Journal of Physics C: Solid State Physics 1982 vol.15 N9, pages L259-L261

Interference of superexchange interactions

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Abstract

New superexchange four-particle mechanisms are suggested for dielectrics containing magnetic ions linked through several bridge ligands. These mechanisms may suppress as well as amplify Anderson's superexchange which is additive over the ligands.

http://dx.doi.org/10.1088/0022-3719/15/9/006