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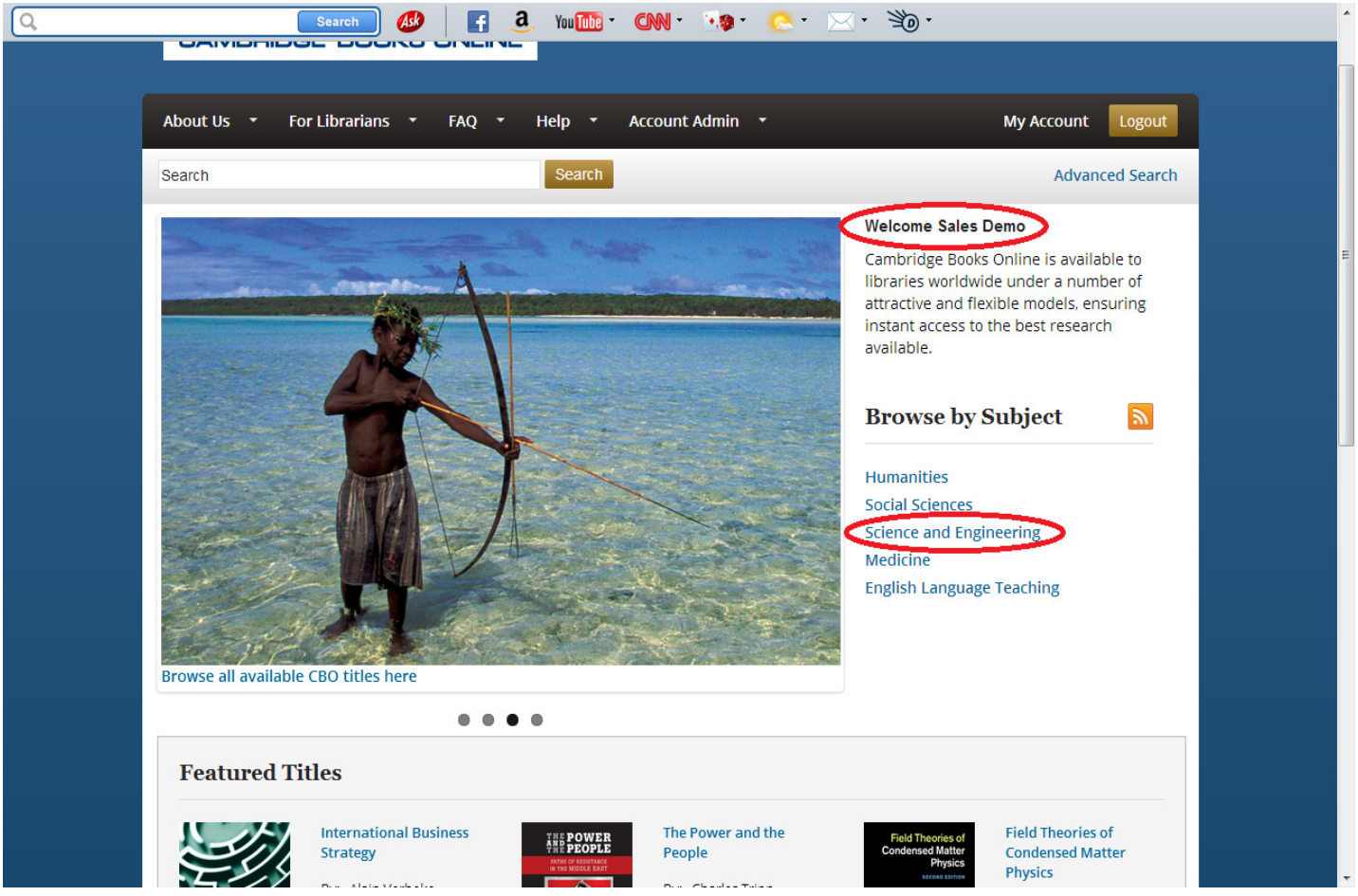

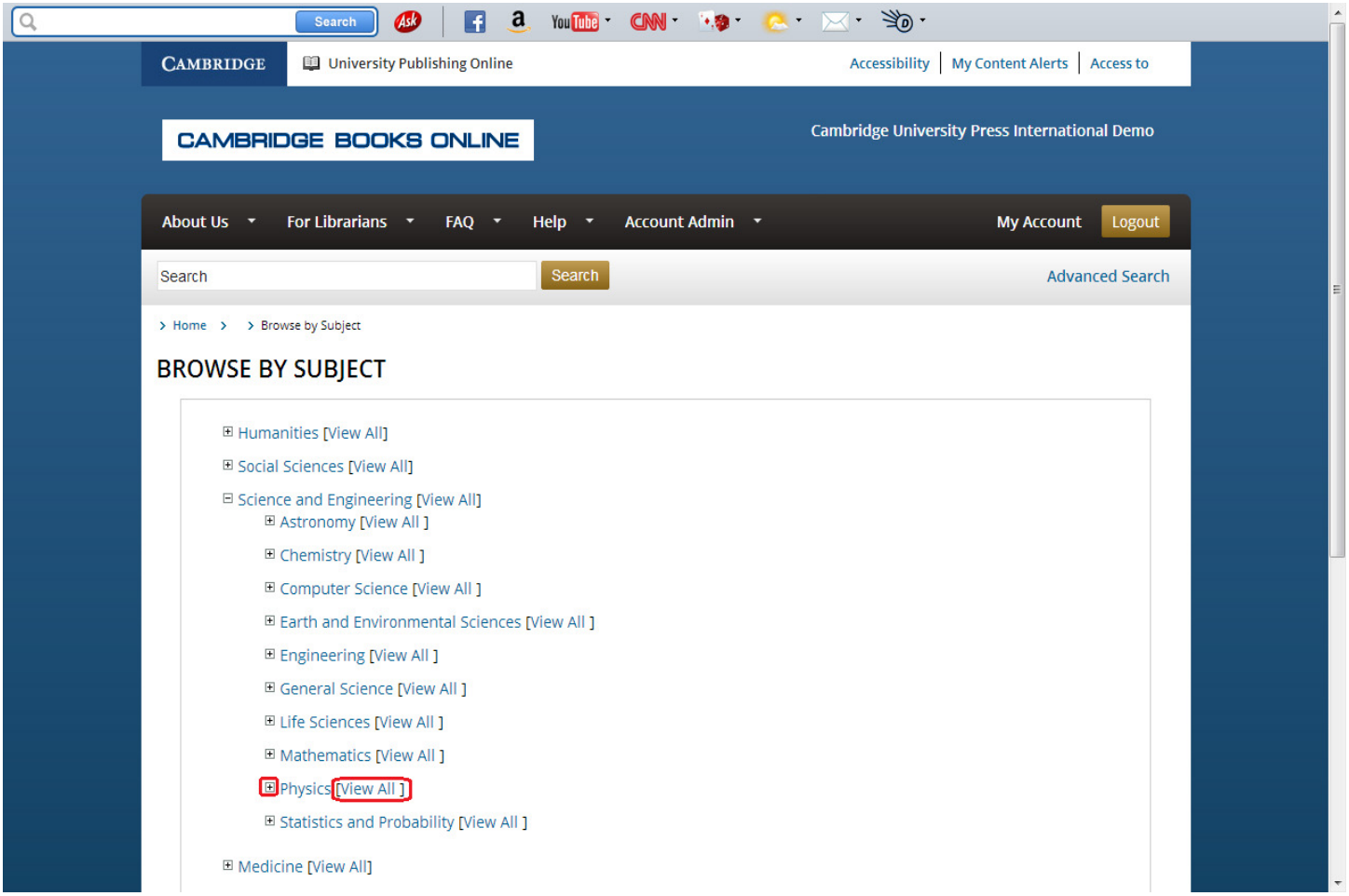
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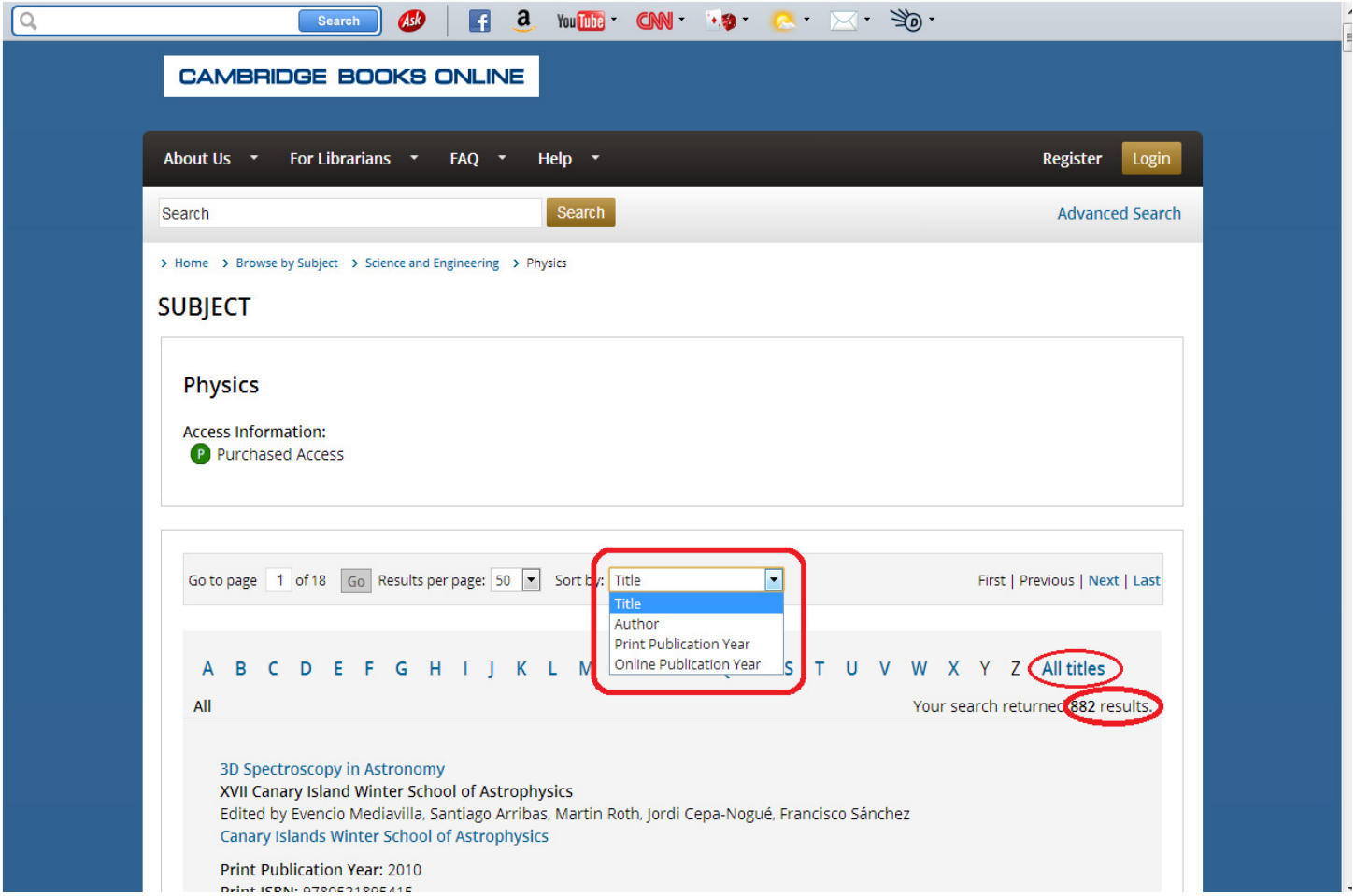
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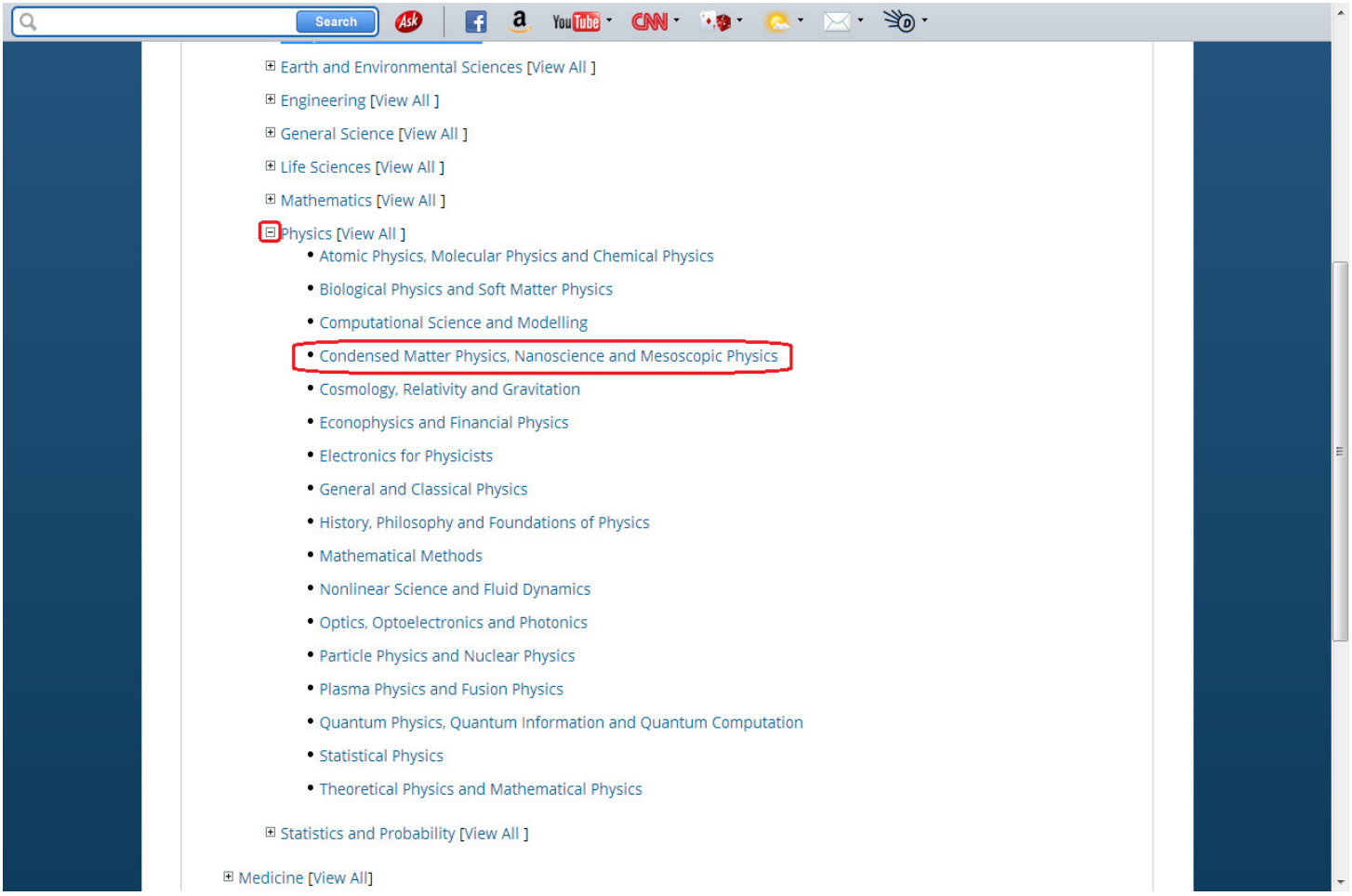
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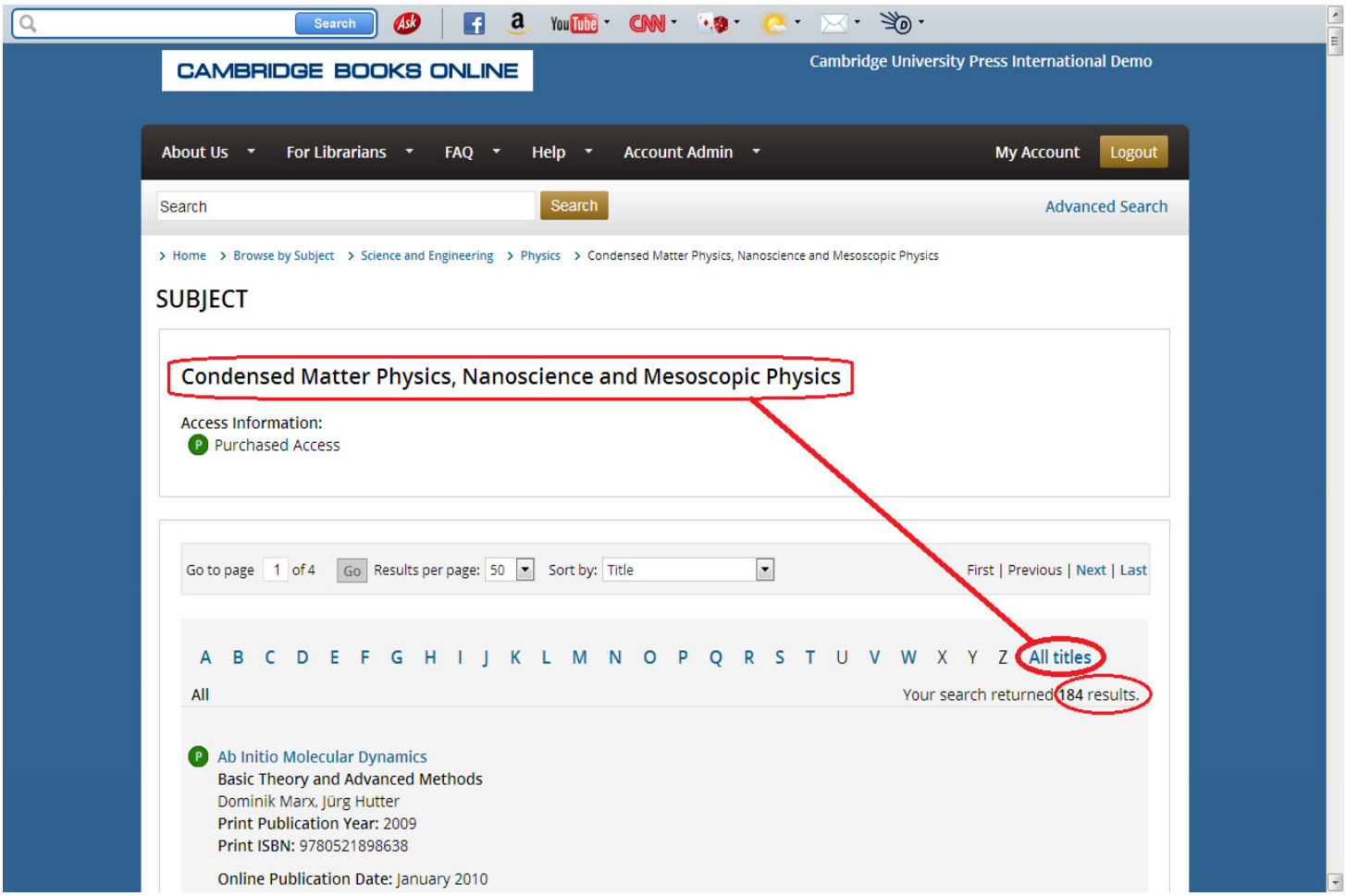
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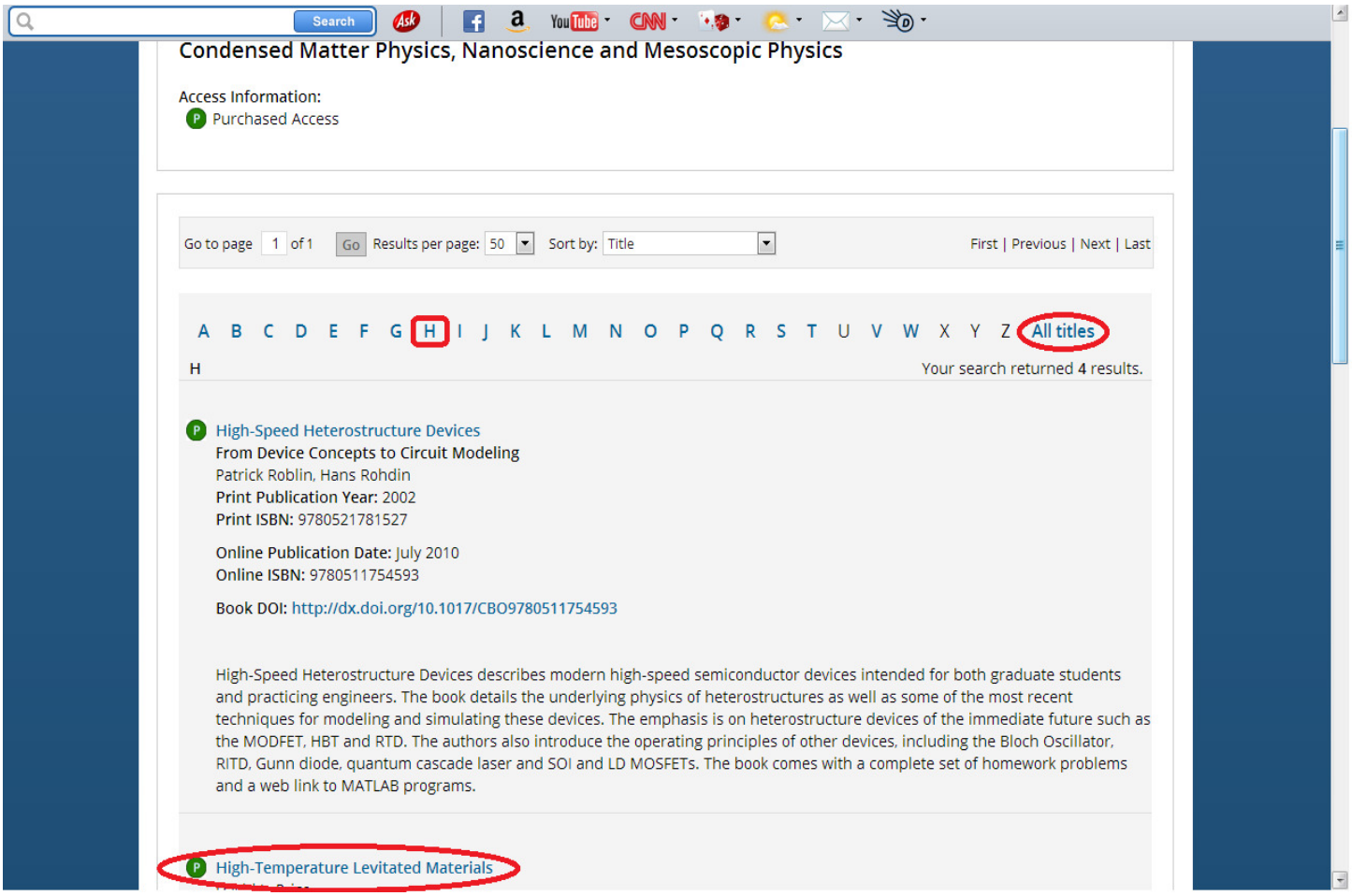
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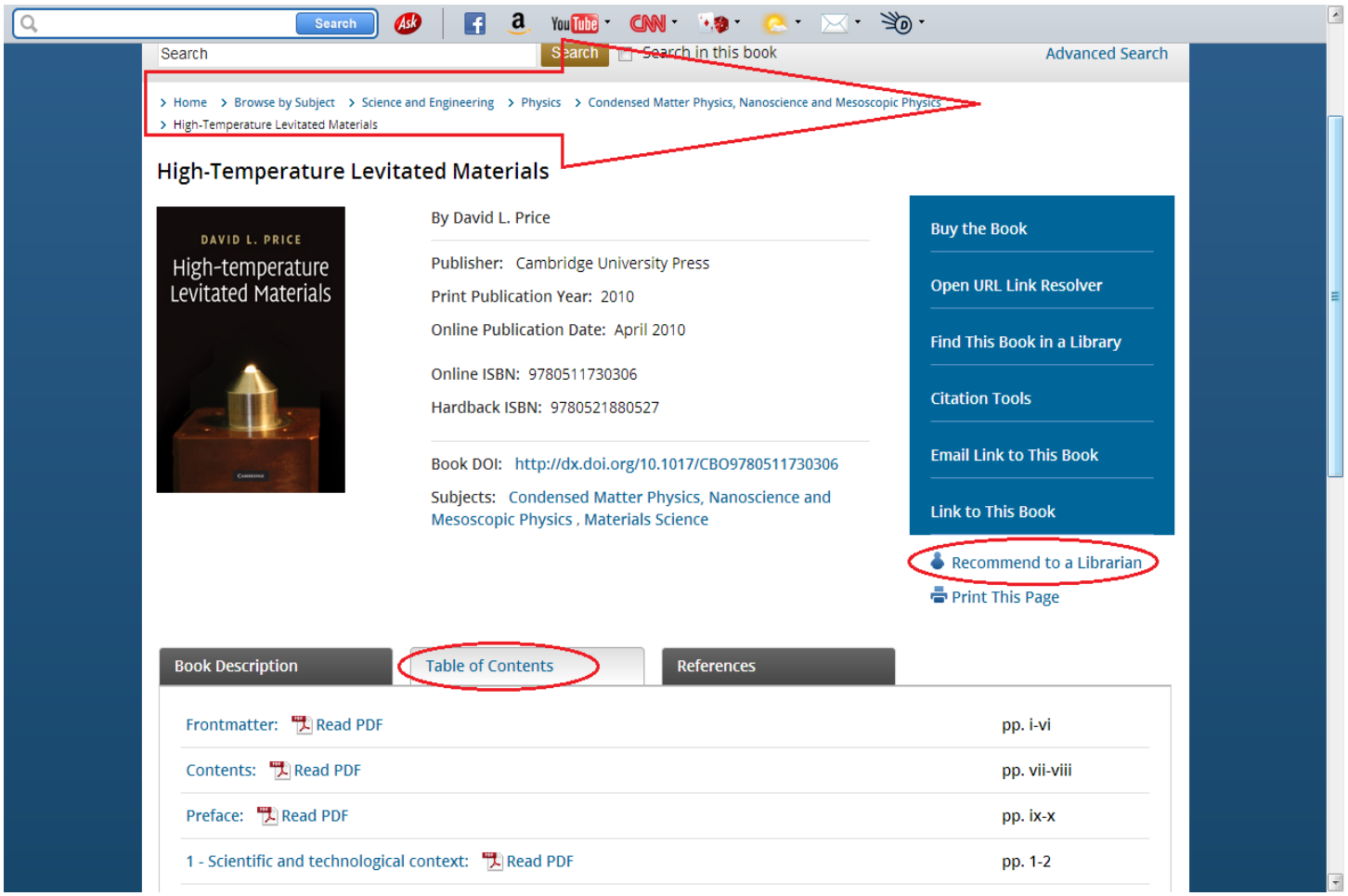
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the same order as that of Chapter 4, namely, electromagnetic, optical and thermophysical properties, followed by microscopic structural and dynamic information provided by scattering and resonance techniques and numerical

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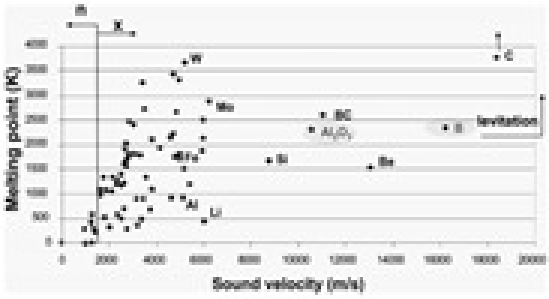

Fig. 5.1. Melting points and sound velocities (in the solid phase) of some representative materials. The horizontal line connected to the arrow marked 'levitation' indicates an approximate temperature above which levitation methods are advantageous. The vertical line connected to the arrows marked 'n' and 'x' indicates approximately the sound velocities for which neutron and X-ray inelastic scattering techniques, respectively, are advantageous.

simulation. When appropriate, these will be followed by descriptions of the phenomena observed in cooling the levitated liquids, including nucleation, crystallization, formation of metastable and glassy solid phases, and coexisting liquid phases. To place these in a general context, we give below a brief discussion of the various types of behaviour that may be observed in cooling experiments.

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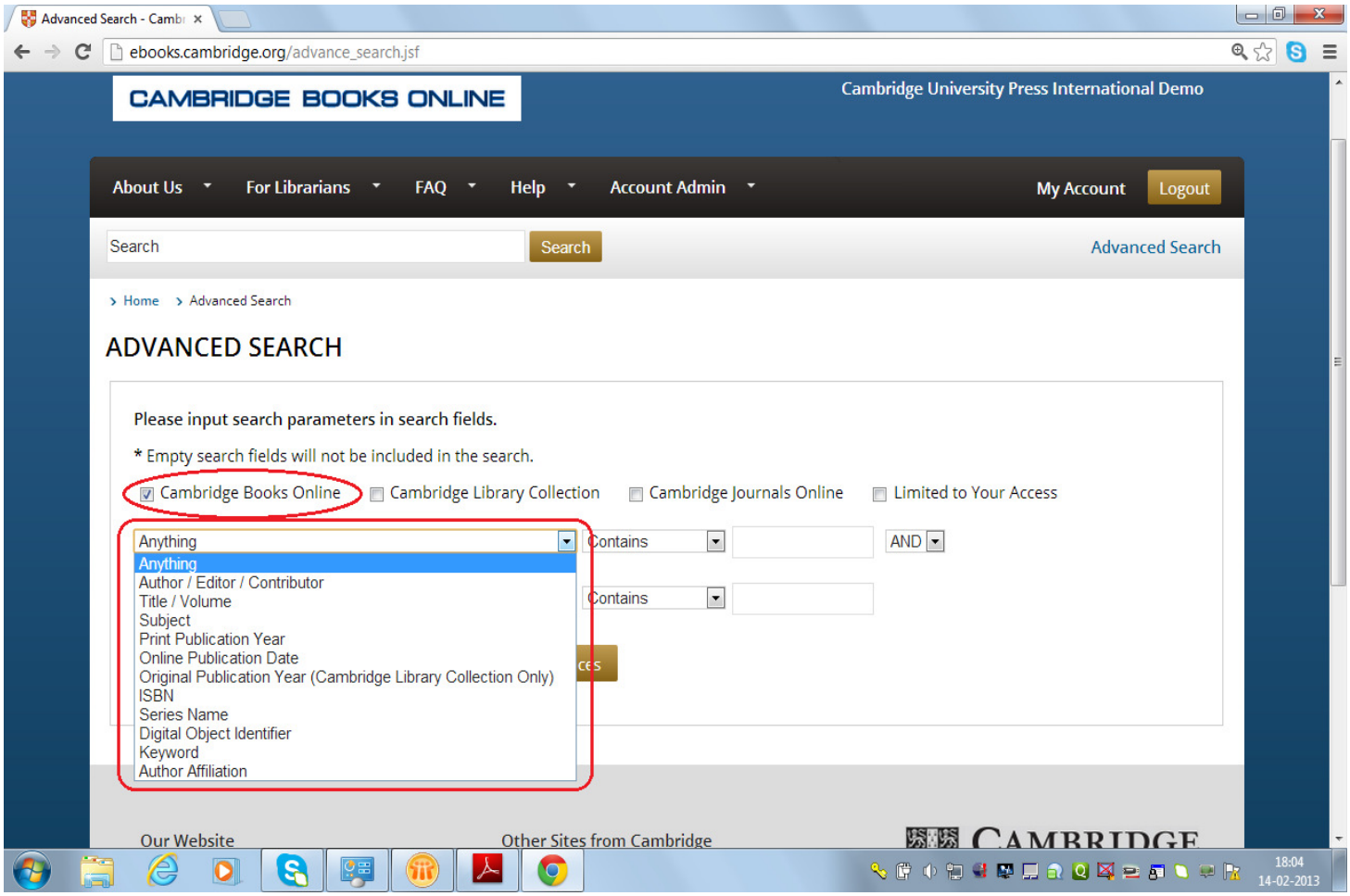
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