

# SUBJECT INDEX

- Antiferromagnet.....123
- Antiferromagnetic and  
ferromagnetic order....16
- antiferromagnetic  
correlation.....64
- antiferromagnetic order  
.....12, 57
- band splitting model.....181
- CeAs.....109
- CeNi.....140
- CeNiAl<sub>4</sub>.....146
- CeNiSn.....105
- CeNi<sub>2</sub>Ge<sub>2</sub>.....36
- CeNi<sub>2</sub>Sn<sub>2</sub>.....49, 57
- CePdAl.....117, 123
- CePd<sub>2</sub>Sn<sub>2</sub>.....49, 57
- cerium compounds.....64
- cerium monpnictides.....99
- CeRu<sub>2</sub>(Si<sub>1-x</sub>Ge<sub>x</sub>)<sub>2</sub>.....16
- CeRu<sub>2</sub>Si<sub>2</sub>.....27
- CeSb.....216
- Ce<sub>0.8</sub>La<sub>0.2</sub>Ru<sub>2</sub>Si<sub>2</sub>.....27
- commensurate.....154
- critical current densities...188
- crystal electrical field .57, 117,  
129
- electrical resistivity....42, 193
- electronic structure.....109
- exchange energy.....78
- exchange interaction.....216
- Fermi-liquid.....36
- Fermi surface.....151
- Fermi surface nesting.....78
- GdAl<sub>2</sub>.....181
- Gd<sub>2</sub>S<sub>3</sub>.....109
- group theory.....154
- Hall effect.....105
- heavy fermion ..1, 12, 16, 36,  
42, 64, 117, 123, 146, 216
- Hg-cuprates.....188
- high pressure.....42, 91
- high-*T<sub>c</sub>* oxide  
superconductors.....193
- Ho.....162
- incommensurate.....154
- irreducible representation..154
- irreversibility line.....188
- Kagomé lattice.....123
- Kondo Cerium compound  
.....129
- Kondo effect..57, 64, 140, 168
- Kondo lattice.....12, 105
- Kondo regime.....78, 216
- La<sub>2-x</sub>Sr<sub>x</sub>CuO<sub>4</sub>.....109
- low-carrier-system.....78, 99
- magnetic anisotropy.....117
- magnetic form factor.....129
- magnetic interactions.....91
- magnetic phase diagrams...91
- magnetic polaron.....78, 99
- magnetic structure  
.....99, 129, 154
- magnetic transition  
temperatures.....162
- magnetism.....64
- magnetization...16, 129, 202
- magnetoresistance....105, 151
- mass reduction effect.....78
- metamagnetic transition...27
- metamagnetism.....36
- Mott transition.....216
- multi-k structures.....91
- NdNi.....140
- Nesting.....12
- neutron diffraction...16, 129,  
154
- neutron scattering.....99
- NMR.....123
- non-magnetic ground state..36
- nuclear magnetic  
relaxation.....168
- Nuclear orientation.....140
- nuclear quadrupole  
resonance.....168
- optical property.....109
- paramagnetic effect.....202
- peak effect.....202, 209
- p-f mixing.....91
- phase diagram of CeSb.....64
- pressure effect....27, 162, 188
- reflectivity.....109
- resistivity.....16, 162
- reversal of the driving  
force.....181
- RKKY interaction.....64, 140
- SDW.....12
- seesaw heating.....181
- short-range magnetic  
correlation.....64
- single crystal.....162
- specific heat.....16, 57, 209
- superconductivity..1, 202, 209
- superzone gap.....162
- susceptibility.....123
- synthesis of new high *T<sub>c</sub>*  
superconductors.....188
- thermal conductivity.....193
- thermopower.....49, 181
- transport property.....209
- triplet pairing.....202
- T*<sup>2</sup> term of resistivity.....49
- UPt<sub>3</sub>.....202
- uranium monpnictides...91
- USb.....216
- valence-fluctuation...146, 216
- vanishing of magnetic order  
.....27
- Wigner crystal.....78
- YbAgCu<sub>4</sub>.....168
- YbAuCu<sub>4</sub>.....168
- YbInCu<sub>4</sub>.....168
- Yb<sub>4</sub>As<sub>3</sub>.....109
- 3*k* structure.....216
- 4*f* and 5*f* systems.....78
- α-cerium.....151
- γ→α transition.....151