2. 論文および総説・解説記事（期間：2012年1月〜12月）

☆ 主要文献 IS1: ISI対象論文 1st: 学生が1st Authorの文献

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☆ Shot noise in magnetic tunnel junctions from first principles 86 (2012) 020408-1

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<td>High-field magnetization and magnetoresistance of the A-site</td>
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Thermal artifact on the spin Seebeck effect in metallic thin films deposited on MgO substrates 111 (2012) 07B106

Electrical determination of spin mixing conductance at metal/insulator interface using inverse spin–Hall effect 111 (2012) 07C307_1

Scaling fit of spin pumping in various ferromagnetic materials 111 (2012) 07C502_1

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☆ Spin–current–driven thermoelectric coating

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Directional control of spin wave emission by spatially shaped light

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低温電子物性学研究部門

**Crystals**
☆ Mott–Anderson Transition in Molecular Conductors: Influence of Randomness on Strongly Correlated Electrons in the k–(BEDT–TTF)_2X System

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Ni–free Ti–based bulk metallic glass with potential for biomedical applications produced by spark plasma sintering

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Nanocrystallization of Fe73Si7B17Nb3 metallic glass induced by microwave treatment in magnetic field of a single mode 915 MHz applicator

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