Nancy J Dudney

List of Publications by Year in Descending Order

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	Comparing the Purity of Rolled versus Evaporated Lithium Metal Films Using X-ray Microtomography. *ACS Energy Letters*, **2022**, 7, 1120-1124	20.1	3
143	Multifunctional Utilization of Pitch-Coated Carbon Fibers in Lithium-Based Rechargeable Batteries. *Advanced Energy Materials*, **2021**, 11, 2100135	21.8	4
142	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
141	Practical Considerations for Testing Polymer Electrolytes for High-Energy Solid-State Batteries. *ACS Energy Letters*, **2021**, 6, 2240-2247	20.1	18
140	Local electronic structure variation resulting in Li 'filament' formation within solid electrolytes. *Nature Materials*, **2021**, 20, 1485-1490	27	54
139	Elucidating Interfacial Stability between Lithium Metal Anode and Li Phosphorus Oxynitride via Electron Microscopy. *Nano Letters*, **2021**, 21, 151-157	11.5	14
138	Multifunctional approaches for safe structural batteries. *Journal of Energy Storage*, **2021**, 40, 102747	7.8	8
137	Gel composite electrolyte an effective way to utilize ceramic fillers in lithium batteries. *Journal of Materials Chemistry A*, **2021**, 9, 6555-6566	13	4
136	Resistance to fracture in the glassy solid electrolyte Lipon. *Journal of Materials Research*, **2021**, 36, 787-796	2.9	4
135	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
134	Plasma Synthesis of Spherical Crystalline and Amorphous Electrolyte Nanopowders for Solid-State Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 11570-11578	9.5	4
133	Challenges for and Pathways Toward Solid-State Batteries **2020**,		2
132	A three-dimensional interconnected polymer/ceramic composite as a thin film solid electrolyte. *Energy Storage Materials*, **2020**, 26, 242-249	19.4	46
131	Electroanalytical Measurement of Interphase Formation at a Li Metal/Solid Electrolyte Interface. *ACS Energy Letters*, **2020**, 5, 3860-3867	20.1	7
130	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
129	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
128	Determining and Minimizing Resistance for Ion Transport at the Polymer/Ceramic Electrolyte Interface. *ACS Energy Letters*, **2019**, 4, 1080-1085	20.1	37

127	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
126	Deposition and Confinement of Li Metal along an Artificial Lipon–Lipon Interface. *ACS Energy Letters*, **2019**, 4, 651-655	20.1	52
125	Modeling of all-solid-state thin-film Li-ion batteries: Accuracy improvement. *Solid State Ionics*, **2019**, 334, 111-116	3.3	23
124	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
123	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
122	High electronic conductivity as the origin of lithium dendrite formation within solid electrolytes. *Nature Energy*, **2019**, 4, 187-196	62.3	653
121	Facile and scalable fabrication of polymer-ceramic composite electrolyte with high ceramic loadings. *Journal of Power Sources*, **2018**, 390, 153-164	8.9	54
120	Resolving the Amorphous Structure of Lithium Phosphorus Oxynitride (Lipon). *Journal of the American Chemical Society*, **2018**, 140, 11029-11038	16.4	67
119	Approaches toward lithium metal stabilization. *MRS Bulletin*, **2018**, 43, 752-758	3.2	10
118	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
117	Nanoindentation of high-purity vapor deposited lithium films: The elastic modulus. *Journal of Materials Research*, **2018**, 33, 1335-1346	2.5	27
116	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
115	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
114	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
113	Evolution of the lithium morphology from cycling of thin film solid state batteries. *Journal of Electroceramics*, **2017**, 38, 222-229	1.5	10
112	In situ stress measurements during electrochemical cycling of lithium-rich cathodes. *Journal of Power Sources*, **2017**, 364, 383-391	8.9	15
111	Integrating Novel Microscopy into Battery Research: From Atomic Resolution to In Situ and Functional Imaging. *Microscopy and Microanalysis*, **2017**, 23, 1998-1999	0.5	
110	In situ Nanoscale Imaging and Spectroscopy of Energy Storage Materials. *Microscopy and Microanalysis*, **2017**, 23, 1964-1965	0.5	

109	A Hidden Mesoscopic Feature Revealed By Electron Microscopy Could Facilitate Ion Transport In Solid Electrolytes. *Microscopy and Microanalysis*, **2016**, 22, 1308-1309	0.5	
108	Mesoscopic Framework Enables Facile Ionic Transport in Solid Electrolytes for Li Batteries. *Advanced Energy Materials*, **2016**, 6, 1600053	21.8	33
107	Elastic Properties of the Solid Electrolyte Li7La3Zr2O12 (LLZO). *Chemistry of Materials*, **2016**, 28, 197-206	9.6	299
106	Interfacial Stability of Li Metal-Solid Electrolyte Elucidated via in Situ Electron Microscopy. *Nano Letters*, **2016**, 16, 7030-7036	11.5	239
105	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
104	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
103	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
102	Probing battery chemistry with liquid cell electron energy loss spectroscopy. *Chemical Communications*, **2015**, 51, 16377-80	5.8	23
101	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
100	Solid Electrolyte: the Key for High-Voltage Lithium Batteries. *Advanced Energy Materials*, **2015**, 5, 1401408	21.8	419
99	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
98	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
97	Materials science. Using all energy in a battery. *Science*, **2015**, 347, 131-2	33.3	88
96	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
95	Handbook of Solid State Batteries. *Materials and Energy*, **2015**,		14
94	Resolving the Grain Boundary and Lattice Impedance of Hot-Pressed Li7La3Zr2O12 Garnet Electrolytes. *ChemElectroChem*, **2014**, 1, 375-378	4.3	85
93	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
92	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

91	Air-stable, high-conduction solid electrolytes of arsenic-substituted Li4SnS4. *Energy and Environmental Science*, **2014**, 7, 1053-1058	35.4	228
90	Mixed Polyanion Glass Cathodes: Iron Phosphate Vanadate Glasses. *Journal of the Electrochemical Society*, **2014**, 161, A2210-A2215	3.9	15
89	Electrode architectures for high capacity multivalent conversion compounds: iron (II and III) fluoride. *RSC Advances*, **2014**, 4, 6730	3.7	32
88	Interface Limited Lithium Transport in Solid-State Batteries. *Journal of Physical Chemistry Letters*, **2014**, 5, 298-303	6.4	129
87	A high conductivity oxide–sulfide composite lithium superionic conductor. *Journal of Materials Chemistry A*, **2014**, 2, 4111-4116	13	63
86	The possibility of forming a sacrificial anode coating for Mg. *Corrosion Science*, **2014**, 87, 11-14	6.8	25
85	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
84	Artificial solid electrolyte interphase to address the electrochemical degradation of silicon electrodes. *ACS Applied Materials & Interfaces*, **2014**, 6, 10083-8	9.5	115
83	A high-conduction Ge substituted Li3AsS4 solid electrolyte with exceptional low activation energy. *Journal of Materials Chemistry A*, **2014**, 2, 10396-10403	13	51
82	Degradation mechanisms of lithium-rich nickel manganese cobalt oxide cathode thin films. *RSC Advances*, **2014**, 4, 23364	3.7	39
81	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
80	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	
79	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
78	Quantitative electrochemical measurements using in situ ec-S/TEM devices. *Microscopy and Microanalysis*, **2014**, 20, 452-61	0.5	62
77	Dry Synthesis of Lithium Intercalated Graphite Powder and Fiber. *Journal of the Electrochemical Society*, **2014**, 161, A614-A619	3.9	12
76	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
75	Phosphorous Pentasulfide as a Novel Additive for High-Performance Lithium-Sulfur Batteries. *Advanced Functional Materials*, **2013**, 23, 1064-1069	15.6	363
74	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

73	Analysis of composite electrolytes with sintered reinforcement structure for energy storage applications. *Journal of Power Sources*, **2013**, 241, 178-185	8.9	30
72	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
71	Influence of Hydrocarbon and CO2 on the Reversibility of Li□O2 Chemistry Using In Situ Ambient Pressure X-ray Photoelectron Spectroscopy. *Journal of Physical Chemistry C*, **2013**, 117, 25948-25954	3.8	53
70	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
69	In situ atomic force microscopy studies on lithium (de)intercalation-induced morphology changes in LixCoO2 micro-machined thin film electrodes. *Journal of Power Sources*, **2013**, 222, 417-425	8.9	34
68	Anomalous high ionic conductivity of nanoporous □Li3PS4. *Journal of the American Chemical Society*, **2013**, 135, 975-8	16.4	537
67	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
66	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
65	Lithium superionic sulfide cathode for all-solid lithium-sulfur batteries. *ACS Nano*, **2013**, 7, 2829-33	16.7	284
64	Electrochemical and Solid-State Lithiation of Graphitic C3N4. *Chemistry of Materials*, **2013**, 25, 503-508	9.6	112
63	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
62	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
61	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
60	Evidence for the Formation of Nitrogen-Rich Platinum and Palladium Nitride Nanoparticles. *Chemistry of Materials*, **2013**, 25, 4936-4945	9.6	25
59	Lithium Polysulfidophosphates: A Family of Lithium-Conducting Sulfur-Rich Compounds for Lithium□Sulfur Batteries. *Angewandte Chemie*, **2013**, 125, 7608-7611	3.6	64
58	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
57	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
56	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

55	Fabrication and characterization of LiMnNiO sputtered thin film high voltage cathodes for Li-ion batteries. *Journal of Power Sources*, **2012**, 211, 108-118	8.9	62
54	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
53	Local detection of activation energy for ionic transport in lithium cobalt oxide. *Nano Letters*, **2012**, 12, 3399-403	11.5	50
52	Surface studies of high voltage lithium rich composition: Li1.2Mn0.525Ni0.175Co0.1O2. *Journal of Power Sources*, **2012**, 216, 179-186	8.9	122
51	In situ ambient pressure X-ray photoelectron spectroscopy studies of lithium-oxygen redox reactions. *Scientific Reports*, **2012**, 2, 715	4.9	154
50	Anomalous Discharge Product Distribution in Lithium-Air Cathodes. *Journal of Physical Chemistry C*, **2012**, 116, 8401-8408	3.8	72
49	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
48	Influence of Lithium Salts on the Discharge Chemistry of Li-Air Cells. *Journal of Physical Chemistry Letters*, **2012**, 3, 1242-7	6.4	117
47	Intrinsic Surface Stability in LiMn2NixO4(x = 0.45, 0.5) High Voltage Spinel Materials for Lithium Ion Batteries. *Electrochemical and Solid-State Letters*, **2012**, 15, A72		27
46	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
45	Spectroscopic Characterization of Solid Discharge Products in LiAir Cells with Aprotic Carbonate Electrolytes. *Journal of Physical Chemistry C*, **2011**, 115, 14325-14333	3.8	110
44	Advanced Lithium Battery Cathodes Using Dispersed Carbon Fibers as the Current Collector. *Journal of the Electrochemical Society*, **2011**, 158, A1060	3.9	50
43	Effective conductivity of particulate polymer composite electrolytes using random resistor network method. *Solid State Ionics*, **2011**, 199-200, 44-53	3.3	10
42	Mechanical characterization of LiPON films using nanoindentation. *Thin Solid Films*, **2011**, 520, 413-418	2.2	95
41	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
40	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
39	Current Collectors for Rechargeable Li-Air Batteries. *Journal of the Electrochemical Society*, **2011**, 158, A658	3.9	52
38	High voltage stability of LiCoO2 particles with a nano-scale Lipon coating. *Electrochimica Acta*, **2011**, 56, 6573-6580	6.7	79

37	Properties of lithium phosphorus oxynitride (Lipon) for 3D solid-state lithium batteries. *Journal of Materials Research*, **2010**, 25, 1507-1515	2.5	35
36	Real space mapping of Li-ion transport in amorphous Si anodes with nanometer resolution. *Nano Letters*, **2010**, 10, 3420-5	11.5	215
35	Decoupling electrochemical reaction and diffusion processes in ionically-conductive solids on the nanometer scale. *ACS Nano*, **2010**, 4, 7349-57	16.7	90
34	Understanding the Degradation of Silicon Electrodes for Lithium-Ion Batteries Using Acoustic Emission. *Journal of the Electrochemical Society*, **2010**, 157, A1354	3.9	108
33	Influence of Support Hydroxides on the Catalytic Activity of Oxidized Gold Clusters. *ChemCatChem*, **2010**, 2, 281-286	5.2	30
32	Ultrahigh-energy-density microbatteries enabled by new electrode architecture and micropackaging design. *Advanced Materials*, **2010**, 22, E139-44	24	135
31	Thermal stability and catalytic activity of gold nanoparticles supported on silica. *Journal of Catalysis* , **2009**, 262, 92-101	7.3	150
30	Understanding Catalyst Stability through Aberration-Corrected STEM. *Microscopy and Microanalysis*, **2009**, 15, 1408-1409	0.5	3
29	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
28	Thin Film Batteries for Energy Harvesting **2009**, 355-363		3
27	Hierarchically Structured Sulfur/Carbon Nanocomposite Material for High-Energy Lithium Battery. *Chemistry of Materials*, **2009**, 21, 4724-4730	9.6	766
26	Thin Film Micro-Batteries. *Electrochemical Society Interface*, **2008**, 17, 44-48	3.6	112
25	Magnetron Sputtering to Prepare Supported Metal Catalysts **2008**, 347-353		1
24	Magnetron sputtering of gold nanoparticles onto WO3 and activated carbon. *Catalysis Today*, **2007**, 122, 248-253	5.3	56
23	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
22	Graphite Foams for Lithium-Ion Battery Current Collectors. *ECS Transactions*, **2006**, 3, 23-28	1	9
21	The use of Magnetron Sputtering for the Production of Heterogeneous Catalysts. *Studies in Surface Science and Catalysis*, **2006**, 71-78	1.8	7
20	Mesoporous Carbon Materials as Electrodes for Electrochemical Double-Layer Capacitor. *Materials Research Society Symposia Proceedings*, **2006**, 973, 1		2

19	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
18	Nanoparticles of gold on Al2O3 produced by dc magnetron sputtering. *Journal of Catalysis*, **2005**, 231, 151-158	7.3	83
17	Preparation of thin-film neutron converter foils for imaging detectors. *IEEE Transactions on Nuclear Science*, **2004**, 51, 1034-1038	1.7	1
16	Preparation of Bi Nanowires from the Reaction between Ammonia and Bi1.7V8O16. *Chemistry of Materials*, **2004**, 16, 3348-3351	9.6	6
15	A detector for neutron imaging. *IEEE Transactions on Nuclear Science*, **2004**, 51, 1016-1019	1.7	8
14	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
13	Analysis of thin-film lithium batteries with cathodes of 50 nm to 4 m thick LiCoO2. *Journal of Power Sources*, **2003**, 119-121, 300-304	8.9	81
12	Electrochemically-driven solid-state amorphization in lithium metal anodes. *Journal of Power Sources*, **2003**, 119-121, 604-609	8.9	161
11	Electrochemically-driven solid-state amorphization in lithium-silicon alloys and implications for lithium storage. *Acta Materialia*, **2003**, 51, 1103-1113	8.4	389
10	High-Voltage Cycling Behavior of Thin-Film LiCoO[sub 2] Cathodes. *Journal of the Electrochemical Society*, **2002**, 149, A1442	3.9	54
9	Lithium Diffusion in Li[sub x]CoO[sub 2] (0.45 . *Electrochemical and Solid-State Letters*, **2001**, 4, A74		152
8	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
7	Thin-film lithium and lithium-ion batteries. *Solid State Ionics*, **2000**, 135, 33-45	3.3	838
6	Thin Film Rechargeable Lithium Batteries for Implantable Devices. *ASAIO Journal*, **1997**, 43, M647	3.6	6
5	Deposition and Characterization of Li2O SiO2 P2O5 Thin Films. *Journal of the American Ceramic Society*, **1993**, 76, 929-943	3.8	17
4	Enhanced Ionic Conduction in AgCl-Al2O3 Composites Induced by Plastic Deformation. *Journal of the American Ceramic Society*, **1987**, 70, 65-68	3.8	29
3	Hydration of Sodium and -Aluminas. *Journal of the American Ceramic Society*, **1987**, 70, 816-821	3.8	3
2	Challenges for and Pathways toward Li-Metal-Based All-Solid-State Batteries. *ACS Energy Letters*,1399-1404	20.1	78