# Steve G Greenbaum

List of Publications by Year
in descending order



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|---|---|---|---|
| 127 papers | 6,287 citations | 81900 39 h-index | 74163 75 g-index |
| 131 all docs | 131 docs citations | 131 times ranked | 7123 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Fluorine-donating electrolytes enable highly reversible 5-V-class Li metal batteries. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1156-1161. | 7.1 | 512 |
| 2 | Hybrid Aqueous/Non-aqueous Electrolyte for Safe and High-Energy Li-Ion Batteries. Joule, 2018, 2, 927-937. | 24.0 | 303 |
| 3 | An Iodide-Based Li<sub>7</sub>P<sub>2</sub>S<sub>8</sub>I Superionic Conductor. Journal of the American Chemical Society, 2015, 137, 1384-1387. | 13.7 | 298 |
| 4 | Liquid Structure with Nano-Heterogeneity Promotes Cationic Transport in Concentrated Electrolytes. ACS Nano, 2017, 11, 10462-10471. | 14.6 | 283 |
| 5 | Understanding Li<sup>+</sup>â€“Solvent Interaction in Nonaqueous Carbonate Electrolytes with <sup>17</sup>O NMR. Journal of Physical Chemistry Letters, 2013, 4, 1664-1668. | 4.6 | 268 |
| 6 | Copper-coordinated cellulose ion conductors for solid-state batteries. Nature, 2021, 598, 590-596. | 27.8 | 262 |
| 7 | Polymeric peptide pigments with sequence-encoded properties. Science, 2017, 356, 1064-1068. | 12.6 | 244 |
| 8 | Polymer Capacitor Dielectrics for High Temperature Applications. ACS Applied Materials & Interfaces, 2018, 10, 29189-29218. | 8.0 | 220 |
| 9 | Countersolvent Electrolytes for Lithiumâ€Metal Batteries. Advanced Energy Materials, 2020, 10, 1903568. | 19.5 | 200 |
| 10 | A 63 m Superconcentrated Aqueous Electrolyte for High-Energy Li-Ion Batteries. ACS Energy Letters, 2020, 5, 968-974. | 17.4 | 197 |
| 11 | Irreversible Capacities of Graphite in Lowâ€Temperature Electrolytes for Lithiumâ€Ion Batteries. Journal of the Electrochemical Society, 1999, 146, 3963-3969. | 2.9 | 173 |
| 12 | Solvation behavior of carbonate-based electrolytes in sodium ion batteries. Physical Chemistry Chemical Physics, 2017, 19, 574-586. | 2.8 | 152 |
| 13 | High Field Multinuclear NMR Investigation of the SEI Layer in Lithium Rechargeable Batteries. Electrochemical and Solid-State Letters, 2005, 8, A145. | 2.2 | 131 |
| 14 | Fundamental Limitations of Ionic Conductivity in Polymerized Ionic Liquids. Macromolecules, 2018, 51, 8637-8645. | 4.8 | 103 |
| 15 | Comparative Study of Ether-Based Electrolytes for Application in Lithiumâ€“Sulfur Battery. ACS Applied Materials & Interfaces, 2015, 7, 13859-13865. | 8.0 | 95 |
| 16 | A structural, spectroscopic and electrochemical study of a lithium ion conducting Li10GeP2S12 solid electrolyte. Journal of Power Sources, 2013, 229, 117-122. | 7.8 | 84 |
| 17 | NMR Studies of Mass Transport in High-Acid-Content Fuel Cell Membranes Based on Phosphoric Acid and Polybenzimidazole. Journal of the Electrochemical Society, 2007, 154, B242. | 2.9 | 76 |
| 18 | New battery strategies with a polymer/Al2O3 separator. Journal of Power Sources, 2014, 263, 52-58. | 7.8 | 74 |

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|---|---|---|---|
| 19 | A simple approach for making a viable, safe, and high-performances lithium-sulfur battery. Journal of Power Sources, 2018, 377, 26-35. | 7.8 | 67 |
| 20 | Lithium sulfur and lithium oxygen batteries: new frontiers of sustainable energy storage. Sustainable Energy and Fuels, 2017, 1, 228-247. | 4.9 | 66 |
| 21 | Defect chemistry and electrical properties of garnet-type Li<sub>7</sub>La<sub>3</sub>Zr<sub>2</sub>O<sub>12</sub>. Physical Chemistry Chemical Physics, 2018, 20, 1447-1459. | 2.8 | 64 |
| 22 | Mass transport of phosphoric acid in water: A 1H and 31P pulsed gradient spin-echo nuclear magnetic resonance study. Journal of Chemical Physics, 2000, 112, 8515-8521. | 3.0 | 62 |
| 23 | Lithium-Ion-Conducting Electrolytes: From an Ionic Liquid to the Polymer Membrane. Journal of the Electrochemical Society, 2009, 156, A514. | 2.9 | 62 |
| 24 | Studies of Water in Nafion Membranes: Using Deuteron and Oxygenâ€17 Nuclear Magnetic Resonance, and Dielectric Relaxation Techniques. Journal of the Electrochemical Society, 1993, 140, 889-895. | 2.9 | 60 |
| 25 | Structural Evolution and Li Dynamics in Nanophase Li<sub>3</sub>PS<sub>4</sub> by Solid-State and Pulsed-Field Gradient NMR. Chemistry of Materials, 2014, 26, 3558-3564. | 6.7 | 60 |
| 26 | Dielectric relaxation and deuteron NMR of water in polyimide films. Journal of Applied Physics, 1989, 66, 5290-5296. | 2.5 | 59 |
| 27 | Cation only conduction in new polymerâ€“SiO2 nanohybrids: Na+ electrolytes. Journal of Materials Chemistry A, 2013, 1, 8348. | 10.3 | 57 |
| 28 | Lithiumâ€7 Nuclear Magnetic Resonance Investigation of Lithium Insertion in Hard Carbon. Journal of the Electrochemical Society, 1998, 145, 1179-1183. | 2.9 | 54 |
| 29 | A Key concept in Magnesium Secondary Battery Electrolytes. ChemSusChem, 2015, 8, 3069-3076. | 6.8 | 54 |
| 30 | Polyethylene glycol dimethyl ether (PEGDME)-based electrolyte for lithium metal battery. Journal of Power Sources, 2015, 299, 460-464. | 7.8 | 52 |
| 31 | D.s.c., electrical conductivity, and n.m.r. studies of salt precipitation effects in PPO complexes. British Polymer Journal, 1988, 20, 195-198. | 0.7 | 50 |
| 32 | A New Class of Lithium Hybrid Gel Electrolyte Systems. Journal of Physical Chemistry B, 2004, 108, 18832-18844. | 2.6 | 50 |
| 33 | Characterization of single walled carbon nanotube: Polyvinylene difluoride composites. Composites Science and Technology, 2006, 66, 1280-1284. | 7.8 | 48 |
| 34 | Ionic conductivity in solid, crosslinked dimethylsiloxaneâ€ethylene oxide copolymer networks containing sodium. Journal of Applied Physics, 1986, 60, 1342-1345. | 2.5 | 47 |
| 35 | Connection between Lithium Coordination and Lithium Diffusion in [Pyr<sub>12O1</sub>][FTFSI] Ionic Liquid Electrolytes. ChemSusChem, 2018, 11, 1981-1989. | 6.8 | 46 |
| 36 | High Pressure NMR Study of Water Self-Diffusion in NAFION-117 Membrane. Journal of Physical Chemistry B, 2004, 108, 4260-4262. | 2.6 | 42 |

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| 37 | Evolution of microscopic heterogeneity and dynamics in choline chloride-based deep eutectic solvents. Nature Communications, 2022, 13, 219. | 12.8 | 42 |
| 38 | NMR Characterization of Composite Polymer Membranes for Low-Humidity PEM Fuel Cells. Journal of the Electrochemical Society, 2007, 154, B466. | 2.9 | 40 |
| 39 | Interactions between water and 1-butyl-1-methylpyrrolidinium ionic liquids. Journal of Chemical Physics, 2015, 143, 064503. | 3.0 | 40 |
| 40 | Polymeric Î´-MgCl2 nanoribbons. Inorganica Chimica Acta, 2006, 359, 2513-2518. | 2.4 | 39 |
| 41 | Characteristics of glyme electrolytes for sodium battery: nuclear magnetic resonance and electrochemical study. Electrochimica Acta, 2017, 231, 223-229. | 5.2 | 39 |
| 42 | Anisotropic Ion Diffusion and Electrochemically Driven Transport in Nanostructured Block Copolymer Electrolytes. Journal of Physical Chemistry B, 2018, 122, 1537-1544. | 2.6 | 39 |
| 43 | Graphene oxide and sulfonated-derivative: Proton transport properties and electrochemical behavior of Nafion-based nanocomposites. Electrochimica Acta, 2019, 297, 240-249. | 5.2 | 37 |
| 44 | Recent progress in NMR spectroscopy of polymer electrolytes for lithium batteries. Current Opinion in Colloid and Interface Science, 2013, 18, 228-244. | 7.4 | 35 |
| 45 | Influence of Solvent on Ion Aggregation and Transport in PY<sub>15</sub>TFSI Ionic Liquidâ€“Aprotic Solvent Mixtures. Journal of Physical Chemistry B, 2013, 117, 10581-10588. | 2.6 | 35 |
| 46 | Multiscale and Multimodal Characterization of 2D Titanium Carbonitride MXene. Advanced Materials Interfaces, 2020, 7, 1902207. | 3.7 | 35 |
| 47 | Ion transport and association study of glyme-based electrolytes with lithium and sodium salts. Electrochimica Acta, 2019, 304, 239-245. | 5.2 | 33 |
| 48 | Solvation Dynamics of Wet Ethaline: Water is the Magic Component. Journal of Physical Chemistry B, 2021, 125, 8888-8901. | 2.6 | 32 |
| 49 | 29Si solid state MAS NMR study on leaching behaviors and chemical stability of different Mg-silicate structures for CO2 sequestration. Chemical Engineering Journal, 2020, 396, 125204. | 12.7 | 31 |
| 50 | Bulk and interfacial ionic conduction in LiI/Al2O3 mixtures. Solid State Ionics, 1998, 113-115, 477-485. | 2.7 | 30 |
| 51 | Enhancement of proton mobility and mitigation of methanol crossover in sPEEK fuel cells by an organically modified titania nanofiller. Journal of Solid State Electrochemistry, 2016, 20, 1585-1598. | 2.5 | 30 |
| 52 | Review of Recent Nuclear Magnetic Resonance Studies of Ion Transport in Polymer Electrolytes. Membranes, 2018, 8, 120. | 3.0 | 30 |
| 53 | NMR Relaxometry and Diffusometry Analysis of Dynamics in Ionic Liquids and Ionogels for Use in Lithium-Ion Batteries. Journal of Physical Chemistry B, 2020, 124, 6843-6856. | 2.6 | 30 |
| 54 | Chemical and Electrical Dynamics of Polyimide Film Damaged by Electron Radiation. IEEE Transactions on Plasma Science, 2017, 45, 2573-2577. | 1.3 | 29 |

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| 55 | Subsurface diffusion of oxide electrolyte decomposition products in metal fluoride nanocomposite electrodes. Electrochimica Acta, 2013, 88, 735-744. | 5.2 | 28 |
| 56 | Glyme-based electrolytes: suitable solutions for next-generation lithium batteries. Green Chemistry, 2022, 24, 1021-1048. | 9.0 | 28 |
| 57 | NMR investigation of water and methanol mobility in nanocomposite fuel cell membranes. Ionics, 2008, 14, 243-253. | 2.4 | 27 |
| 58 | A sobering examination of the feasibility of aqueous aluminum batteries. Energy and Environmental Science, 2022, 15, 2460-2469. | 30.8 | 27 |
| 59 | NMR studies of water in polyimide films. Journal of Polymer Science, Part B: Polymer Physics, 1995, 33, 403-409. | 2.1 | 26 |
| 60 | Solid Polymer-in-Ceramic Electrolyte Formed by Electrophoretic Deposition. Journal of the Electrochemical Society, 2015, 162, D3084-D3089. | 2.9 | 26 |
| 61 | Natural Abundance Oxygen-17 NMR Investigation of Lithium Ion Solvation in Glyme-based Electrolytes. Electrochimica Acta, 2016, 213, 606-612. | 5.2 | 26 |
| 62 | Carbon Composites for a Highâ€Energy Lithiumâ€“Sulfur Battey with a Glymeâ€Based Electrolyte. ChemElectroChem, 2017, 4, 209-215. | 3.4 | 26 |
| 63 | Correlating Li<sup>+</sup>-Solvation Structure and its Electrochemical Reaction Kinetics with Sulfur in Subnano Confinement. Journal of Physical Chemistry Letters, 2018, 9, 1739-1745. | 4.6 | 26 |
| 64 | Li-Ion Diffusion in Nanoconfined LiBH<sub>4</sub>-LiI/Al<sub>2</sub>O<sub>3</sub>: From 2D Bulk Transport to 3D Long-Range Interfacial Dynamics. ACS Applied Materials & Interfaces, 2020, 12, 38570-38583. | 8.0 | 26 |
| 65 | Examining the Impact of Polyzwitterion Chemistry on Lithium Ion Transport in Ionogel Electrolytes. ACS Applied Polymer Materials, 2021, 3, 2635-2645. | 4.4 | 26 |
| 66 | Nuclear Magnetic Resonance and X-Ray Absorption Spectroscopic Studies of Lithium Insertion in Silver Vanadium Oxide Cathodes. Journal of the Electrochemical Society, 2007, 154, A500. | 2.9 | 25 |
| 67 | Charge transfer in Li/CFxâ€“silver vanadium oxide hybrid cathode batteries revealed by solid state 7Li and 19F nuclear magnetic resonance spectroscopy. Journal of Power Sources, 2014, 254, 293-297. | 7.8 | 25 |
| 68 | A Nuclear Magnetic Resonance Study of Cation and Anion Dynamics in Polymerâ€“Ceramic Composite Solid Electrolytes. ACS Applied Polymer Materials, 2020, 2, 1180-1189. | 4.4 | 25 |
| 69 | Investigation of Dynamics in BMIM TFSA Ionic Liquid through Variable Temperature and Pressure NMR Relaxometry and Diffusometry. Journal of the Electrochemical Society, 2017, 164, H5189-H5196. | 2.9 | 24 |
| 70 | Relevant Features of a Triethylene Glycol Dimethyl Ether-Based Electrolyte for Application in Lithium Battery. ACS Applied Materials & Interfaces, 2017, 9, 17085-17095. | 8.0 | 24 |
| 71 | An alternative route to single ion conductivity using multi-ionic salts. Materials Horizons, 2018, 5, 461-473. | 12.2 | 24 |
| 72 | Solid-State NMR Studies of Chemically Lithiated CF[sub x]. Journal of the Electrochemical Society, 2010, 157, A148. | 2.9 | 23 |

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| 73 | Solid-state nuclear magnetic resonance studies of electrochemically discharged CF. Journal of Power Sources, 2011, 196, 5659-5666. | 7.8 | 22 |
| 74 | Enhanced Lithium Oxygen Battery Using a Glyme Electrolyte and Carbon Nanotubes. ACS Applied Materials & Interfaces, 2018, 10, 16367-16375. | 8.0 | 21 |
| 75 | Formation of structural defects and strain in electrodegraded Feâ€doped SrTiO<sub>3</sub> crystals due to oxygen vacancy migration. Journal of the American Ceramic Society, 2018, 101, 2545-2561. | 3.8 | 21 |
| 76 | NMR Investigations of Crystalline and Glassy Solid Electrolytes for Lithium Batteries: A Brief Review. International Journal of Molecular Sciences, 2020, 21, 3402. | 4.1 | 21 |
| 77 | Solid-State NMR Studies of Lithium Phosphorus Oxynitride Films Prepared by Nitrogen Ion Beam-Assisted Deposition. Journal of the Electrochemical Society, 2005, 152, A516. | 2.9 | 20 |
| 78 | CO<sub>2</sub> utilization in built environment via the P<sub>CO2</sub> swing carbonation of alkaline solid wastes with different mineralogy. Faraday Discussions, 2021, 230, 187-212. | 3.2 | 20 |
| 79 | Multinuclear magnetic resonance investigation of cation-anion and anion-solvent interactions in carbonate electrolytes. Journal of Power Sources, 2018, 399, 215-222. | 7.8 | 19 |
| 80 | Diffusion and Deuteron Nuclear Magnetic Resonance Study of the Distribution of Water Molecules in Polyimide Films. Journal of the Electrochemical Society, 1992, 139, 662-667. | 2.9 | 18 |
| 81 | Insight on the Li<sub>2</sub>S electrochemical process in a composite configuration electrode. New Journal of Chemistry, 2016, 40, 2935-2943. | 2.8 | 18 |
| 82 | Transport studies of NaPF6 carbonate solvents-based sodium ion electrolytes. Electrochimica Acta, 2021, 377, 138062. | 5.2 | 18 |
| 83 | Nuclear magnetic resonance studies of nanocomposite gel electrolytes. Electrochimica Acta, 2003, 48, 2113-2121. | 5.2 | 17 |
| 84 | Review of Multivalent Metal Ion Transport in Inorganic and Solid Polymer Electrolytes. Batteries, 2021, 7, 3. | 4.5 | 17 |
| 85 | Application of the bendlerâ€“shlesinger generalization of the vogel equation to ion-conducting polymers. Journal of Polymer Science, Part B: Polymer Physics, 1991, 29, 747-752. | 2.1 | 16 |
| 86 | Acidâ€inâ€Clay Electrolyte for Wideâ€Temperatureâ€Range and Longâ€Cycle Proton Batteries. Advanced Materials, 2022, 34, e2202063. | 21.0 | 16 |
| 87 | Lithium-7 NMR Studies of Li<sub>1â^'x</sub>CoO<sub>2</sub> Battery Cathodes. Materials Research Society Symposia Proceedings, 1994, 369, 59. | 0.1 | 15 |
| 88 | Nuclear magnetic resonance of polymer electrolyte membrane fuel cells. Chemical Record, 2010, 10, 377-393. | 5.8 | 15 |
| 89 | Angular dependence of spin-wave resonance and relaxation in half-metallic Sr2FeMoO6 films. Journal of Applied Physics, 2008, 103, . | 2.5 | 14 |
| 90 | Dynamics of Glyceline and Interactions of Constituents: A Multitechnique NMR Study. Journal of Physical Chemistry B, 2022, 126, 890-905. | 2.6 | 14 |

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| 91 | Molecular-level insights into structure and dynamics in ionic liquids and polymer gel electrolytes. Journal of Molecular Liquids, 2021, 329, 115454. | 4.9 | 13 |
| 92 | A Rayleighian approach for modeling kinetics of ionic transport in polymeric media. Journal of Chemical Physics, 2017, 146, 064902. | 3.0 | 12 |
| 93 | Local structural changes due to the electric fieldâ€induced migration of oxygen vacancies at Feâ€doped SrTiO<sub>3</sub> interfaces. Journal of the American Ceramic Society, 2019, 102, 4353-4366. | 3.8 | 12 |
| 94 | X-ray absorption spectroscopy of highly cycled Li/composite polymer electrolyte/FeS2 cells. Solid State Ionics, 2003, 164, 51-63. | 2.7 | 11 |
| 95 | Ferromagnetic resonance studies of surface and bulk spin-wave modes in a CoFeâ•PtMnâ•CoFe multilayer film. Journal of Applied Physics, 2008, 103, . | 2.5 | 11 |
| 96 | NMR Studies of Solvent-Free Ceramic Composite Polymer Electrolytesâ€”A Brief Review. Membranes, 2015, 5, 915-923. | 3.0 | 11 |
| 97 | Hybrid twin-metal aluminumâ€“magnesium electrolytes for rechargeable batteries. Journal of Power Sources, 2021, 493, 229681. | 7.8 | 11 |
| 98 | NMR studies of ion mobility and association in polyether-based polymer electrolytes. Polymers for Advanced Technologies, 1993, 4, 172-178. | 3.2 | 10 |
| 99 | Plasticized 3D-Printed Polymer Electrolytes for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2021, 168, 110549. | 2.9 | 10 |
| 100 | Investigation of Electric Fieldâ€“Induced Structural Changes at Fe-Doped SrTiO3 Anode Interfaces by Second Harmonic Generation. Materials, 2016, 9, 883. | 2.9 | 9 |
| 101 | High Pressure Conductivity and NMR Investigation of Siloxane-Based Polymer Electrolytes. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1988, 160, 347-357. | 0.3 | 8 |
| 102 | Improved Anisotropic Thermoelectric Behavior of Poly(3,4-ethylenedioxythiophene):Poly(styrenesulfonate) via Magnetophoresis. ACS Omega, 2018, 3, 12554-12561. | 3.5 | 8 |
| 103 | Detection of Nanoscale Structural Defects in Degraded Fe-Doped SrTiO<sub>3</sub> by Ultrafast Photoacoustic Waves. Journal of Physical Chemistry C, 2018, 122, 12864-12868. | 3.1 | 8 |
| 104 | Nmr Studies of Polymer Electrolytes. Materials Research Society Symposia Proceedings, 1990, 210, 237. | 0.1 | 7 |
| 105 | Properties of polycarbonate containing BaTiO3nanoparticles. Journal of Applied Physics, 2014, 115, 104103. | 2.5 | 7 |
| 106 | Water Domain Enabled Transport in Polymer Electrolytes for Lithium-Ion Batteries. Macromolecules, 2021, 54, 2882-2891. | 4.8 | 6 |
| 107 | Interplay between coordination, dynamics, and conductivity mechanism in Mg/Al-catenated ionic liquid electrolytes. Journal of Power Sources, 2022, 524, 231084. | 7.8 | 6 |
| 108 | Investigation of glass-ceramic lithium thiophosphate solid electrolytes using NMR and neutron scattering. Materials Today Physics, 2021, 21, 100478. | 6.0 | 5 |

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| 109 | Nanoscale Hybrid Electrolytes with Viscosity Controlled Using Ionic Stimulus for Electrochemical Energy Conversion and Storage. Jacs Au, 2022, 2, 590-600. | 7.9 | 5 |
| 110 | Broadband NMR relaxometry of electrolytes for energy storage. Chemical Physics Reviews, 2022, 3, . | 5.7 | 5 |
| 111 | Iodine L-Edge X-Ray Absorption Fine Structure Studies of Polymer-Iodide Salt Complexes. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1988, 160, 339-345. | 0.3 | 4 |
| 112 | Impedance and 2H-NMR Studies of Stoichiometric Alkaline Hydroxide Hydrates. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1991, 95, 1033-1036. | 0.9 | 4 |
| 113 | NMR and Raman spectroscopic characterization of single walled carbon nanotube composites of polybutadiene. Journal of Materials Research, 2009, 24, 2215-2220. | 2.6 | 3 |
| 114 | A Comparative Study of LiMn204 From Various Sources. Materials Research Society Symposia Proceedings, 1994, 369, 29. | 0.1 | 2 |
| 115 | Alkyl chain length effects of hydroxyl-functionalized imidazolium ionic liquids in the ionothermal synthesis of LiFePO<sub>4</sub>. Phosphorus, Sulfur and Silicon and the Related Elements, 2019, 194, 292-296. | 1.6 | 2 |
| 116 | Modulation of Cation Diffusion by Reversible Supramolecular Assemblies in Ionic Liquid-Based Nanocomposites. ACS Applied Materials & Interfaces, 2020, 12, 31842-31851. | 8.0 | 2 |
| 117 | ESR Investigation of Copper Ion Mobility in PEO:Cu(CF3SO3)2 Complexes. Materials Research Society Symposia Proceedings, 1990, 210, 249. | 0.1 | 1 |
| 118 | Pulsed Field Gradient NMR Investigation of Molecular Mobility of Trimethoxymethane in Nafion Membranes. Materials Research Society Symposia Proceedings, 1997, 496, 223. | 0.1 | 1 |
| 119 | X-ray Absorption Spectroscopy Investigation of the Sub-Nanoscale Strain in Thin-Film Lithium Ion Battery Cathodes. Materials Research Society Symposia Proceedings, 2004, 822, S2.3.1. | 0.1 | 1 |
| 120 | Vanadium Doped Nanostructured TiO2 Dielectrics. Materials Research Society Symposia Proceedings, 2014, 1645, 1. | 0.1 | 1 |
| 121 | High-temperature and high-pressure NMR investigations of low viscous fluids confined in mesoporous systems. Zeitschrift Fur Physikalische Chemie, 2021, . | 2.8 | 1 |
| 122 | Quantifying Lithium Ion Exchange in Solid Electrolyte Interphase (SEI) on Graphite Anode Surfaces. Inorganics, 2022, 10, 64. | 2.7 | 1 |
| 123 | Cellulose, Cellobiose, and Glucose Cause Similar Decreases to Molar Conductivity and Drastically Different Increases to Dynamic Viscosity of 1-Ethyl-3-Methylimidazoilum Acetate Based Solvents. ECS Transactions, 2018, 86, 257-268. | 0.5 | 0 |
| 124 | NMR Investigation of Transport in Polybenzimidazole/Polyphosphoric Acid Membranes Prepared Via Novel Synthesis Route. ECS Meeting Abstracts, 2021, MA2021-01, 70-70. | 0.0 | 0 |
| 125 | Multinuclear NMR studies of mass transport of phosphoric acid in water. , 2006, , . | | 0 |
| 126 | Extremely High Proton Mobility in Nanoscopic Titania Hydrates. ECS Meeting Abstracts, 2021, MA2021-02, 1295-1295. | 0.0 | 0 |

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| 127 | Water Domain Enabled Transport and Enhanced Stability in Aqueous Solid Polymer-in-Salt Electrolytes for Lithium-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 265-265. | 0.0 | 0 |