

# **Recent publications (#500-550)**

## **Updated March 30, 2020**

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- 502 . A novel, easily synthesized, anhydrous derivative of phosphoric acid for use in electrolyte with phosphoric acid-based fuel cells. Younes Ansari, Telpriore Tucker, and C. Austen Angell, J. Power Sources (2013), pp. 47-51  
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- 504 Energy Applications of Ionic Liquids Douglas R. MacFarlane<sup>1</sup>, Naoki Tachikawa<sup>1</sup>, Maria Forsyth<sup>2</sup>, Jennifer M. Pringle<sup>2</sup>, Patrick Howlett<sup>2</sup>, Gloria D. Elliott<sup>3</sup>, James Davis<sup>4</sup>, Masahiro Watanabe<sup>5</sup>, Patrice Simon<sup>6</sup> and C. Austen Angell<sup>7</sup> Energy Environ. Sci., 7, 232–250 (2014)  
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507. Stacey Meadley and C. Austen Angell, Proceedings of the International School of Physics "Enrico Fermi" "WATER: FUNDAMENTALS AS THE BASIS FOR UNDERSTANDING THE ENVIRONMENT AND PROMOTING TECHNOLOGY "Course 187, edited by P. G. Debenedetti, M. A Ricci and F. Bruni (IOS Press, Amsterdam; SIF, Bologna) 2015, pp. 19-44  
(previously arXiv 1404.4031
508. Enhanced Performance of sulfone, and sulfone-containing, solvents at lithium ion battery electrodes, including the LiNiMnO high voltage cathode. Leigang Xue, Kazuhide Ueno, S.-Y. Lee, C. Austen Angell, J. Power Sources, 262, 123-128, 2014
509. Supercooled water: Two phases? Nature Materials (News and Views) 13 (June issue), 673-675 (2014)
510. Search for a liquid-liquid critical point in models of silica, Erik Lascaris, Mahin Hemmati, Sergey Bulderev, H. Eugene Stanley and C. Austen Angell, J. Chem. Phys. **140**, 224502 (2014); doi: 10.1063/1.4879057
511. Approaches to, and problems with, ionic liquid electrolytes for alkali metal electrochemical devices: The case of low-melting chloroaluminate binary solutions. T. G. Tucker and C. A. Angell, J. Electrochem. Soc. **161** (12) H796-H801 DOI 10.1149/2.0471412jes
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523. A liquid-liquid transition in supercooled aqueous solution related to the HDA-LDA phase transition in water Sander Woutersen, Bernd Ensing, Michiel Hilber, Zuofeng Zhao and C. Austen Angell, *Science* (March 9 2018) DOI: [10.1126/science.aoa7049](https://doi.org/10.1126/science.aoa7049)

524. Advanced High Voltage Aqueous Li-ion Battery Enabled by “Water-in-Bisalt” Electrolyte. Liumin Suo,<sup>[a]</sup> Oleg Borodin,<sup>[b]</sup> Wei Sun,<sup>[a]</sup> Xiulin Fan,<sup>[a]</sup> Fei Wang,<sup>[a]</sup> Chongyin Yang,<sup>[a]</sup> Tao Gao,<sup>[a]</sup> Zhaojun Ma,<sup>[a]</sup> Marshall Schroeder,<sup>[b]</sup> Arthur von Wald Cresce,<sup>[b]</sup> Selena M. Russell,<sup>[b]</sup> Michel Armand,<sup>[c]</sup> C. Austen Angell,<sup>[d]</sup> Kang Xu \*<sup>[b]</sup> and Chunsheng Wang \*<sup>[a]</sup> *Angewandte Chemie Intern. Ed. (in print)* UPDATE FROM GOOGLE CIT

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