kV and 80 kVâ€"Exemplified by graphene. Ultramicroscopy, 2012, 112, 39-46. | 0.8 | 40 |
| 104 | Transformations of Carbon Adsorbates on Graphene Substrates under Extreme Heat. Nano Letters, 2011, 11, 5123-5127. | 4.5 | 83 |
| 105 | Graphene: Substrate preparation and introduction. Journal of Structural Biology, 2011, 174, 234-238. | 1.3 | 84 |
| 106 | From Point Defects in Graphene to Two-Dimensional Amorphous Carbon. Physical Review Letters, 2011, 106, 105505. | 2.9 | 675 |
| 107 | Simulation of bonding effects in HRTEM images of light element materials. Beilstein Journal of Nanotechnology, 2011, 2, 394-404. | 1.5 | 14 |
| 108 | Experimental analysis of charge redistribution dueÂto chemical bonding by high-resolution transmission electron microscopy. Nature Materials, 2011, 10, 209-215. | 13.3 | 270 |

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| 109 | Transmission electron microscopy at 20kV for imaging and spectroscopy. Ultramicroscopy, 2011, 111, 1239-1246. | 0.8 | 178 |
| 110 | Stone-Wales-type transformations in carbon nanostructures driven by electron irradiation. Physical Review B, 2011, 83, . | 1.1 | 226 |
| 111 | Reactions of the inner surface of carbon nanotubes and nanoprotrusion processes imaged at the atomic scale. Nature Chemistry, 2011, 3, 732-737. | 6.6 | 83 |
| 112 | Electronic properties and atomic structure of graphene oxide membranes. Carbon, 2011, 49, 966-972. | 5.4 | 223 |
| 113 | Graphene-based sample supports for in situ high-resolution TEM electrical investigations. Journal Physics D: Applied Physics, 2011, 44, 055502. | 1.3 | 17 |
| 114 | The physics of nano-carbons explored by high-resolution transmission electron microscopy. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C122-C123. | 0.3 | 0 |
| 115 | Growth and properties of few-layer graphene prepared by chemical vapor deposition. Carbon, 2010, 48, 1088-1094. | 5.4 | 333 |
| 116 | Probing the structure of singleâ€walled carbon nanotubes by resonant Raman scattering. Physica Status Solidi (B): Basic Research, 2010, 247, 2762-2767. | 0.7 | 11 |
| 117 | Electronic structure and radial breathing mode for carbon nanotubes with ultraâ€high curvature. Physica Status Solidi (B): Basic Research, 2010, 247, 2774-2778. | 0.7 | 5 |
| 118 | Growth and properties of chemically modified graphene. Physica Status Solidi (B): Basic Research, 2010, 247, 2915-2919. | 0.7 | 15 |
| 119 | Spatial dependence of Raman frequencies in ordered and disordered monolayer graphene. Diamond and Related Materials, 2010, 19, 608-613. | 1.8 | 24 |
| 120 | Electronic Structure of Carbon Nanotubes with Ultrahigh Curvature. ACS Nano, 2010, 4, 4515-4522. | 7.3 | 57 |
| 121 | Atomic Structure of Reduced Graphene Oxide. Nano Letters, 2010, 10, 1144-1148. | 4.5 | 1,076 |
| 122 | Graphene oxide: A substrate for optimizing preparations of frozen-hydrated samples. Journal of Structural Biology, 2010, 170, 152-156. | 1.3 | 155 |
| 123 | Facets of nanotube synthesis: High-resolution transmission electron microscopy study and density functional theory calculations. Physical Review B, 2009, 79, . | 1.1 | 26 |
| 124 | PacilÃ©etÂal.Reply:. Physical Review Letters, 2009, 102, . | 2.9 | 17 |
| 125 | Polarization-dependent C K near-edge X-ray absorption fine-structure of graphene. Chemical Physics Letters, 2009, 475, 269-271. | 1.2 | 33 |
| 126 | Indexing of individual single-walled carbon nanotubes from Raman spectroscopy. Physical Review B, 2009, 80, . | 1.1 | 47 |

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| 127 | Electron Microscopic Studies with Graphene. Microscopy and Microanalysis, 2009, 15, 126-127. | 0.2 | 5 |
| 128 | From graphene constrictions to single carbon chains. New Journal of Physics, 2009, 11, 083019. | 1.2 | 280 |
| 129 | Growth of Large Transparent and Conducting Graphene Sheets Using Chemical Vapor Deposition. ECS Transactions, 2009, 25, 59-61. | 0.3 | 0 |
| 130 | Graphene at the Edge: Stability and Dynamics. Science, 2009, 323, 1705-1708. | 6.0 | 1,153 |
| 131 | Selective Sputtering and Atomic Resolution Imaging of Atomically Thin Boron Nitride Membranes. Nano Letters, 2009, 9, 2683-2689. | 4.5 | 488 |
| 132 | Near-Edge X-Ray Absorption Fine-Structure Investigation of Graphene. Physical Review Letters, 2008, 101, 066806. | 2.9 | 194 |
| 133 | Imaging and dynamics of light atoms and molecules on graphene. Nature, 2008, 454, 319-322. | 13.7 | 475 |
| 134 | Direct Imaging of Lattice Atoms and Topological Defects in Graphene Membranes. Nano Letters, 2008, 8, 3582-3586. | 4.5 | 1,090 |
| 135 | The two-dimensional phase of boron nitride: Few-atomic-layer sheets and suspended membranes. Applied Physics Letters, 2008, 92, . | 1.5 | 895 |
| 136 | Hydrocarbon lithography on graphene membranes. Applied Physics Letters, 2008, 92, . | 1.5 | 252 |
| 137 | Transport current improvements ofin situMgB2tapes by the addition of carbon nanotubes, silicon carbide or graphite. Superconductor Science and Technology, 2007, 20, 105-111. | 1.8 | 30 |
| 138 | Synthesis of individual single-walled carbon nanotube bridges controlled by support micromachining. Journal of Micromechanics and Microengineering, 2007, 17, 603-608. | 1.5 | 29 |
| 139 | E33andE44optical transitions in semiconducting single-walled carbon nanotubes: Electron diffraction and Raman experiments. Physical Review B, 2007, 75, . | 1.1 | 42 |
| 140 | On the roughness of single- and bi-layer graphene membranes. Solid State Communications, 2007, 143, 101-109. | 0.9 | 530 |
| 141 | Effect of fluorination on electrical properties of single walled carbon nanotubes and C60 peapods in networks. Current Applied Physics, 2007, 7, 42-46. | 1.1 | 26 |
| 142 | A study of the effect of different catalysts for the efficient CVD growth of carbon nanotubes on silicon substrates. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 6-10. | 1.3 | 27 |
| 143 | Raman spectroscopy of (n,m)â€identified individual singleâ€walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2007, 244, 3986-3991. | 0.7 | 12 |
| 144 | Investigation of the shift of Raman modes of graphene flakes. Physica Status Solidi (B): Basic Research, 2007, 244, 4143-4146. | 0.7 | 24 |

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| 145 | The structure of suspended graphene sheets. Nature, 2007, 446, 60-63. | 13.7 | 4,511 |
| 146 | Selective growth of large chiral angle single-walled carbon nanotubes. Diamond and Related Materials, 2006, 15, 1019-1022. | 1.8 | 7 |
| 147 | Raman Active Phonons of Identified Semiconducting Single-Walled Carbon Nanotubes. Physical Review Letters, 2006, 96, 257401. | 2.9 | 74 |
| 148 | Transport and TEM on dysprosium metallofullerene peapods. Physica Status Solidi (B): Basic Research, 2006, 243, 3430-3434. | 0.7 | 20 |
| 149 | Progress in single-walled carbon nanotube based nanoelectromechanical systems. Physica Status Solidi (B): Basic Research, 2006, 243, 3500-3504. | 0.7 | 4 |
| 150 | Electron diffraction analysis of individual single-walled carbon nanotubes. Ultramicroscopy, 2006, 106, 176-190. | 0.8 | 71 |
| 151 | Raman Spectrum of Graphene and Graphene Layers. Physical Review Letters, 2006, 97, 187401. | 2.9 | 12,689 |
| 152 | RAMAN SPECTROSCOPY OF ISOLATED SINGLE-WALLED CARBON NANOTUBES. , 2006, , 121-122. | | 1 |
| 153 | Novel freestanding nanotube devices for combining TEM and electron diffraction with Raman and Transport. AIP Conference Proceedings, 2005, , . | 0.3 | 0 |
| 154 | Transport and TEM on the same individual carbon nanotubes and peapods. AIP Conference Proceedings, 2005, , . | 0.3 | 0 |
| 155 | Vanishing of the Breit-Wigner-Fano Component in Individual Single-Wall Carbon Nanotubes. Physical Review Letters, 2005, 94, 237401. | 2.9 | 51 |
| 156 | Raman Modes of Index-Identified Freestanding Single-Walled Carbon Nanotubes. Physical Review Letters, 2005, 95, 217401. | 2.9 | 169 |
| 157 | Growth and physical properties of individual single-walled carbon nanotubes. Diamond and Related Materials, 2005, 14, 1426-1431. | 1.8 | 15 |
| 158 | Single-Molecule Torsional Pendulum. Science, 2005, 309, 1539-1541. | 6.0 | 134 |
| 159 | Electrical Transport in Dy Metallofullerene Peapods. AIP Conference Proceedings, 2004, , . | 0.3 | 0 |
| 160 | Freestanding nanostructures for TEM-combined investigations of nanotubes. AIP Conference Proceedings, 2004, , . | 0.3 | 1 |
| 161 | Transmission electron microscopy and transistor characteristics of the same carbon nanotube. Applied Physics Letters, 2004, 85, 2911-2913. | 1.5 | 27 |
| 162 | Versatile Synthesis of Individual Single-Walled Carbon Nanotubes from Nickel Nanoparticles for the Study of Their Physical Properties. Journal of Physical Chemistry B, 2004, 108, 17112-17118. | 1.2 | 65 |

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| 163 | Nano-tomography based on hard X-ray microscopy with refractive lenses. European Physical Journal Special Topics, 2003, 104, 271-271. | 0.2 | 5 |
| 164 | Nanotomography based on hard x-ray microscopy with refractive lenses. Applied Physics Letters, 2002, 81, 1527-1529. | 1.5 | 63 |
| 165 | Parabolic refractive X-ray lenses. Journal of Synchrotron Radiation, 2002, 9, 119-124. | 1.0 | 87 |