Nancy J Dudney

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144 papers	11,653 citations	55 h-index	107 g-index
156 ext. papers	13,077 ext. citations	8.9 avg, IF	6.55 L-index

#	Paper	IF	Citations
144	Thin-film lithium and lithium-ion batteries. *Solid State Ionics*, **2000**, 135, 33-45	3.3	838
143	Hierarchically Structured Sulfur/Carbon Nanocomposite Material for High-Energy Lithium Battery. *Chemistry of Materials*, **2009**, 21, 4724-4730	9.6	766
142	High electronic conductivity as the origin of lithium dendrite formation within solid electrolytes. *Nature Energy*, **2019**, 4, 187-196	62.3	653
141	Anomalous high ionic conductivity of nanoporous β-Li3PS4. *Journal of the American Chemical Society*, **2013**, 135, 975-8	16.4	537
140	Solid Electrolyte: the Key for High-Voltage Lithium Batteries. *Advanced Energy Materials*, **2015**, 5, 1401408	28.8	419
139	Electrochemically-driven solid-state amorphization in lithium-silicon alloys and implications for lithium storage. *Acta Materialia*, **2003**, 51, 1103-1113	8.4	389
138	Phosphorous Pentasulfide as a Novel Additive for High-Performance Lithium-Sulfur Batteries. *Advanced Functional Materials*, **2013**, 23, 1064-1069	15.6	363
137	Elastic Properties of the Solid Electrolyte Li7La3Zr2O12 (LLZO). *Chemistry of Materials*, **2016**, 28, 197-206	9.6	299
136	Lithium superionic sulfide cathode for all-solid lithium-sulfur batteries. *ACS Nano*, **2013**, 7, 2829-33	16.7	284
135	Interfacial Stability of Li Metal-Solid Electrolyte Elucidated via in Situ Electron Microscopy. *Nano Letters*, **2016**, 16, 7030-7036	11.5	239
134	Lithium polysulfidophosphates: a family of lithium-conducting sulfur-rich compounds for lithium-sulfur batteries. *Angewandte Chemie - International Edition*, **2013**, 52, 7460-3	16.4	233
133	Air-stable, high-conduction solid electrolytes of arsenic-substituted Li4SnS4. *Energy and Environmental Science*, **2014**, 7, 1053-1058	35.4	228
132	Real space mapping of Li-ion transport in amorphous Si anodes with nanometer resolution. *Nano Letters*, **2010**, 10, 3420-5	11.5	215
131	Electrochemical and rate performance study of high-voltage lithium-rich composition: Li1.2Mn0.525Ni0.175Co0.1O2. *Journal of Power Sources*, **2012**, 199, 220-226	8.9	186
130	Electrochemically-driven solid-state amorphization in lithium-metal anodes. *Journal of Power Sources*, **2003**, 119-121, 604-609	8.9	161
129	Nanoscale imaging of fundamental li battery chemistry: solid-electrolyte interphase formation and preferential growth of lithium metal nanoclusters. *Nano Letters*, **2015**, 15, 2011-8	11.5	157
128	In situ ambient pressure X-ray photoelectron spectroscopy studies of lithium-oxygen redox reactions. *Scientific Reports*, **2012**, 2, 715	4.9	154

127	Lithium Diffusion in Li[sub x]CoO[sub 2] (0.45 . *Electrochemical and Solid-State Letters*, **2001**, 4, A74		152
126	Thermal stability and catalytic activity of gold nanoparticles supported on silica. *Journal of Catalysis* , **2009**, 262, 92-101	7.3	150
125	Direct visualization of initial SEI morphology and growth kinetics during lithium deposition by in situ electrochemical transmission electron microscopy. *Chemical Communications*, **2014**, 50, 2104-7	5.8	148
124	Ultrahigh-energy-density microbatteries enabled by new electrode architecture and micropackaging design. *Advanced Materials*, **2010**, 22, E139-44	24	135
123	Interface Limited Lithium Transport in Solid-State Batteries. *Journal of Physical Chemistry Letters*, **2014**, 5, 298-303	6.4	129
122	Addition of a thin-film inorganic solid electrolyte (Lipon) as a protective film in lithium batteries with a liquid electrolyte. *Journal of Power Sources*, **2000**, 89, 176-179	8.9	128
121	Surface chemistry of metal oxide coated lithium manganese nickel oxide thin film cathodes studied by XPS. *Electrochimica Acta*, **2013**, 90, 135-147	6.7	122
120	Surface studies of high voltage lithium rich composition: Li1.2Mn0.525Ni0.175Co0.1O2. *Journal of Power Sources*, **2012**, 216, 179-186	8.9	122
119	Solid electrolyte coated high voltage layered–layered lithium-rich composite cathode: Li1.2Mn0.525Ni0.175Co0.1O2. *Journal of Materials Chemistry A*, **2013**, 1, 5587	13	121
118	Influence of Lithium Salts on the Discharge Chemistry of Li-Air Cells. *Journal of Physical Chemistry Letters*, **2012**, 3, 1242-7	6.4	117
117	Artificial solid electrolyte interphase to address the electrochemical degradation of silicon electrodes. *ACS Applied Materials & Interfaces*, **2014**, 6, 10083-8	9.5	115
116	Gold Nanoparticles Supported on Carbon Nitride: Influence of Surface Hydroxyls on Low Temperature Carbon Monoxide Oxidation. *ACS Catalysis*, **2012**, 2, 1138-1146	13.1	113
115	Electrochemical and Solid-State Lithiation of Graphitic C3N4. *Chemistry of Materials*, **2013**, 25, 503-508	9.6	112
114	Thin Film Micro-Batteries. *Electrochemical Society Interface*, **2008**, 17, 44-48	3.6	112
113	Spectroscopic Characterization of Solid Discharge Products in Li–Air Cells with Aprotic Carbonate Electrolytes. *Journal of Physical Chemistry C*, **2011**, 115, 14325-14333	3.8	110
112	Understanding the Degradation of Silicon Electrodes for Lithium-Ion Batteries Using Acoustic Emission. *Journal of the Electrochemical Society*, **2010**, 157, A1354	3.9	108
111	Mechanical characterization of LiPON films using nanoindentation. *Thin Solid Films*, **2011**, 520, 413-418	2.2	95
110	Decoupling electrochemical reaction and diffusion processes in ionically-conductive solids on the nanometer scale. *ACS Nano*, **2010**, 4, 7349-57	16.7	90

109	Materials science. Using all energy in a battery. *Science*, **2015**, 347, 131-2	33.3	88
108	Resolving the Grain Boundary and Lattice Impedance of Hot-Pressed Li7La3Zr2O12 Garnet Electrolytes. *ChemElectroChem*, **2014**, 1, 375-378	4.3	85
107	Nanoparticles of gold on Al2O3 produced by dc magnetron sputtering. *Journal of Catalysis*, **2005**, 231, 151-158	7.3	83
106	Analysis of thin-film lithium batteries with cathodes of 50 nm to 4 μm thick LiCoO2. *Journal of Power Sources*, **2003**, 119-121, 300-304	8.9	81
105	High voltage stability of LiCoO2 particles with a nano-scale Lipon coating. *Electrochimica Acta*, **2011** , 56, 6573-6580	6.7	79
104	Challenges for and Pathways toward Li-Metal-Based All-Solid-State Batteries. *ACS Energy Letters*,1399-1404	20.1	78
103	Effect of interface modifications on voltage fade in 0.5Li2MnO3·0.5LiNi0.375Mn0.375Co0.25O2 cathode materials. *Journal of Power Sources*, **2014**, 249, 509-514	8.9	74
102	Anomalous Discharge Product Distribution in Lithium-Air Cathodes. *Journal of Physical Chemistry C*, **2012**, 116, 8401-8408	3.8	72
101	Resolving the Amorphous Structure of Lithium Phosphorus Oxynitride (Lipon). *Journal of the American Chemical Society*, **2018**, 140, 11029-11038	16.4	67
100	Direct visualization of solid electrolyte interphase formation in lithium-ion batteries with in situ electrochemical transmission electron microscopy. *Microscopy and Microanalysis*, **2014**, 20, 1029-37	0.5	67
99	An Artificial Solid Electrolyte Interphase Enables the Use of a LiNi0.5 Mn1.5 O4 5 V Cathode with Conventional Electrolytes. *Advanced Energy Materials*, **2013**, 3, 1275-1278	21.8	66
98	Lithium Polysulfidophosphates: A Family of Lithium-Conducting Sulfur-Rich Compounds for Lithium–Sulfur Batteries. *Angewandte Chemie*, **2013**, 125, 7608-7611	3.6	64
97	A high conductivity oxide–sulfide composite lithium superionic conductor. *Journal of Materials Chemistry A*, **2014**, 2, 4111-4116	13	63
96	Fabrication and characterization of Li–Mn–Ni–O sputtered thin film high voltage cathodes for Li-ion batteries. *Journal of Power Sources*, **2012**, 211, 108-118	8.9	62
95	Quantitative electrochemical measurements using in situ ec-S/TEM devices. *Microscopy and Microanalysis*, **2014**, 20, 452-61	0.5	62
94	Role of pH in the Formation of Structurally Stable and Catalytically Active TiO2-Supported Gold Catalysts. *Journal of Physical Chemistry C*, **2009**, 113, 269-280	3.8	62
93	Self-aligned Cu–Si core–shell nanowire array as a high-performance anode for Li-ion batteries. *Journal of Power Sources*, **2012**, 198, 312-317	8.9	61
92	Lithium-Ion Batteries: Solid Electrolyte: the Key for High-Voltage Lithium Batteries (Adv. Energy Mater. 4/2015). *Advanced Energy Materials*, **2015**, 5,	21.8	61

91	Direct mapping of ionic transport in a Si anode on the nanoscale: time domain electrochemical strain spectroscopy study. *ACS Nano*, **2011**, 5, 9682-95	16.7	59
90	Magnetron sputtering of gold nanoparticles onto WO3 and activated carbon. *Catalysis Today*, **2007**, 122, 248-253	5.3	56
89	Facile and scalable fabrication of polymer-ceramic composite electrolyte with high ceramic loadings. *Journal of Power Sources*, **2018**, 390, 153-164	8.9	54
88	High-Voltage Cycling Behavior of Thin-Film LiCoO[sub 2] Cathodes. *Journal of the Electrochemical Society*, **2002**, 149, A1442	3.9	54
87	Local electronic structure variation resulting in Li 'filament' formation within solid electrolytes. *Nature Materials*, **2021**, 20, 1485-1490	27	54
86	Influence of Hydrocarbon and CO2 on the Reversibility of LiO2 Chemistry Using In Situ Ambient Pressure X-ray Photoelectron Spectroscopy. *Journal of Physical Chemistry C*, **2013**, 117, 25948-25954	3.8	53
85	Deposition and Confinement of Li Metal along an Artificial Lipon-Lipon Interface. *ACS Energy Letters*, **2019**, 4, 651-655	20.1	52
84	Design of composite polymer electrolytes for Li ion batteries based on mechanical stability criteria. *Journal of Power Sources*, **2012**, 201, 280-287	8.9	52
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82	Pushing the theoretical limit of Li-CF(x) batteries: a tale of bifunctional electrolyte. *Journal of the American Chemical Society*, **2014**, 136, 6874-7	16.4	51
81	A high-conduction Ge substituted Li3AsS4 solid electrolyte with exceptional low activation energy. *Journal of Materials Chemistry A*, **2014**, 2, 10396-10403	13	51
80	Local detection of activation energy for ionic transport in lithium cobalt oxide. *Nano Letters*, **2012**, 12, 3399-403	11.5	50
79	Advanced Lithium Battery Cathodes Using Dispersed Carbon Fibers as the Current Collector. *Journal of the Electrochemical Society*, **2011**, 158, A1060	3.9	50
78	Characterization and Performance of LiFePO[sub 4] Thin-Film Cathodes Prepared with Radio-Frequency Magnetron-Sputter Deposition. *Journal of the Electrochemical Society*, **2007**, 154, A805	3.9	50
77	Unravelling the Impact of Reaction Paths on Mechanical Degradation of Intercalation Cathodes for Lithium-Ion Batteries. *Journal of the American Chemical Society*, **2015**, 137, 13732-5	16.4	48
76	A three-dimensional interconnected polymer/ceramic composite as a thin film solid electrolyte. *Energy Storage Materials*, **2020**, 26, 242-249	19.4	46
75	A Perspective on Coatings to Stabilize High-Voltage Cathodes: LiMn1.5Ni0.5O4with Sub-Nanometer Lipon Cycled with LiPF6Electrolyte. *Journal of the Electrochemical Society*, **2013**, 160, A3113-A3125	3.9	45
74	Evaluation of the electrochemical stability of graphite foams as current collectors for lead acid batteries. *Journal of Power Sources*, **2006**, 161, 1392-1399	8.9	45

73	Asymmetric Rate Behavior of Si Anodes for Lithium-Ion Batteries: Ultrafast De-Lithiation versus Sluggish Lithiation at High Current Densities. *Advanced Energy Materials*, **2015**, 5, 1401627	21.8	44
72	Degradation mechanisms of lithium-rich nickel manganese cobalt oxide cathode thin films. *RSC Advances*, **2014**, 4, 23364	3.7	39
71	Evolution of Phase Transformation Behavior in Li(Mn1.5Ni0.5)O4 Cathodes Studied By In Situ XRD. *Journal of the Electrochemical Society*, **2011**, 158, A890	3.9	39
70	Nanoindentation of high-purity vapor deposited lithium films: A mechanistic rationalization of diffusion-mediated flow. *Journal of Materials Research*, **2018**, 33, 1347-1360	2.5	39
69	Electrochemical Stability of Carbon Fibers Compared to Aluminum as Current Collectors for Lithium-Ion Batteries. *Journal of the Electrochemical Society*, **2012**, 159, A1652-A1658	3.9	38
68	Determining and Minimizing Resistance for Ion Transport at the Polymer/Ceramic Electrolyte Interface. *ACS Energy Letters*, **2019**, 4, 1080-1085	20.1	37
67	Properties of lithium phosphorus oxynitride (Lipon) for 3D solid-state lithium batteries. *Journal of Materials Research*, **2010**, 25, 1507-1515	2.5	35
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65	Nanoindentation of high-purity vapor deposited lithium films: A mechanistic rationalization of the transition from diffusion to dislocation-mediated flow. *Journal of Materials Research*, **2018**, 33, 1361-1368	2.5	34
64	Mesoscopic Framework Enables Facile Ionic Transport in Solid Electrolytes for Li Batteries. *Advanced Energy Materials*, **2016**, 6, 1600053	21.8	33
63	Electrode architectures for high capacity multivalent conversion compounds: iron (II and III) fluoride. *RSC Advances*, **2014**, 4, 6730	3.7	32
62	Analysis of composite electrolytes with sintered reinforcement structure for energy storage applications. *Journal of Power Sources*, **2013**, 241, 178-185	8.9	30
61	Influence of Support Hydroxides on the Catalytic Activity of Oxidized Gold Clusters. *ChemCatChem*, **2010**, 2, 281-286	5.2	30
60	Electrochemical and electron microscopic characterization of thin-film LiCoO2 cathodes under high-voltage cycling conditions. *Journal of Power Sources*, **2003**, 119-121, 295-299	8.9	29
59	Enhanced Ionic Conduction in AgCl-Al2O3 Composites Induced by Plastic Deformation. *Journal of the American Ceramic Society*, **1987**, 70, 65-68	3.8	29
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57	Nanoindentation of high-purity vapor deposited lithium films: The elastic modulus. *Journal of Materials Research*, **2018**, 33, 1335-1346	2.5	27
56	Formation of Iron Oxyfluoride Phase on the Surface of Nano-Fe3O4 Conversion Compound for Electrochemical Energy Storage. *Journal of Physical Chemistry Letters*, **2013**, 4, 3798-3805	6.4	26

55	Thermophysical properties of LiFePO4 cathodes with carbonized pitch coatings and organic binders: Experiments and first-principles modeling. *Journal of Power Sources*, **2014**, 251, 8-13	8.9	26
54	The possibility of forming a sacrificial anode coating for Mg. *Corrosion Science*, **2014**, 87, 11-14	6.8	25
53	Evidence for the Formation of Nitrogen-Rich Platinum and Palladium Nitride Nanoparticles. *Chemistry of Materials*, **2013**, 25, 4936-4945	9.6	25
52	Study of segmental dynamics and ion transport in polymer–ceramic composite electrolytes by quasi-elastic neutron scattering. *Molecular Systems Design and Engineering*, **2019**, 4, 379-385	4.6	24
51	Modeling of all-solid-state thin-film Li-ion batteries: Accuracy improvement. *Solid State Ionics*, **2019**, 334, 111-116	3.3	23
50	Probing battery chemistry with liquid cell electron energy loss spectroscopy. *Chemical Communications*, **2015**, 51, 16377-80	5.8	23
49	Gas evolution from cathode materials: A pathway to solvent decomposition concomitant to SEI formation. *Journal of Power Sources*, **2013**, 239, 341-346	8.9	23
48	Structure of Spontaneously Formed Solid-Electrolyte Interphase on Lithiated Graphite Determined Using Small-Angle Neutron Scattering. *Journal of Physical Chemistry C*, **2015**, 119, 9816-9823	3.8	21
47	On the mechanisms of stress relaxation and intensification at the lithium/solid-state electrolyte interface. *Journal of Materials Research*, **2019**, 34, 3593-3616	2.5	20
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45	Deposition and Characterization of Li2O–SiO2–P2O5 Thin Films. *Journal of the American Ceramic Society*, **1993**, 76, 929-943	3.8	17
44	Operando NMR and XRD study of chemically synthesized LiCx oxidation in a dry room environment. *Journal of Power Sources*, **2015**, 287, 253-260	8.9	16
43	Mixed Polyanion Glass Cathodes: Iron Phosphate Vanadate Glasses. *Journal of the Electrochemical Society*, **2014**, 161, A2210-A2215	3.9	15
42	Vacuum-tight sample transfer stage for a scanning electron microscopic study of stabilized lithium metal particles. *Journal of Materials Science*, **2012**, 47, 1572-1577	4.3	15
41	In situ stress measurements during electrochemical cycling of lithium-rich cathodes. *Journal of Power Sources*, **2017**, 364, 383-391	8.9	15
40	Handbook of Solid State Batteries. *Materials and Energy*, **2015**,		14
39	Elucidating Interfacial Stability between Lithium Metal Anode and Li Phosphorus Oxynitride via Electron Microscopy. *Nano Letters*, **2021**, 21, 151-157	11.5	14
38	Lithium Transport in an Amorphous LixSi Anode Investigated by Quasi-elastic Neutron Scattering. *Journal of Physical Chemistry C*, **2017**, 121, 11083-11088	3.8	13

37	Polymer–Ceramic Composite Electrolytes for Lithium Batteries: A Comparison between the Single-Ion-Conducting Polymer Matrix and Its Counterpart. *ACS Applied Energy Materials*, **2020**, 3, 8871-8881	6.1	13
36	Dry Synthesis of Lithium Intercalated Graphite Powder and Fiber. *Journal of the Electrochemical Society*, **2014**, 161, A614-A619	3.9	12
35	Evolution of the lithium morphology from cycling of thin film solid state batteries. *Journal of Electroceramics*, **2017**, 38, 222-229	1.5	10
34	Effective conductivity of particulate polymer composite electrolytes using random resistor network method. *Solid State Ionics*, **2011**, 199-200, 44-53	3.3	10
33	Approaches toward lithium metal stabilization. *MRS Bulletin*, **2018**, 43, 752-758	3.2	10
32	Understanding How Structure and Crystallinity Affect Performance in Solid-State Batteries Using a Glass Ceramic LiV3O8 Cathode. *Chemistry of Materials*, **2019**, 31, 6135-6144	9.6	9
31	Graphite Foams for Lithium-Ion Battery Current Collectors. *ECS Transactions*, **2006**, 3, 23-28	1	9
30	A detector for neutron imaging. *IEEE Transactions on Nuclear Science*, **2004**, 51, 1016-1019	1.7	8
29	Multifunctional approaches for safe structural batteries. *Journal of Energy Storage*, **2021**, 40, 102747	7.8	8
28	The use of Magnetron Sputtering for the Production of Heterogeneous Catalysts. *Studies in Surface Science and Catalysis*, **2006**, 71-78	1.8	7
27	Electroanalytical Measurement of Interphase Formation at a Li Metal–Solid Electrolyte Interface. *ACS Energy Letters*, **2020**, 5, 3860-3867	20.1	7
26	Lithium Vanadium Oxide (Li1.1V3O8) Coated with Amorphous Lithium Phosphorous Oxynitride (LiPON): Role of Material Morphology and Interfacial Structure on Resulting Electrochemistry. *Journal of the Electrochemical Society*, **2017**, 164, A1503-A1513	3.9	6
25	Thin Film Rechargeable Lithium Batteries for Implantable Devices. *ASAIO Journal*, **1997**, 43, M647	3.6	6
24	Preparation of Bi Nanowires from the Reaction between Ammonia and Bi1.7V8O16. *Chemistry of Materials*, **2004**, 16, 3348-3351	9.6	6
23	Plasma Synthesis of Spherical Crystalline and Amorphous Electrolyte Nanopowders for Solid-State Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 11570-11578	9.5	4
22	Multifunctional Utilization of Pitch-Coated Carbon Fibers in Lithium-Based Rechargeable Batteries. *Advanced Energy Materials*, **2021**, 11, 2100135	21.8	4
21	Study of the Segmental Dynamics and Ion Transport of Solid Polymer Electrolytes in the Semi-crystalline State. *Frontiers in Chemistry*, **2020**, 8, 592604	5	4
20	Gel composite electrolyte – an effective way to utilize ceramic fillers in lithium batteries. *Journal of Materials Chemistry A*, **2021**, 9, 6555-6566	13	4

19	Resistance to fracture in the glassy solid electrolyte Lipon. *Journal of Materials Research*, **2021**, 36, 787-796	2.9	4
18	Cathode Materials: Phosphorous Pentasulfide as a Novel Additive for High-Performance Lithium-Sulfur Batteries (Adv. Funct. Mater. 8/2013). *Advanced Functional Materials*, **2013**, 23, 918-918	15.6	3
17	Understanding Catalyst Stability through Aberration-Corrected STEM. *Microscopy and Microanalysis*, **2009**, 15, 1408-1409	0.5	3
16	Thin Film Batteries for Energy Harvesting **2009**, 355-363		3
15	Hydration of Sodium □and □?-Aluminas. *Journal of the American Ceramic Society*, **1987**, 70, 816-821	3.8	3
14	Effects of Plasticizer Content and Ceramic Addition on Electrochemical Properties of Cross-Linked Polymer Electrolyte. *Journal of the Electrochemical Society*, **2021**, 168, 050549	3.9	3
13	Comparing the Purity of Rolled versus Evaporated Lithium Metal Films Using X-ray Microtomography. *ACS Energy Letters*, **2022**, 7, 1120-1124	20.1	3
12	In situ Electrochemical TEM for Quantitative Nanoscale Imaging Dynamics of Solid Electrolyte Interphase and Lithium Electrodeposition. *Microscopy and Microanalysis*, **2015**, 21, 2437-2438	0.5	2
11	Mesoporous Carbon Materials as Electrodes for Electrochemical Double-Layer Capacitor. *Materials Research Society Symposia Proceedings*, **2006**, 973, 1		2
10	Challenges for and Pathways Toward Solid-State Batteries **2020**,		2
9	Exploiting the Oxygen Redox Reaction and Crystal-Preferred Orientation in a P3-Type Na2/3Mg1/3Mn2/3O2 Thin-Film Electrode. *Energy & Fuels*, **2020**, 34, 7692-7699	4.1	1
8	Tuning Electrodeposition Parameters for Tailored Nanoparticle Size, Shape, and Morphology: An In Situ ec-STEM Investigation. *Microscopy and Microanalysis*, **2014**, 20, 1506-1507	0.5	1
7	Preparation of thin-film neutron converter foils for imaging detectors. *IEEE Transactions on Nuclear Science*, **2004**, 51, 1034-1038	1.7	1
6	Magnetron Sputtering to Prepare Supported Metal Catalysts **2008**, 347-353		1
5	Ion Transport in Batteries with Polymer Electrolytes1-19		1
4	A □Hidden□Mesoscopic Feature Revealed By Electron Microscopy Could Facilitate Ion Transport In Solid Electrolytes. *Microscopy and Microanalysis*, **2016**, 22, 1308-1309	0.5	
3	In operando Transmission Electron Microscopy Imaging of SEI Formation and Structure in Li-Ion and Li-Metal Batteries. *Microscopy and Microanalysis*, **2014**, 20, 1538-1539	0.5	
2	Integrating Novel Microscopy into Battery Research: From Atomic Resolution to In Situ and Functional Imaging. *Microscopy and Microanalysis*, **2017**, 23, 1998-1999	0.5	

1	In situ Nanoscale Imaging and Spectroscopy of Energy Storage Materials. *Microscopy and Microanalysis*, **2017**, 23, 1964-1965	0.5