VERY RECENT PUBS (NOS. 450 ……)

450. *"Vitrification of a monatomic metallic liquid". H Bhat, V. Molinero, V. Solomon, E. Soignard, S. Sastry, J. L. Yarger, and C. A. Angell. (Nature, 448(Aug.16), 787-790, (2007)

451. *Reversible folding-unfolding, aggregation protection, multi-year stabilization in high concentration protein solutions." Nolene Byrne, Limin Wang, Jean-Philippe Belieres, and C. Austen Angell. Chem. Commun. 2714-2716, (2007) DOI: 10, 1039/b618943a

452. Glass transition dynamics in water and other tetrahedral liquids: "order-disorder" transitions vs. "normal" glass transitions. C. A. Angell, J. Phys.: Condens. Matter 19, 205112 (2007)

453. An electrospray technique for hyperquenched glass calorimetry studies: propylene glycol and dibutyl-phthallate. Limin Wang and C. Austen Angell, J. Non-Cryst. Solids 353, 3829–3837 (2007)

454. "Glassformers and viscous liquid slowdown since David Turnbull: Enduring puzzles and new twists." C.A. Angell, (text of Turnbull lecture, MRS, 2006) MRS Bulletin, 33(5), 545-555, May 2008

455. Highs and Lows in the density of water" C . A. Angell, Nature Nano (News &Views) 2, 1-4, (2007)

456. Prediction of macroscopic properties of protic ionic liquids by ab initio calculations. H. Markusson, J.-P. Belieres, P. Johanson, C. A. Angell and P. Jacobsson. J. Phys. Chem. 111, 8717-8723 (2007)

457. * Parallel developments in inorganic, aprotic, and protic ionic liquids: physical chemistry and applications" C. Austen Angell, Nolene Byrne" and Jean-Philippe Belieres, Accounts of Chemical Research (special issue), 40, 1228-1236, (2007)

458. Directed destabilization of lysozyme in protic ionic liquids reveals a new low energy reversibly unfolding (pre-fibril) state. Nolene Byrne, Jean-Philippe Belieres, C. Austen Angell, arXiv.org.abs/0710.3807.

459. "Protein unfolding, and the "tuning in" of reversible intermediate states, in protic ionic liquid media". N. Byrne and C.A. Angell. J. Molecular Biology 378, 707-714, (2008)

460. "Insights into Phases of Liquid Water from Study of Its Unusual Glass-Forming Properties," C.A. Angell, Science 319, 582, (2008)

461. "Glass formation and glass transition in supercooled liquids, with insights from study of related phenomena in crystals". (based on opening talk ICNAS, Brazil 2007) C.A. Angell, J. Non-Cryst. Solids 354 (2008) 4703–4712 (http://dx.doi.org/10.1016/j.jnoncrysol.2008.05.054

462. "Landscape thermodynamics and dynamics of a monatomic glassformer- the modified Stillinger-Weber model", Vitaliy Kapko, Dmitry Matyushov and C. Austen Angell. J. Chem. Phys. 128, 144505 (2008)

463. "A Fluorinated Ionic Liquid as a High-Performance Fuel Cell Electrolyte", Jeffery Thomson, Patrick Dunn, Lisa Holmes, Jean-Philippe Belieres, Charles A. Angell, and Dominic Gervasio, ECS Trans. 13 (28), 21 (2008)

464. Model monatomic system with a liquid-liquid critical point and two distinct glassy states" Limei Xu, Sergey V. Buldyrev, Nicolas Giovambattista, C. Austen Angell and H. Eugene Stanley, J. Chem. Phys., **130**, 054505 (2009).

465. Electron free energy levels in oxidic solutions: relating oxidation potentials in aqueous and non-aqueous systems" C. A. Angell, J. Solid State Electrochem. (Bockris Festschrift), **13**, 981 (2009) .DOI: **10.1007/s10008-008-0775-0** (published online)(2009)

466. Formation, and dissolution, of hen egg white lysozyme amyloid fibrils in protic ionic liquids", Nolene Byrne and C. Austen Angell, Chem. Commun. 1046-1048 (2009), DOI:10.1039/ B817590J

467. "The "refoldability" of selected proteins in ionic liquids as a stabilization criterion, leading to a conjecture on biogenesis". Nolene Byrne, Jean-Philippe Belieres and C. Austen Angell, Aust. J. Chem**. 62**(4), 328–333 (2009)
http://www.publish.csiro.au/nid/51/paper/CH08441.htm

468. "Protein folding in the protic ionic liquid milieu: from native conformation to fibril". Nolene Byrne and C. Austen Angell, Chimica Oggi-Chemistry Today, 27, 51-53, (2009) (Jan-Feb)

469. "Composition dependence of the solid state transitions in $NaNO_3/KNO_3$ mixtures" P. Wen, P. Harrowell, N. Byrne, and C. A. Angell. Thermochimica Acta **486** 27-31 (2009)

470."Hydrogen Redox in Protic Ionic Liquids and a Direct Measurement of Proton Thermodynamics", J. A. Bautista-Martinez, L. Tang1, J-P. Belieres, R. Zeller, C.A. Angell, J. Phys. Chem. (in press)

471. Response to "Comment on "Dynamic aspects of the liquid-liquid phase transformation in silicon" [J. Chem. Phys. 129, 104503 (2008)]. Noel Jakse, Srikanth Sastry and C. Austen Angell (in press)

472."Doped Sulfone electrolytes for high voltage Li-ion cell applications." Xiaoguang Sun and C. Austen Angell" Electrochemistry Commun. (in press)

473." Structure-energy relations in hen egg white lysozyme observed during refolding from a quenched unfolded state" Theresa Y. Cho, Nolene Byrne, David J. Moorec, Brian A. Pethica, C. Austen Angell and Pablo G. Debenedetti. Chem. Commun. (in press)

474. "Water at Negative Pressure: Coexistence and Phase Transition between Low-Density and High-Density Monolayer Ice" .Jaeil Bai†, C. Austen Angell‡, Xiao Cheng Zeng† PNAS (under Review)

475. "Guanidinium chloride as a refolding agent for hydrophilic proteins" Nolene Byrne and C. Austen Angell, (submitted to Angew. Chem. Int.)

476. Pure Ionic Liquid Superacids J-P. Belieres, B. R. Cherry, G. P. Holland, J. L. Yarger, and C. A. Angell* (submitted to JACS communications, June 22, 2009

477. On the parallel between redox electron energy levels in oxidic solutions, and proton energy levels in protic ionic liquids and their solutions. C. A. Angell. (in prep)

478. Gruebele