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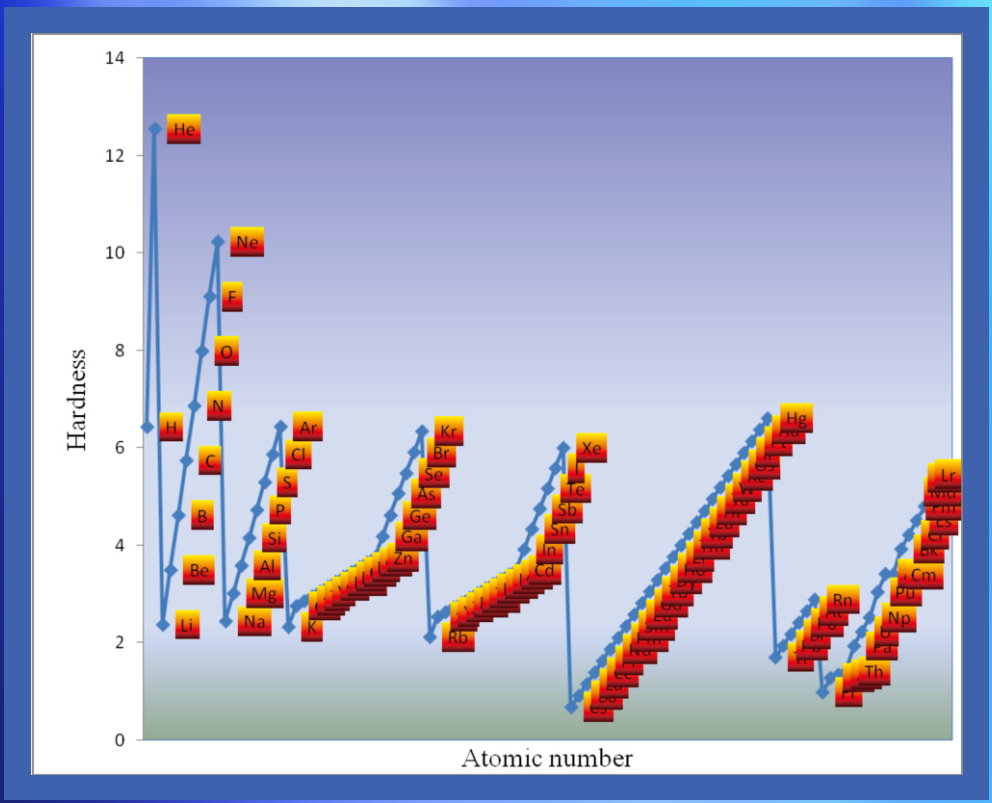

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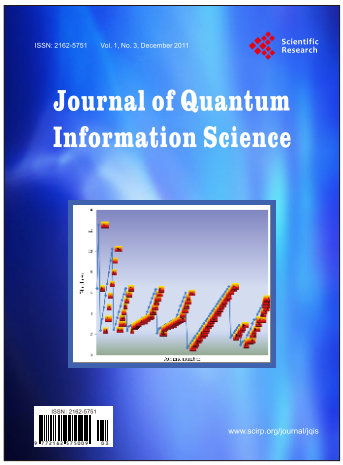

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Subject Coverage

The field of Quantum Information Science is the most challenging and hot topic among all branches of science. This field is also quite interdisciplinary in character, and people from quantum theory, computer science, mathematics, information theory, condensed matter physics, many-body physics and many more have been actively involved to understand implications of quantum mechanics in information processing. JQIS aims to publish research papers in the following areas:

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- Quantum Entanglement: Bell's inequality and non-locality issues; Quantification of entanglement; Measures of entanglement; Entanglement as resource; Detection of entanglement; Conversion of entanglement; Theory of majorisation.
- Quantum Information Processing Protocols: Teleportation; Entanglement swapping; Remote state preparation; Remote state measurement; Entanglement concentration and purification methods; Telecloning; Information concentration.
- Quantum Information Theory: Fundamental issues in quantum information; Quantum cloning; Quantum deleting; Quantum coding; Channel capacities; Data compression; Quantum error-correction; Decoherence; Optimal quantum measurements.
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