

Angus I Kirkland

List of Publications by Year in descending order

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157
papers

9,516
citations

34016

52
h-index

39575

94
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161
all docs

161
docs citations

161
times ranked

11025
citing authors

#	ARTICLE	IF	CITATIONS
1	General synthesis and definitive structural identification of MN ₄ C ₄ single-atom catalysts with tunable electrocatalytic activities. <i>Nature Catalysis</i> , 2018, 1, 63-72.	16.1	1,476
2	A fundamental look at electrocatalytic sulfur reduction reaction. <i>Nature Catalysis</i> , 2020, 3, 762-770.	16.1	455
3	Discrete Atom Imaging of One-Dimensional Crystals Formed Within Single-Walled Carbon Nanotubes. <i>Science</i> , 2000, 289, 1324-1326.	6.0	407
4	Dislocation-Driven Deformations in Graphene. <i>Science</i> , 2012, 337, 209-212.	6.0	332
5	Spatial control of defect creation in graphene at the nanoscale. <i>Nature Communications</i> , 2012, 3, 1144.	5.8	305
6	Nanogold: A Quantitative Phase Map. <i>ACS Nano</i> , 2009, 3, 1431-1436.	7.3	238
7	Dynamics of Single Fe Atoms in Graphene Vacancies. <i>Nano Letters</i> , 2013, 13, 1468-1475.	4.5	228
8	Atomic Structure and Dynamics of Metal Dopant Pairs in Graphene. <i>Nano Letters</i> , 2014, 14, 3766-3772.	4.5	219
9	Integral atomic layer architectures of 1D crystals inserted into single walled carbon nanotubes. <i>Chemical Communications</i> , 2002, , 1319-1332.	2.2	208
10	Transforming carbon dioxide into jet fuel using an organic combustion-synthesized Fe-Mn-K catalyst. <i>Nature Communications</i> , 2020, 11, 6395.	5.8	161
11	An encapsulated helical one-dimensional cobalt iodide nanostructure. <i>Nature Materials</i> , 2003, 2, 788-791.	13.3	156
12	A new method for the determination of the wave aberration function for high resolution TEM. <i>Ultramicroscopy</i> , 2002, 92, 89-109.	0.8	131
13	Structural Reconstruction of the Graphene Monovacancy. <i>ACS Nano</i> , 2013, 7, 4495-4502.	7.3	131
14	Influence of Shell Thickness and Surface Passivation on PbS/CdS Core/Shell Colloidal Quantum Dot Solar Cells. <i>Chemistry of Materials</i> , 2014, 26, 4004-4013.	3.2	129
15	Atomic Structure and Dynamics of Single Platinum Atom Interactions with Monolayer MoS ₂ . <i>ACS Nano</i> , 2017, 11, 3392-3403.	7.3	126
16	Synthesis and Structural Characterization of Branched Palladium Nanostructures. <i>Advanced Materials</i> , 2009, 21, 2288-2293.	11.1	124
17	Aberration-Corrected Imaging of Active Sites on Industrial Catalyst Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3683-3685.	7.2	117
18	Characterisation of the signal and noise transfer of CCD cameras for electron detection. <i>Microscopy Research and Technique</i> , 2000, 49, 269-280.	1.2	110

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19	Atomic Imaging of Phase Transitions and Morphology Transformations in Nanocrystals. <i>Advanced Materials</i> , 2009, 21, 4992-4995.	11.1	104
20	Goldâ€Palladium Coreâ€Shell Nanocrystals with Size and Shape Control Optimized for Catalytic Performance. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1477-1480.	7.2	104
21	Structural Characterization of Atomically Regulated Nanocrystals Formed within Single-Walled Carbon Nanotubes Using Electron Microscopy. <i>Accounts of Chemical Research</i> , 2002, 35, 1054-1062.	7.6	103
22	Atomic Structure and Spectroscopy of Single Metal (Cr, V) Substitutional Dopants in Monolayer MoS ₂ . <i>ACS Nano</i> , 2016, 10, 10227-10236.	7.3	96
23	Confocal operation of a transmission electron microscope with two aberration correctors. <i>Applied Physics Letters</i> , 2006, 89, 124105.	1.5	92
24	A versatile double aberration-corrected, energy filtered HREM/STEM for materials science. <i>Ultramicroscopy</i> , 2005, 103, 7-15.	0.8	89
25	Materials Advances through Aberration-Corrected Electron Microscopy. <i>MRS Bulletin</i> , 2006, 31, 36-43.	1.7	89
26	Electron ptychographic microscopy for three-dimensional imaging. <i>Nature Communications</i> , 2017, 8, 163.	5.8	89
27	The effects of electron and photon scattering on signal and noise transfer properties of scintillators in CCD cameras used for electron detection. <i>Ultramicroscopy</i> , 1998, 75, 23-33.	0.8	87
28	Crystallization of 2H and 4H PbI ₂ in Carbon Nanotubes of Varying Diameters and Morphologies. <i>Chemistry of Materials</i> , 2006, 18, 2059-2069.	3.2	86
29	Structural changes induced in nanocrystals of binary compounds confined within single walled carbon nanotubes: a brief review. <i>Inorganica Chimica Acta</i> , 2002, 330, 1-12.	1.2	85
30	A Morphology-Selective Copper Organosol. <i>Angewandte Chemie International Edition in English</i> , 1988, 27, 1530-1533.	4.4	84
31	Correlation of Structural and Electronic Properties in a New Low-Dimensional Form of Mercury Telluride. <i>Physical Review Letters</i> , 2006, 96, 215501.	2.9	78
32	Characterisation of the Medipix3 detector for 60 and 80 keV electrons. <i>Ultramicroscopy</i> , 2017, 182, 44-53.	0.8	77
33	Atomic Structure of Graphene Subnanometer Pores. <i>ACS Nano</i> , 2015, 9, 11599-11607.	7.3	75
34	Resolution extension and exit wave reconstruction in complex HREM. <i>Ultramicroscopy</i> , 2004, 98, 99-114.	0.8	72
35	Low-dose phase retrieval of biological specimens using cryo-electron ptychography. <i>Nature Communications</i> , 2020, 11, 2773.	5.8	72
36	â€œIndirectâ€•High-Resolution Transmission Electron Microscopy: Aberration Measurement and Wavefunction Reconstruction. <i>Microscopy and Microanalysis</i> , 2004, 10, 401-413.	0.2	71

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37	Entrapped Single Tungstate Site in Zeolite for Cooperative Catalysis of Olefin Metathesis with Brønsted Acid Site. <i>Journal of the American Chemical Society</i> , 2018, 140, 6661-6667.	6.6	71
38	Atomically Flat Zigzag Edges in Monolayer MoS ₂ by Thermal Annealing. <i>Nano Letters</i> , 2017, 17, 5502-5507.	4.5	70
39	Stability and Dynamics of the Tetravacancy in Graphene. <i>Nano Letters</i> , 2014, 14, 1634-1642.	4.5	68
40	Temperature Dependence of the Reconstruction of Zigzag Edges in Graphene. <i>ACS Nano</i> , 2015, 9, 4786-4795.	7.3	68
41	A new method for the determination of the wave aberration function for high-resolution TEM.. <i>Ultramicroscopy</i> , 2004, 99, 115-123.	0.8	63
42	Atomic-Scale Detection of Organic Molecules Coupled to Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2007, 129, 10966-10967.	6.6	63
43	Molecular nitrogen promotes catalytic hydrodeoxygenation. <i>Nature Catalysis</i> , 2019, 2, 1078-1087.	16.1	63
44	Atomic electrostatic maps of 1D channels in 2D semiconductors using 4D scanning transmission electron microscopy. <i>Nature Communications</i> , 2019, 10, 1127.	5.8	62
45	Resolving strain in carbon nanotubes at the atomic level. <i>Nature Materials</i> , 2011, 10, 958-962.	13.3	61
46	Three-dimensional imaging in double aberration-corrected scanning confocal electron microscopy, Part I.: <i>Ultramicroscopy</i> , 2008, 108, 1558-1566.	0.8	60
47	Atomic Structure of ABC Rhombohedral Stacked Trilayer Graphene. <i>ACS Nano</i> , 2012, 6, 5680-5686.	7.3	59
48	The Morphology and Microstructure of Colloidal Silver and Gold. <i>Angewandte Chemie International Edition in English</i> , 1987, 26, 676-678.	4.4	58
49	On the importance of fifth-order spherical aberration for a fully corrected electron microscope. <i>Ultramicroscopy</i> , 2006, 106, 301-306.	0.8	57
50	Transformations of gold nanoparticles investigated using variable temperature high-resolution transmission electron microscopy. <i>Ultramicroscopy</i> , 2010, 110, 506-516.	0.8	57
51	Atomic structure and formation mechanism of sub-nanometer pores in 2D monolayer MoS ₂ . <i>Nanoscale</i> , 2017, 9, 6417-6426.	2.8	54
52	Ultralong 1D Vacancy Channels for Rapid Atomic Migration during 2D Void Formation in Monolayer MoS ₂ . <i>ACS Nano</i> , 2018, 12, 7721-7730.	7.3	54
53	Multiple beam tilt microscopy for super resolved imaging. <i>Journal of Electron Microscopy</i> , 1997, 46, 11-22.	0.9	51
54	Direct Imaging of the Structure, Relaxation, and Sterically Constrained Motion of Encapsulated Tungsten Polyoxometalate Lindqvist Ions within Carbon Nanotubes. <i>ACS Nano</i> , 2008, 2, 966-976.	7.3	50

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55	A Study of Commercial Nanoparticulate Al_2O_3 Catalyst Supports. ChemCatChem, 2013, 5, 2695-2706.	1.8	50
56	Three-dimensional imaging in double aberration-corrected scanning confocal electron microscopy, Part II: Inelastic scattering. Ultramicroscopy, 2008, 108, 1567-1578.	0.8	47
57	Low-dose aberration corrected cryo-electron microscopy of organic specimens. Ultramicroscopy, 2008, 108, 1636-1644.	0.8	46
58	Nanoscale Energy-Filtered Scanning Confocal Electron Microscopy Using a Double-Aberration-Corrected Transmission Electron Microscope. Physical Review Letters, 2010, 104, 200801.	2.9	46
59	Deterministic electron ptychography at atomic resolution. Physical Review B, 2014, 89, .	1.1	46
60	The development of a 200kV monochromated field emission electron source. Ultramicroscopy, 2014, 140, 37-43.	0.8	46
61	The Role of the Bridging Atom in Stabilizing Odd Numbered Graphene Vacancies. Nano Letters, 2014, 14, 3972-3980.	4.5	44
62	Atomic Resolution Defocused Electron Ptychography at Low Dose with a Fast, Direct Electron Detector. Scientific Reports, 2019, 9, 3919.	1.6	44
63	Detectors—The ongoing revolution in scanning transmission electron microscopy and why this important to material characterization. APL Materials, 2020, 8, .	2.2	44
64	Assessing the precision of strain measurements using electron backscatter diffraction — part 1: Detector assessment. Ultramicroscopy, 2013, 135, 126-135.	0.8	43
65	Aberration measurement using the Ronchigram contrast transfer function. Ultramicroscopy, 2010, 110, 891-898.	0.8	42
66	One-Pot Synthesis of Lithium-Rich Cathode Material with Hierarchical Morphology. Nano Letters, 2016, 16, 7503-7508.	4.5	42
67	A Joint Structural Characterization of Colloidal Platinum by EXAFS and High-Resolution Electron Microscopy. Angewandte Chemie International Edition in English, 1989, 28, 590-593.	4.4	41
68	A composite method for the determination of the chirality of single walled carbon nanotubes. Journal of Microscopy, 2003, 212, 152-157.	0.8	39
69	Bond Length and Charge Density Variations within Extended Arm Chair Defects in Graphene. ACS Nano, 2013, 7, 9860-9866.	7.3	38
70	Controlled formation of closed-edge nanopores in graphene. Nanoscale, 2015, 7, 11602-11610.	2.8	38
71	Inflating Graphene with Atomic Scale Blisters. Nano Letters, 2014, 14, 908-914.	4.5	37
72	Partial Dislocations in Graphene and Their Atomic Level Migration Dynamics. Nano Letters, 2015, 15, 5950-5955.	4.5	37

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73	Electron Ptychographic Diffractive Imaging of Boron Atoms in LaB ₆ Crystals. <i>Scientific Reports</i> , 2017, 7, 2857.	1.6	37
74	Oleylamine Aging of PtNi Nanoparticles Giving Enhanced Functionality for the Oxygen Reduction Reaction. <i>Nano Letters</i> , 2021, 21, 3989-3996.	4.5	37
75	Structural investigation of MoS ₂ core-shell nanoparticles formed by an arc discharge in water. <i>Nanotechnology</i> , 2003, 14, 913-917.	1.3	36
76	Thermally Induced Dynamics of Dislocations in Graphene at Atomic Resolution. <i>ACS Nano</i> , 2015, 9, 10066-10075.	7.3	36
77	Simultaneous Identification of Low and High Atomic Number Atoms in Monolayer 2D Materials Using 4D Scanning Transmission Electron Microscopy. <i>Nano Letters</i> , 2019, 19, 6482-6491.	4.5	36
78	Formation and Healing of Defects in Atomically Thin GaSe and InSe. <i>ACS Nano</i> , 2019, 13, 5112-5123.	7.3	35
79	Phase reconstruction using fast binary 4D STEM data. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	34
80	Experimental evaluation of a spherical aberration-corrected TEM and STEM. <i>Microscopy (Oxford)</i> , 2021, 2021, 10.1093/microm/dqab007.	0.7	33
81	Controlled Radiation Damage and Edge Structures in Boron Nitride Membranes. <i>ACS Nano</i> , 2011, 5, 3977-3986.	7.3	33
82	Combining Theory and Experiment in Determining the Surface Chemistry of Nanocrystals. <i>Chemistry of Materials</i> , 2008, 20, 5460-5463.	3.2	30
83	Electron nanodiffraction using sharply focused parallel probes. <i>Applied Physics Letters</i> , 2007, 90, 151104.	1.5	28
84	Contrast transfer and noise considerations in focused-probe electron ptychography. <i>Ultramicroscopy</i> , 2021, 221, 113189.	0.8	28
85	Structure and growth of colloidal metal particles. <i>Journal of Chemical Physics</i> , 1989, 91, 603-611.	1.2	27
86	Assessing the precision of strain measurements using electron backscatter diffraction Part 2: Experimental demonstration. <i>Ultramicroscopy</i> , 2013, 135, 136-141.	0.8	27
87	Hollow Electron Ptychographic Diffractive Imaging. <i>Physical Review Letters</i> , 2018, 121, 146101.	2.9	27
88	Atomic Structure Imaging Beyond Conventional Resolution Limits in the Transmission Electron Microscope. <i>Physical Review Letters</i> , 2009, 103, 126101.	2.9	26
89	Local Measurement and Computational Refinement of Aberrations for HRTEM. <i>Microscopy and Microanalysis</i> , 2006, 12, 461-468.	0.2	24
90	Structure Determination of Atomically Controlled Crystal Architectures Grown within Single Wall Carbon Nanotubes. <i>Microscopy and Microanalysis</i> , 2005, 11, 401-409.	0.2	23

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91	Structural characterization of interfaces in epitaxial Fe/MgO/Fe magnetic tunnel junctions by transmission electron microscopy. <i>Physical Review B</i> , 2010, 82, .	1.1	22
92	Cation segregation in Nb ₁₆ W ₁₈ O ₉₄ using high angle annular dark field scanning transmission electron microscopy and image processing. <i>Journal of Microscopy</i> , 2002, 206, 1-6.	0.8	21
93	Imaging and Characterization of Molecules and One-Dimensional Crystals Formed within Carbon Nanotubes. <i>MRS Bulletin</i> , 2004, 29, 265-271.	1.7	21
94	Imaging the Active Surfaces of Cerium Dioxide Nanoparticles. <i>ChemPhysChem</i> , 2011, 12, 2397-2399.	1.0	20
95	Impurity induced non-bulk stacking in chemically exfoliated h-BN nanosheets. <i>Nanoscale</i> , 2013, 5, 2290.	2.8	20
96	Calculations of spherical aberration-corrected imaging behaviour. <i>Journal of Electron Microscopy</i> , 2003, 52, 359-364.	0.9	18
97	Observation of octahedral cation coordination on the {111} surfaces of iron oxide nanoparticles. <i>Applied Physics Letters</i> , 2006, 88, 093124.	1.5	18
98	Temperature dependence of atomic vibrations in mono-layer graphene. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	18
99	Imaging Three-Dimensional Elemental Inhomogeneity in Pt-Ni Nanoparticles Using Spectroscopic Single Particle Reconstruction. <i>Nano Letters</i> , 2019, 19, 732-738.	4.5	18
100	Optimal tilt magnitude determination for aberration-corrected super resolution exit wave function reconstruction. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 3755-3771.	1.6	17
101	Effect of amorphous layers on the interpretation of restored exit waves. <i>Ultramicroscopy</i> , 2009, 109, 237-246.	0.8	16
102	Comparisons of Linear and Nonlinear Image Restoration. <i>Microscopy and Microanalysis</i> , 2006, 12, 469-475.	0.2	15
103	High-Resolution TEM and the Application of Direct and Indirect Aberration Correction. <i>Microscopy and Microanalysis</i> , 2008, 14, 60-67.	0.2	15
104	Calculations of HREM image intensity using Monte Carlo integration. <i>Ultramicroscopy</i> , 2005, 104, 271-280.	0.8	14
105	Structural correlation of band-gap modifications induced in mercury telluride by dimensional constraint in single walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3257-3262.	0.7	14
106	Recording low and high spatial frequencies in exit wave reconstructions. <i>Ultramicroscopy</i> , 2013, 133, 26-34.	0.8	14
107	Characterization of grain boundary disconnections in SrTiO ₃ Part II: the influence of superimposed disconnections on image analysis. <i>Journal of Materials Science</i> , 2019, 54, 3710-3725.	1.7	12
108	Quantifying the performance of a hybrid pixel detector with GaAs:Cr sensor for transmission electron microscopy. <i>Ultramicroscopy</i> , 2021, 227, 113298.	0.8	12

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109	Transmission electron microscopy without aberrations: Applications to materials science. <i>Current Applied Physics</i> , 2008, 8, 425-428.	1.1	11
110	$\text{La}_{2@}(18,3)\text{SWNT}$: The Unprecedented Structure of a $\text{La}_{2@}$ Crystal, Encapsulated within a Single-Walled Carbon Nanotube. <i>Microscopy and Microanalysis</i> , 2005, 11, 421-430.	0.2	10
111	Snapshot 3D Electron Imaging of Structural Dynamics. <i>Scientific Reports</i> , 2017, 7, 10839.	1.6	10
112	HREM of the {111} surfaces of iron oxide nanoparticles. <i>Micron</i> , 2006, 37, 389-395.	1.1	9
113	Dose-dependent high-resolution electron ptychography. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	9
114	Platinum supported on pristine and nitrogen-doped bowl-like broken hollow carbon spheres as oxygen reduction reaction catalysts. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 991-1008.	1.5	9
115	Ultrahigh resolution imaging of local structural distortions in intergrowth tungsten bronzes. <i>Ultramicroscopy</i> , 2007, 107, 501-506.	0.8	8
116	Exit wave reconstruction from focal series of HRTEM images, single crystal XRD and total energy studies on $\text{Sb}_{1-x}\text{WO}_{3+y}$ ($x \approx 0.11$). <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2012, 227, 341-349.	0.4	8
117	Exceeding Conventional Resolution Limits in High-Resolution Transmission Electron Microscopy Using Tilted Illumination and Exit-Wave Restoration. <i>Microscopy and Microanalysis</i> , 2010, 16, 409-415.	0.2	7
118	Trainable segmentation for transmission electron microscope images of inorganic nanoparticles. <i>Journal of Microscopy</i> , 2022, 288, 169-184.	0.8	7
119	Direct and Indirect Electron Microscopy of Encapsulated Nanocrystals. <i>Topics in Catalysis</i> , 2002, 21, 139-154.	1.3	6
120	DFT calculations of KI crystals formed within single-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2008, 466, 76-78.	1.2	6
121	Low-Dose Scanning Electron Diffraction Microscopy of Mechanochemically Nanostructured Pharmaceuticals. <i>Microscopy and Microanalysis</i> , 2019, 25, 1746-1747.	0.2	6
122	The characterization of sub-nanometer scale structures within single walled carbon nanotubes. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	5
123	Structural characterization of the $n = 5$ layered perovskite neodymium titanate using high-resolution transmission electron microscopy and image reconstruction. <i>Acta Crystallographica Section B: Structural Science</i> , 2003, 59, 449-455.	1.8	5
124	Aberration measurement of the probe-forming system of an electron microscope using two-dimensional materials. <i>Ultramicroscopy</i> , 2017, 182, 195-204.	0.8	5
125	Low Dose Defocused Probe Electron Ptychography Using a Fast Direct Electron Detector. <i>Microscopy and Microanalysis</i> , 2018, 24, 186-187.	0.2	5
126	Parakeet: a digital twin software pipeline to assess the impact of experimental parameters on tomographic reconstructions for cryo-electron tomography. <i>Open Biology</i> , 2021, 11, 210160.	1.5	5

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127	Exit wave reconstruction of radiation-sensitive materials from low-dose data. Journal of Physics: Conference Series, 2014, 522, 012052.	0.3	4
128	Atomic Resolution Transmission Electron Microscopy. Springer Handbooks, 2019, , 3-47.	0.3	4
129	The application of spherical aberration correction and focal series restoration to high-resolution images of platinum nanocatalyst particles. Journal of Physics: Conference Series, 2006, 26, 25-28.	0.3	3
130	Aberration corrected TEM: current status and future prospects. Journal of Physics: Conference Series, 2008, 126, 012034.	0.3	3
131	High Resolution ExitWave Restoration. Nanostructure Science and Technology, 2012, , 41-72.	0.1	3
132	Fast and Low-dose Electron Ptychography. Microscopy and Microanalysis, 2018, 24, 224-225.	0.2	3
133	Contrast Transfer and Noise Minimization in Electron Ptychography. Microscopy and Microanalysis, 2019, 25, 64-65.	0.2	3
134	Three-dimensional Electron Ptychography of Catalyst Nanoparticles using Combined HAADF STEM and Atom Counting. Microscopy and Microanalysis, 2019, 25, 8-9.	0.2	3
135	The Crystallography of Metal Halides formed within Single Walled Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2000, 633, 14311.	0.1	2
136	HREM of metallized {111} iron oxide nanoparticle surfaces. Journal of Physics: Conference Series, 2006, 26, 191-194.	0.3	2
137	Atomic Resolution Transmission Electron Microscopy. , 2007, , 3-64.		2
138	Toward electron exit wave tomography of amorphous materials at atomic resolution. Journal of Alloys and Compounds, 2012, 536, S94-S98.	2.8	2
139	Observing Structural Dynamics and Measuring Chemical Kinetics in Low Dimensional Materials Using High Speed Imaging. Microscopy and Microanalysis, 2019, 25, 1682-1683.	0.2	2
140	3D Electron Ptychography. Microscopy and Microanalysis, 2019, 25, 1802-1803.	0.2	2
141	Finding phase information in the darkness. Journal of Physics: Conference Series, 2010, 241, 012013.	0.3	1
142	Toward 3D structural information from quantitative electron exit wave analysis. Journal of Physics: Conference Series, 2012, 371, 012057.	0.3	1
143	Imaging Structure and Magnetisation in New Ways Using 4D STEM. Microscopy and Microanalysis, 2018, 24, 180-181.	0.2	1
144	Electron ptychography using an ultrafast direct electron detector. Microscopy and Microanalysis, 2019, 25, 20-21.	0.2	1

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145	Ptychographic Single Particle Analysis for Biological Science. <i>Microscopy and Microanalysis</i> , 2021, 27, 190-192.	0.2	1
146	Band-Gap Modification Induced in HgTe by Dimensional Constraint in Carbon Nanotubes: Effect of Nanotube Diameter on Microstructure. <i>Springer Proceedings in Physics</i> , 2008, , 213-216.	0.1	1
147	Aberration-corrected HREM/STEM for semiconductor research. , 2005, , 177-182.		1
148	Aberration corrected tilt series restoration. <i>Journal of Physics: Conference Series</i> , 2008, 126, 012042.	0.3	0
149	Inside Cover: Imaging the Active Surfaces of Cerium Dioxide Nanoparticles (<i>ChemPhysChem</i> 13/2011). <i>ChemPhysChem</i> , 2011, 12, 2358-2358.	1.0	0
150	Electron Ptychography: From 2D to 3D Reconstructions. <i>Microscopy and Microanalysis</i> , 2017, 23, 346-347.	0.2	0
151	Phase Retrieval Quantitative Comparison Between Tilt-series Imaging in TEM and Position-resolved Coherent Diffractive Imaging in STEM. <i>Microscopy and Microanalysis</i> , 2017, 23, 470-471.	0.2	0
152	Using Advanced STEM Techniques to Unravel Key Issues in the Development of Next-Generation Nanostructures for Energy Storage. <i>Microscopy and Microanalysis</i> , 2017, 23, 1698-1699.	0.2	0
153	STEM and Elemental Analysis by EDS and EELS for Two-dimensional Atomic Structure Containing Au and Cu. <i>Microscopy and Microanalysis</i> , 2019, 25, 1776-1777.	0.2	0
154	Three-Dimensional Imaging of Nanoparticle Chemistry Using Spectroscopic Single Particle Reconstruction. <i>Microscopy and Microanalysis</i> , 2019, 25, 400-401.	0.2	0
155	Low Dose Electron Ptychography for Cryo-biological Imaging. <i>Microscopy and Microanalysis</i> , 2020, 26, 1488-1490.	0.2	0
156	A 3D map of atoms in 2D materials. <i>Nature Materials</i> , 2020, 19, 827-828.	13.3	0
157	Elmar Zeitler (1927â€“2020). <i>Ultramicroscopy</i> , 2021, 229, 113366.	0.8	0