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Water Structure and Science, References 1 - 100. C. H. Cho, S. Singh and G. W. Robinson, Liquid water and biological systems: the most important problem in science that hardly anyone wants to see solved, Faraday Discussions, 103 (1996) 19-27. [B ack]I. Nezbeda and J. Slovák, A family of primitive models of water: three-, four and five- site models, Molecular Physics, 90 (1997) 353-372.Highlights First-principles study of the energetics for hydrogen adsorption, absorption, and diffusion. 17 different metals single crystal surfaces, close-packed and more open. Structure-sensitivity of these fundamental processes. Comprehensive review of the related published work, theoretical and experimental.A.R.O. thanks the Russian Science Foundation (grant 19-72-30043) for generous support of his research. Q.Z. is funded by the National Nuclear Security Administration under the Stewardship Science ...Nanotechnology ("nanotech") is manipulation of matter on an atomic, molecular, and supramolecular scale. The earliest, widespread description of nanotechnology referred to the particular technological goal of precisely manipulating atoms and molecules for fabrication of macroscale products, also now referred to as molecular nanotechnology.A more generalized description of nanotechnology was ...