# Je-Geun Park

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 181 papers | 13,506 citations | 48 h-index | 115 g-index |
| 193 ext. papers | 15,199 ext. citations | 7.6 avg, IF | 6.2 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 181 | Magnetic phase transitions in the LiNi0.9 M 0.1PO4 (M´=´Mn, Co) single crystals. *Physica Scripta*, **2022**, 97, 025707 | 2.6 | |
| 180 | Magnetically brightened dark electron-phonon bound states in a van der Waals antiferromagnet.. *Nature Communications*, **2022**, 13, 98 | 17.4 | 4 |
| 179 | The surface degradation and its impact on the magnetic properties of bulk VI3. *Materials Chemistry and Physics*, **2022**, 278, 125590 | 4.4 | 2 |
| 178 | Multiferroic-Enabled Magnetic-Excitons in 2D Quantum-Entangled Van der Waals Antiferromagnet NiI 2 (Adv. Mater. 10/2022). *Advanced Materials*, **2022**, 34, 2270080 | 24 | |
| 177 | Multiferroic Enabled Magnetic-exciton in 2D Quantum Entangled van der Waals Antiferromagnet NiI.. *Advanced Materials*, **2021**, e2109144 | 24 | 1 |
| 176 | Giant modulation of optical nonlinearity by Floquet engineering. *Nature*, **2021**, 600, 235-239 | 50.4 | 2 |
| 175 | Slow oxidation of magnetite nanoparticles elucidates the limits of the Verwey transition. *Nature Communications*, **2021**, 12, 6356 | 17.4 | 2 |
| 174 | Air-Stable and Layer-Dependent Ferromagnetism in Atomically Thin van der Waals CrPS. *ACS Nano*, **2021**, 15, 16904-16912 | 16.7 | 6 |
| 173 | Charge-trapping memory device based on a heterostructure of MoS2 and CrPS4. *Journal of the Korean Physical Society*, **2021**, 78, 816-821 | 0.6 | 1 |
| 172 | Complete mapping of magnetic anisotropy for prototype Ising van der Waals FePS3. *2D Materials*, **2021**, 8, 035011 | 5.9 | 4 |
| 171 | Spin texture induced by non-magnetic doping and spin dynamics in 2D triangular lattice antiferromagnet h-Y(Mn,Al)O. *Nature Communications*, **2021**, 12, 2306 | 17.4 | 1 |
| 170 | Magnetic anisotropy in the van der Waals ferromagnet VI3. *Physical Review B*, **2021**, 103, | 3.3 | 7 |
| 169 | Possible Persistence of Multiferroic Order down to Bilayer Limit of van der Waals Material NiI. *Nano Letters*, **2021**, 21, 5126-5132 | 11.5 | 15 |
| 168 | Thickness dependence of antiferromagnetic phase transition in Heisenberg-type MnPS3. *Current Applied Physics*, **2021**, 21, 1-5 | 2.6 | 6 |
| 167 | Gigantic Current Control of Coercive Field and Magnetic Memory Based on Nanometer-Thin Ferromagnetic van der Waals Fe GeTe. *Advanced Materials*, **2021**, 33, e2004110 | 24 | 16 |
| 166 | Effects of Mn-substitution on the valence bond solid in Li2RuO3. *Physical Review B*, **2021**, 103, | 3.3 | 1 |
| 165 | Emergent Magnetic Phases in Pressure-Tuned van der Waals Antiferromagnet FePS3. *Physical Review X*, **2021**, 11, | 9.1 | 4 |

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| 164 | Pressure-induced large increase of Curie temperature of the van der Waals ferromagnet VI3. *Physical Review B*, **2021**, 103, | 3.3 | 14 |
| 163 | Pressure-induced transition from Jeff=1/2 to S=1/2 states in CuAl2O4. *Physical Review B*, **2021**, 103, | 3.3 | 2 |
| 162 | Exciton-driven antiferromagnetic metal in a correlated van der Waals insulator. *Nature Communications*, **2021**, 12, 4837 | 17.4 | 6 |
| 161 | Antiferromagnetic Kitaev interaction in1/2 cobalt honeycomb materials NaCoSbOand NaCoTeO. *Journal of Physics Condensed Matter*, **2021**, 34, | 1.8 | 2 |
| 160 | Field-induced quantum spin disordered state in spin-1/2 honeycomb magnet NaCoTeO. *Nature Communications*, **2021**, 12, 5559 | 17.4 | 2 |
| 159 | Ferromagnetic Materials: Gigantic Current Control of Coercive Field and Magnetic Memory Based on Nanometer-Thin Ferromagnetic van der Waals Fe3GeTe2 (Adv. Mater. 4/2021). *Advanced Materials*, **2021**, 33, 2170029 | 24 | |
| 158 | Sizable Suppression of Thermal Hall Effect upon Isotopic Substitution in SrTiO_{3}. *Physical Review Letters*, **2021**, 126, 015901 | 7.4 | 1 |
| 157 | Topological Magnon Band Crossing in Y_{2}Ir_{2}O_{7}.. *Physical Review Letters*, **2021**, 127, 267203 | 7.4 | 0 |
| 156 | Understanding filamentary growth and rupture by Ag ion migration through single-crystalline 2D layered CrPS4. *NPG Asia Materials*, **2020**, 12, | 10.3 | 3 |
| 155 | Possible glass-like random singlet magnetic state in 1T-TaS. *Journal of Physics Condensed Matter*, **2020**, 32, 035601 | 1.8 | 1 |
| 154 | Tuning dimensionality in van-der-Waals antiferromagnetic Mott insulators TMPS. *Journal of Physics Condensed Matter*, **2020**, 32, 124003 | 1.8 | 16 |
| 153 | Momentum-Dependent Magnon Lifetime in the Metallic Noncollinear Triangular Antiferromagnet CrB_{2}. *Physical Review Letters*, **2020**, 125, 027202 | 7.4 | 2 |
| 152 | Linear Magnetoelectric Phase in Ultrathin MnPS_{3} Probed by Optical Second Harmonic Generation. *Physical Review Letters*, **2020**, 124, 027601 | 7.4 | 36 |
| 151 | Polymorphic Spin, Charge, and Lattice Waves in Vanadium Ditelluride. *Advanced Materials*, **2020**, 32, e1906578 | 24 | 12 |
| 150 | Exchange Bias Effect in Ferro-/Antiferromagnetic van der Waals Heterostructures. *Nano Letters*, **2020**, 20, 3978-3985 | 11.5 | 6 |
| 149 | Local nuclear and magnetic order in the two-dimensional spin glass Mn0.5Fe0.5PS3. *Physical Review Materials*, **2020**, 4, | 3.2 | 6 |
| 148 | Strongly adhesive dry transfer technique for van der Waals heterostructure. *2D Materials*, **2020**, 7, 041005 | 5.9 | 16 |
| 147 | Coherent many-body exciton in van der Waals antiferromagnet NiPS. *Nature*, **2020**, 583, 785-789 | 50.4 | 49 |

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| 146 | Dynamic spin fluctuations in the frustrated A-site spinel CuAl2O4. *Physical Review B*, **2020**, 102, | 3.3 | 3 |
| 145 | Kagome van-der-Waals PdPS with flat band. *Scientific Reports*, **2020**, 10, 20998 | 4.9 | 3 |
| 144 | Magnetoelastic excitations in multiferroic hexagonal YMnO3 studied by inelastic x-ray scattering. *Physical Review B*, **2020**, 102, | 3.3 | 1 |
| 143 | Influence of stacking disorder on cross-plane thermal transport properties in TMPS3 (TM = Mn, Ni, Fe). *Applied Physics Letters*, **2020**, 117, 063103 | 3.4 | 2 |
| 142 | Observation of plateau-like magnetoresistance in twisted Fe3GeTe2/Fe3GeTe2 junction. *Journal of Applied Physics*, **2020**, 128, 093901 | 2.5 | 8 |
| 141 | Spin waves in the two-dimensional honeycomb lattice XXZ-type van der Waals antiferromagnet CoPS3. *Physical Review B*, **2020**, 102, | 3.3 | 9 |
| 140 | Theoretical evidence of spin-orbital-entangled Jeff=12 state in the 3d transition metal oxide CuAl2O4. *Physical Review B*, **2019**, 100, | 3.3 | 10 |
| 139 | Suppression of magnetic ordering in XXZ-type antiferromagnetic monolayer NiPS. *Nature Communications*, **2019**, 10, 345 | 17.4 | 136 |
| 138 | High-Density Ordered Arrays of CoPt3 Nanoparticles with Individually Addressable Out-of-Plane Magnetization. *ACS Applied Nano Materials*, **2019**, 2, 975-982 | 5.6 | 2 |
| 137 | Mapping the structural transitions controlled by the trilinear coupling in Ca3-xSrxTi2O7. *Journal of Applied Physics*, **2019**, 125, 244102 | 2.5 | 8 |
| 136 | Unconventional spin-phonon coupling via the DzyaloshinskiiMoriya interaction. *Npj Quantum Materials*, **2019**, 4, | 5 | 18 |
| 135 | Antiferromagnetic ordering in van der Waals 2D magnetic material MnPS 3 probed by Raman spectroscopy. *2D Materials*, **2019**, 6, 041001 | 5.9 | 56 |
| 134 | Hybridization and Decay of Magnetic Excitations in Two-Dimensional Triangular Lattice Antiferromagnets. *Journal of the Physical Society of Japan*, **2019**, 88, 081003 | 1.5 | 5 |
| 133 | Magnon topology and thermal Hall effect in trimerized triangular lattice antiferromagnet. *Physical Review B*, **2019**, 100, | 3.3 | 10 |
| 132 | Hard ferromagnetic van-der-Waals metal (Fe,Co)GeTe: a new platform for the study of low-dimensional magnetic quantum criticality. *Journal of Physics Condensed Matter*, **2019**, 31, 50LT01 | 1.8 | 7 |
| 131 | Electronic and vibrational properties of the two-dimensional Mott insulator V0.9PS3 under pressure. *Physical Review B*, **2019**, 100, | 3.3 | 3 |
| 130 | Isostructural Mott transition in 2D honeycomb antiferromagnet V0.9PS3. *Npj Quantum Materials*, **2019**, 4, | 5 | 12 |
| 129 | Modular thermal Hall effect measurement setup for fast-turnaround screening of materials over wide temperature range using capacitive thermometry. *Review of Scientific Instruments*, **2019**, 90, 103904 | 1.7 | 3 |

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| 128 | Magnetic and electrical anisotropy with correlation and orbital effects in dimerized honeycomb ruthenate Li2RuO3. *Physical Review B*, **2019**, 100, | 3.3 | 2 |
| 127 | Crystal structures and phase transitions of the van der Waals ferromagnet VI3. *Physical Review Materials*, **2019**, 3, | 3.2 | 22 |
| 126 | Analysis of migration maps and features of magnetic properties of LiNi0.9M0.1PO4 (M = Co, Mn) single crystals. *Journal of Alloys and Compounds*, **2019**, 781, 571-581 | 5.7 | 6 |
| 125 | Symmetry-Controlled Electron-Phonon Interactions in van der Waals Heterostructures. *ACS Nano*, **2019**, 13, 552-559 | 16.7 | 10 |
| 124 | Orbital-selective confinement effect of Ru 4d orbitals in SrRuO3 ultrathin film. *Physical Review B*, **2019**, 99, | 3.3 | 13 |
| 123 | Bulk properties of the van der Waals hard ferromagnet VI3. *Physical Review B*, **2019**, 99, | 3.3 | 69 |
| 122 | Microscopic States and the Verwey Transition of Magnetite Nanocrystals Investigated by Nuclear Magnetic Resonance. *Nano Letters*, **2018**, 18, 1745-1750 | 11.5 | 7 |
| 121 | Synaptic devices based on two-dimensional layered single-crystal chromium thiophosphate (CrPS4). *NPG Asia Materials*, **2018**, 10, 23-30 | 10.3 | 35 |
| 120 | Studies on the high-temperature ferroelectric transition of multiferroic hexagonal manganite RMnO. *Journal of Physics Condensed Matter*, **2018**, 30, 105601 | 1.8 | 10 |
| 119 | Magnonic quantum spin Hall state in the zigzag and stripe phases of the antiferromagnetic honeycomb lattice. *Physical Review B*, **2018**, 97, | 3.3 | 26 |
| 118 | Magnetic excitations of the Cu2+ quantum spin chain in Sr3CuPtO6. *Physical Review B*, **2018**, 97, | 3.3 | 5 |
| 117 | Charge-Spin Correlation in van der Waals Antiferromagnet NiPS_{3}. *Physical Review Letters*, **2018**, 120, 136402 | 7.4 | 64 |
| 116 | Giant thermal hysteresis in Verwey transition of single domain FeO nanoparticles. *Scientific Reports*, **2018**, 8, 5092 | 4.9 | 8 |
| 115 | Emergence of a Metal-Insulator Transition and High-Temperature Charge-Density Waves in VSe at the Monolayer Limit. *Nano Letters*, **2018**, 18, 5432-5438 | 11.5 | 123 |
| 114 | Doping effects on the ferroelectric transition of multiferroic Y(Mn,Al/Ga)O3. *Physical Review B*, **2018**, 98, | 3.3 | 7 |
| 113 | Magnetic interactions in PdCrO2 and their effects on its magnetic structure. *Physical Review B*, **2018**, 98, | 3.3 | 9 |
| 112 | Magnetic excitations in non-collinear antiferromagnetic Weyl semimetal Mn3Sn. *Npj Quantum Materials*, **2018**, 3, | 5 | 22 |
| 111 | Terahertz absorption spectroscopy study of spin waves in orthoferrite YFeO3 in a magnetic field. *Physical Review B*, **2018**, 98, | 3.3 | 6 |

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| 110 | Magnetic excitations in the bulk multiferroic two-dimensional triangular lattice antiferromagnet (Lu,Sc)FeO3. *Physical Review B*, **2018**, 98, | 3.3 | 15 |
| 109 | Metal-Insulator Transition: Spectroscopic Studies on the Metal□nsulator Transition Mechanism in Correlated Materials (Adv. Mater. 42/2018). *Advanced Materials*, **2018**, 30, 1870318 | 24 | 0 |
| 108 | Magnetism in two-dimensional van der Waals materials. *Nature*, **2018**, 563, 47-52 | 50.4 | 534 |
| 107 | Structural investigation of the insulator-metal transition in NiS2□Sex compounds. *Physical Review B*, **2018**, 98, | 3.3 | 5 |
| 106 | Renormalization of spin excitations in hexagonal HoMnO3 by magnon-phonon coupling. *Physical Review B*, **2018**, 97, | 3.3 | 8 |
| 105 | Low-energy spin dynamics of orthoferrites AFeO (A = Y, La, Bi). *Journal of Physics Condensed Matter*, **2018**, 30, 235802 | 1.8 | 10 |
| 104 | Spectroscopic Studies on the Metal-Insulator Transition Mechanism in Correlated Materials. *Advanced Materials*, **2018**, 30, e1704777 | 24 | 9 |
| 103 | Zero-Field Ambient-Pressure Quantum Criticality in the Stoichiometric Non-Fermi Liquid System CeRhBi. *Journal of the Physical Society of Japan*, **2018**, 87, 064708 | 1.5 | 3 |
| 102 | Spin glass behavior in frustrated quantum spin system CuAlO with a possible orbital liquid state. *Journal of Physics Condensed Matter*, **2017**, 29, 13LT01 | 1.8 | 20 |
| 101 | Doping effects on trimerization and magnetoelectric coupling of single crystal multiferroic (Y,Lu)MnO. *Journal of Physics Condensed Matter*, **2017**, 29, 095602 | 1.8 | 3 |
| 100 | Magnetic transitions in the chiral armchair-kagome system Mn2Sb2O7. *Physical Review B*, **2017**, 95, | 3.3 | 6 |
| 99 | Magnetic properties of Li2RuO3 as studied by NMR and LDA + DMFT calculations. *JETP Letters*, **2017**, 105, 375-379 | 1.2 | 7 |
| 98 | Properties of spin-12 triangular-lattice antiferromagnets CuY2Ge2O8 and CuLa2Ge2O8. *Physical Review B*, **2017**, 95, | 3.3 | 4 |
| 97 | Spectral and magnetic properties of NaRuO. *Journal of Physics Condensed Matter*, **2017**, 29, 405804 | 1.8 | 3 |
| 96 | The low-temperature highly correlated quantum phase in the charge-density-wave 1T-TaS2 compound. *Npj Quantum Materials*, **2017**, 2, | 5 | 40 |
| 95 | Heat transport study of the spin liquid candidate 1T□aS2. *Physical Review B*, **2017**, 96, | 3.3 | 25 |
| 94 | Jahn-Teller distortion driven magnetic polarons in magnetite. *Nature Communications*, **2017**, 8, 15929 | 17.4 | 37 |
| 93 | Frustrated antiferromagnetic honeycomb-tunnel-like lattice CuR2Ge2O8 (R=Pr, Nd, Sm, and Eu). *Physical Review B*, **2017**, 96, | 3.3 | 3 |

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| 92 | Magnetic properties of LiRuO as studied by NMR and LDA+DMFT calculations, "□□□□. *Journal of Experimental and Theoretical Physics Letters*, **2017**, 356-357 | 1.3 | |
| 91 | Exfoliation and Raman Spectroscopic Fingerprint of Few-Layer NiPS3 Van der Waals Crystals. *Scientific Reports*, **2016**, 6, 20904 | 4.9 | 159 |
| 90 | 3d-electron Heisenberg pyrochlore Mn2Sb2O7. *Physical Review B*, **2016**, 94, | 3.3 | 7 |
| 89 | Spontaneous structural distortion of the metallic Shastry-Sutherland system DyB4 by quadrupole-spin-lattice coupling. *Physical Review B*, **2016**, 94, | 3.3 | 4 |
| 88 | Ising-Type Magnetic Ordering in Atomically Thin FePS. *Nano Letters*, **2016**, 16, 7433-7438 | 11.5 | 412 |
| 87 | Spontaneous decays of magneto-elastic excitations in non-collinear antiferromagnet (Y,Lu)MnO. *Nature Communications*, **2016**, 7, 13146 | 17.4 | 36 |
| 86 | Opportunities and challenges of 2D magnetic van der Waals materials: magnetic graphene?. *Journal of Physics Condensed Matter*, **2016**, 28, 301001 | 1.8 | 82 |
| 85 | Hexagonal RMnO3: a model system for two-dimensional triangular lattice antiferromagnets. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2016**, 72, 3-19 | 1.8 | 36 |
| 84 | Robust singlet dimers with fragile ordering in two-dimensional honeycomb lattice of Li2RuO3. *Scientific Reports*, **2016**, 6, 25238 | 4.9 | 22 |
| 83 | Tunneling transport of mono- and few-layers magnetic van der Waals MnPS3. *APL Materials*, **2016**, 4, 086108 | 5.7 | 39 |
| 82 | Weyl fermions and spin dynamics of metallic ferromagnet SrRuO3. *Nature Communications*, **2016**, 7, 11788 | 17.4 | 48 |
| 81 | Magnon-phonon coupling and two-magnon continuum in the two-dimensional triangular antiferromagnet CuCrO2. *Physical Review B*, **2016**, 94, | 3.3 | 15 |
| 80 | Size Dependence of Metal-Insulator Transition in Stoichiometric Fe□4□ Nanocrystals. *Nano Letters*, **2015**, 15, 4337-42 | 11.5 | 77 |
| 79 | Electronic structure of Li2RuO3 studied by LDA and LDA+DMFT calculations and soft x-ray spectroscopy. *Physical Review B*, **2015**, 91, | 3.3 | 17 |
| 78 | Hollow Co@C prepared from a Co-ZIF@microporous organic network: magnetic adsorbents for aromatic pollutants in water. *Chemical Communications*, **2015**, 51, 17724-7 | 5.8 | 54 |
| 77 | Magnetically Separable Microporous Fe□orphyrin Networks for Catalytic Carbene Insertion into N□ Bonds. *ACS Catalysis*, **2015**, 5, 350-355 | 13.1 | 62 |
| 76 | Temperature-dependent interplay of Dzyaloshinskii-Moriya interaction and single-ion anisotropy in multiferroic BiFeO3. *Physical Review Letters*, **2014**, 113, 107202 | 7.4 | 45 |
| 75 | Structure and spin dynamics of multiferroic BiFeO3. *Journal of Physics Condensed Matter*, **2014**, 26, 433202 | 2.8 | 65 |

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| 74 | High-resolution structure studies and magnetoelectric coupling of relaxor multiferroic Pb(Fe0.5Nb0.5)O3. *Physical Review B*, **2014**, 90, | 3.3 | 13 |
| 73 | Successive spin-flop transitions of a Néel-type antiferromagnet Li2MnO3 single crystal with a honeycomb lattice. *Physical Review B*, **2014**, 90, | 3.3 | 11 |
| 72 | Negative magnetostrictive magnetoelectric coupling of BiFeO3. *Physical Review B*, **2013**, 88, | 3.3 | 50 |
| 71 | Magnon breakdown in a two dimensional triangular lattice Heisenberg antiferromagnet of multiferroic LuMnO3. *Physical Review Letters*, **2013**, 111, 257202 | 7.4 | 42 |
| 70 | Large in-plane deformation of RuO6 octahedron and ferromagnetism of bulk SrRuO3. *Journal of Physics Condensed Matter*, **2013**, 25, 465601 | 1.8 | 18 |
| 69 | Nanosession: Multiferroics - High Transition Temperatures **2013**, 347-355 | | |
| 68 | Antiferromagnetic ordering in Li$_2$MnO$_3$ single crystals with a two-dimensional honeycomb lattice. *Journal of Physics Condensed Matter*, **2012**, 24, 456004 | 1.8 | 27 |
| 67 | Nanoparticulate Iron Oxide Tubes from Microporous Organic Nanotubes as Stable Anode Materials for Lithium Ion Batteries. *Angewandte Chemie*, **2012**, 124, 6730-6734 | 3.6 | 27 |
| 66 | Spin wave measurements over the full Brillouin zone of multiferroic BiFeO3. *Physical Review Letters* , **2012**, 108, 077202 | 7.4 | 77 |
| 65 | Exchange bias behavior of monodisperse Fe3O4/Fe2O3 core/shell nanoparticles. *Current Applied Physics*, **2012**, 12, 808-811 | 2.6 | 24 |
| 64 | Large-scale synthesis of uniform and extremely small-sized iron oxide nanoparticles for high-resolution T1 magnetic resonance imaging contrast agents. *Journal of the American Chemical Society*, **2011**, 133, 12624-31 | 16.4 | 691 |
| 63 | Phase-Selective Growth of Assembled FeSe2 Nanorods from Organometallic Polymers and Their Surface Magnetism. *Crystal Growth and Design*, **2011**, 11, 2707-2710 | 3.5 | 48 |
| 62 | Block copolymer directed one-pot simple synthesis of L10-phase FePt nanoparticles inside ordered mesoporous aluminosilicate/carbon composites. *ACS Nano*, **2011**, 5, 1018-25 | 16.7 | 46 |
| 61 | Magnetoelectric Feedback among Magnetic Order, Polarization, and Lattice in Multiferroic BiFeO3. *Journal of the Physical Society of Japan*, **2011**, 80, 114714 | 1.5 | 35 |
| 60 | High Field Neutron Diffraction Studies on Metamagnetic Transition of Multiferroic BiFeO3. *Journal of the Physical Society of Japan*, **2011**, 80, 125001 | 1.5 | 28 |
| 59 | Spin fluctuations and structural modifications in frustrated multiferroics RMnO3 (R=Y, Lu) at high pressure. *High Pressure Research*, **2010**, 30, 252-257 | 1.6 | 5 |
| 58 | Doping dependence of spin-lattice coupling and two-dimensional ordering in multiferroic hexagonal Y1−xLuxMnO3 (0≤x≤1). *Physical Review B*, **2010**, 82, | 3.3 | 56 |
| 57 | TbxEr1−xNi5 compounds: An ideal model system for competing Ising-XY anisotropy energies. *Physical Review B*, **2009**, 79, | 3.3 | 18 |

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| 56 | Cyanide-bridged Fe(III)-Mn(III) bimetallic complexes with dimeric and chain structures constructed from a newly made mer-Fe tricyanide: structures and magnetic properties. *Inorganic Chemistry*, **2009**, 48, 2956-66 | 5.1 | 65 |
| 55 | Doping effects of multiferroic manganites YMn0.9X0.1O3 (X=Al, Ru, and Zn). *Physical Review B*, **2009**, 79, | 3.3 | 53 |
| 54 | Magnetically-separable and highly-stable enzyme system based on crosslinked enzyme aggregates shipped in magnetite-coated mesoporous silica. *Journal of Materials Chemistry*, **2009**, 19, 7864 | | 43 |
| 53 | Giant magneto-elastic coupling in multiferroic hexagonal manganites. *Nature*, **2008**, 451, 805-8 | 50.4 | 314 |
| 52 | Tricritical point and magnetocaloric effect of Nd1−xSrxMnO3. *Journal of Applied Physics*, **2008**, 103, 07B319 | 2.5 | 41 |
| 51 | High-pressure-induced spin-liquid phase of multiferroic YMnO3. *Physical Review B*, **2008**, 78, | 3.3 | 25 |
| 50 | Enhanced magnetic behavior in carbon encapsulated nickel nanotubules through a linear polymer template. *Applied Physics Letters*, **2008**, 92, 253104 | 3.4 | 7 |
| 49 | Inelastic neutron scattering from PrFe4P12 at low temperatures and under high magnetic fields. *Physical Review B*, **2008**, 77, | 3.3 | 13 |
| 48 | Muon spin relaxation study of non-Fermi-liquid behavior near the ferromagnetic quantum critical point in CePd0.15Rh0.85. *Physical Review B*, **2008**, 78, | 3.3 | 19 |
| 47 | Simple synthesis of functionalized superparamagnetic magnetite/silica core/shell nanoparticles and their application as magnetically separable high-performance biocatalysts. *Small*, **2008**, 4, 143-52 | 11 | 338 |
| 46 | A Facially Capped Body-Centered Ni9W6 Cubane Modified with Sulfur-Containing Bidentate Ligands: Structure and Magnetic Properties. *European Journal of Inorganic Chemistry*, **2008**, 2008, 3428-3431 | 2.3 | 21 |
| 45 | Synthesis of uniform-sized bimetallic iron–nickel phosphide nanorods. *Journal of Solid State Chemistry*, **2008**, 181, 1609-1613 | 3.3 | 38 |
| 44 | Magnetic Pd nanoparticles: effects of surface atoms. *Journal of Physics Condensed Matter*, **2008**, 20, 295209 | 2.2 | 17 |
| 43 | Growth of Epitaxial MgB2 Thick Films with Columnar Structures by Using HPCVD. *Chemical Vapor Deposition*, **2007**, 13, 680-683 | | 40 |
| 42 | Exchange bias and uncompensated spins in a Fe/Cr(100) bilayer. *Physica Status Solidi (B): Basic Research*, **2007**, 244, 4499-4502 | 1.3 | 6 |
| 41 | Pressure-induced spin fluctuations and spin reorientation in hexagonal manganites. *Journal of Physics Condensed Matter*, **2007**, 19, 156228 | 1.8 | 19 |
| 40 | Observation of two spin gap energies in the filled skutterudite compound CeOs4Sb12. *Physical Review B*, **2007**, 75, | 3.3 | 19 |
| 39 | Multiferroic properties of epitaxially stabilized hexagonal DyMnO3 thin films. *Applied Physics Letters*, **2007**, 90, 012903 | 3.4 | 57 |

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| 38 | Experimental studies of strong dipolar interparticle interaction in monodisperse Fe3O4 nanoparticles. *Applied Physics Letters*, **2007**, 91, 102502 | 3.4 | 53 |
| 37 | Resonant X-ray scattering study of quadrupole-strain coupling in DyB4. *Physical Review Letters*, **2007**, 99, 076401 | 7.4 | 21 |
| 36 | Kinetics of monodisperse iron oxide nanocrystal formation by "heating-up" process. *Journal of the American Chemical Society*, **2007**, 129, 12571-84 | 16.4 | 374 |
| 35 | Synthesis of hollow iron nanoframes. *Journal of the American Chemical Society*, **2007**, 129, 5812-3 | 16.4 | 178 |
| 34 | Uncommon ferromagnetic interactions in a homometallic Co(II) chain bridged by a single end-to-end azide. *Inorganic Chemistry*, **2007**, 46, 9054-6 | 5.1 | 51 |
| 33 | Magnetoelectric effects of nanoparticulate Pb(Zr0.52Ti0.48)O3□NiFe2O4 composite films. *Applied Physics Letters*, **2006**, 89, 102907 | 3.4 | 126 |
| 32 | Scientific Review: Magnetic Structure of Multiferroic Hexagonal Manganites. *Neutron News*, **2006**, 17, 24-27 | 0.4 | 5 |
| 31 | Magnetic fluorescent delivery vehicle using uniform mesoporous silica spheres embedded with monodisperse magnetic and semiconductor nanocrystals. *Journal of the American Chemical Society*, **2006**, 128, 688-9 | 16.4 | 797 |
| 30 | Synthesis, characterization, and self-assembly of pencil-shaped CoO nanorods. *Journal of the American Chemical Society*, **2006**, 128, 9753-60 | 16.4 | 194 |
| 29 | Spin gap in Tl2Ru2O7 and the possible formation of Haldane chains in three-dimensional crystals. *Nature Materials*, **2006**, 5, 471-6 | 27 | 98 |
| 28 | Direct observation of a coupling between spin, lattice and electric dipole moment in multiferroic YMnO3. *Physical Review B*, **2005**, 71, | 3.3 | 106 |
| 27 | The magnetic instability of Yb2Pd2(In,Sn) in a non-Fermi liquid environment. *Journal of Physics Condensed Matter*, **2005**, 17, S999-S1009 | 1.8 | 23 |
| 26 | Generalized synthesis of metal phosphide nanorods via thermal decomposition of continuously delivered metal-phosphine complexes using a syringe pump. *Journal of the American Chemical Society*, **2005**, 127, 8433-40 | 16.4 | 257 |
| 25 | Doping effects of hexagonal manganites Er1□YxMnO3 with triangular spin structure. *Physical Review B*, **2005**, 72, | 3.3 | 59 |
| 24 | Simple synthesis of mesoporous carbon with magnetic nanoparticles embedded in carbon rods. *Carbon*, **2005**, 43, 2536-2543 | 10.4 | 105 |
| 23 | One-nanometer-scale size-controlled synthesis of monodisperse magnetic iron oxide nanoparticles. *Angewandte Chemie - International Edition*, **2005**, 44, 2873-7 | 16.4 | 537 |
| 22 | Preparation of a magnetically switchable bio-electrocatalytic system employing cross-linked enzyme aggregates in magnetic mesocellular carbon foam. *Angewandte Chemie - International Edition*, **2005**, 44, 7427-32 | 16.4 | 128 |
| 21 | Large-Scale Synthesis of Uniform and Crystalline Magnetite Nanoparticles Using Reverse Micelles as Nanoreactors under Reflux Conditions. *Advanced Functional Materials*, **2005**, 15, 503-509 | 15.6 | 365 |

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| 20 | Monodisperse Nanoparticles of Ni and NiO: Synthesis, Characterization, Self-Assembled Superlattices, and Catalytic Applications in the Suzuki Coupling Reaction. *Advanced Materials*, **2005**, 17, 429-434 | 24 | 514 |
| 19 | Probing the vortex state of PrRu4Sb12 through muon spin rotation and relaxation. *Physical Review B*, **2005**, 72, | 3.3 | 20 |
| 18 | Ultra-large-scale syntheses of monodisperse nanocrystals. *Nature Materials*, **2004**, 3, 891-5 | 27 | 3372 |
| 17 | Direct Synthesis of Highly Crystalline and Monodisperse Manganese Ferrite Nanocrystals. *Journal of Physical Chemistry B*, **2004**, 108, 13932-13935 | 3.4 | 103 |
| 16 | Synthesis, Characterization, and Magnetic Properties of Uniform-sized MnO Nanospheres and Nanorods. *Journal of Physical Chemistry B*, **2004**, 108, 13594-13598 | 3.4 | 114 |
| 15 | Thermal conductivity of geometrically frustrated, ferroelectric YMnO3: extraordinary spin-phonon interactions. *Physical Review Letters*, **2004**, 93, 177202 | 7.4 | 135 |
| 14 | A new model for the crystal field and the quadrupolar phase transitions of UPd3. *Journal of Physics Condensed Matter*, **2003**, 15, S1923-S1935 | 1.8 | 25 |
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