

Daniel M Seo

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,481
citations

331538

21
h-index

552653

26
g-index

26
all docs

26
docs citations

26
times ranked

2759
citing authors

#	ARTICLE	IF	CITATIONS
1	Concentrated electrolytes: decrypting electrolyte properties and reassessing Al corrosion mechanisms. <i>Energy and Environmental Science</i> , 2014, 7, 416-426.	15.6	332
2	Electrolyte Solvation and Ionic Association II. Acetonitrile-Lithium Salt Mixtures: Highly Dissociated Salts. <i>Journal of the Electrochemical Society</i> , 2012, 159, A1489-A1500.	1.3	269
3	Role of Solution Structure in Solid Electrolyte Interphase Formation on Graphite with LiPF ₆ in Propylene Carbonate. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25381-25389.	1.5	228
4	Role of Mixed Solvation and Ion Pairing in the Solution Structure of Lithium Ion Battery Electrolytes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 14038-14046.	1.5	224
5	Systematic Investigation of Binders for Silicon Anodes: Interactions of Binder with Silicon Particles and Electrolytes and Effects of Binders on Solid Electrolyte Interphase Formation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12211-12220.	4.0	204
6	Electrolyte Solvation and Ionic Association. <i>Journal of the Electrochemical Society</i> , 2012, 159, A553-A565.	1.3	170
7	Electrolyte Solvation and Ionic Association III. Acetonitrile-Lithium Salt Mixtures—Transport Properties. <i>Journal of the Electrochemical Society</i> , 2013, 160, A1061-A1070.	1.3	136
8	Solvate Structures and Spectroscopic Characterization of LiTFSI Electrolytes. <i>Journal of Physical Chemistry B</i> , 2014, 118, 13601-13608.	1.2	121
9	Capacity Fading Mechanisms of Silicon Nanoparticle Negative Electrodes for Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2015, 162, A2325-A2330.	1.3	120
10	Electrolyte Solvation and Ionic Association. <i>Journal of the Electrochemical Society</i> , 2014, 161, A2042-A2053.	1.3	104
11	An Alternative Ionic Conductivity Mechanism for Plastic Crystalline Salt—Lithium Salt Electrolyte Mixtures. <i>Advanced Energy Materials</i> , 2012, 2, 1343-1350.	10.2	80
12	Solvate Structures and Computational/Spectroscopic Characterization of LiPF ₆ Electrolytes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8492-8500.	1.5	79
13	Combined quantum chemical/Raman spectroscopic analyses of Li ⁺ cation solvation: Cyclic carbonate solvents—Ethylene carbonate and propylene carbonate. <i>Journal of Power Sources</i> , 2014, 267, 821-830.	4.0	71
14	Improved Cycling Performance of a Si Nanoparticle Anode Utilizing Citric Acid as a Surface-Modifying Agent. <i>Langmuir</i> , 2017, 33, 9254-9261.	1.6	59
15	Electrolyte Solvation and Ionic Association. <i>Journal of the Electrochemical Society</i> , 2013, 160, A2100-A2110.	1.3	43
16	Li ⁺ cation coordination by acetonitrile—insights from crystallography. <i>RSC Advances</i> , 2012, 2, 8014.	1.7	39
17	Lithium Salt Effects on Silicon Electrode Performance and Solid Electrolyte Interphase (SEI) Structure, Role of Solution Structure on SEI Formation. <i>Journal of the Electrochemical Society</i> , 2017, 164, A2082-A2088.	1.3	38
18	Solvate Structures and Computational/Spectroscopic Characterization of LiBF ₄ Electrolytes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 18377-18386.	1.5	37

#	ARTICLE	IF	CITATIONS
19	Electrolyte Solvation and Ionic Association. Journal of the Electrochemical Society, 2015, 162, A501-A510.	1.3	32
20	Structural Interactions within Lithium Salt Solvates: Cyclic Carbonates and Esters. Journal of Physical Chemistry C, 2014, 118, 25884-25889.	1.5	28
21	Structural Interactions within Lithium Salt Solvates: Acyclic Carbonates and Esters. Journal of Physical Chemistry C, 2015, 119, 7022-7027.	1.5	22
22	Electrolyte Solvation and Ionic Association. VII. Correlating Raman Spectroscopic Data with Solvate Species. Journal of the Electrochemical Society, 2020, 167, 110551.	1.3	16
23	Electrolyte Solvation and Ionic Association: VIII. Reassessing Raman Spectroscopic Studies of Ion Coordination for LiTFSI. Journal of the Electrochemical Society, 2022, 169, 060515.	1.3	13
24	Tetrakis(acetonitrile- $\hat{\text{N}}$)lithium hexafluoridophosphate acetonitrile monosolvate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m1148-m1148.	0.2	6
25	Poly[bis(acetonitrile- $\hat{\text{N}}$)bis[$\hat{\text{I}}^{1/4}$ -3-bis(trifluoromethanesulfonyl)imido- $\hat{\text{N}}^4\text{O}$, $\text{O}\hat{\text{O}}^2\hat{\text{O}}\hat{\text{O}}^2\hat{\text{O}}\hat{\text{O}}^2\hat{\text{O}}\hat{\text{O}}^2\hat{\text{O}}\hat{\text{O}}^2$]dilithium]. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m534-m534.	0.2	5
26	Poly[[acetonitrile]lithium(I)]- $\hat{\text{I}}^{1/4}$ -3-tetrafluoridoborato]. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m547-m547.	0.2	5