

# Kristjan Haule

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|--------------------|--------------------------|----------------|-----------------|
| 169<br>papers      | 11,045<br>citations      | 54<br>h-index  | 102<br>g-index  |
| 174<br>ext. papers | 12,807<br>ext. citations | 7.1<br>avg, IF | 6.72<br>L-index |

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 169 | Global perspectives of the bulk electronic structure of URu <sub>2</sub> Si <sub>2</sub> from angle-resolved photoemission. <i>Electronic Structure</i> , <b>2022</b> , 4, 013001  | 2.6  | 0         |
| 168 | Single-particle excitations in the uniform electron gas by diagrammatic Monte Carlo.. <i>Scientific Reports</i> , <b>2022</b> , 12, 2294   | 4.9  | 0         |
| 167 | Nonreciprocal directional dichroism at telecom wavelengths. <i>Npj Quantum Materials</i> , <b>2022</b> , 7,  | 5    | 1         |
| 166 | Reply to: "Extracting Kondo temperature of strongly-correlated systems from the inverse local magnetic susceptibility". <i>Nature Communications</i> , <b>2021</b> , 12, 1445  | 17.4 | 1         |
| 165 | Exploring few and single layer CrPS <sub>4</sub> with near-field infrared spectroscopy. <i>2D Materials</i> , <b>2021</b> , 8, 035020  | 5.9  | 4         |
| 164 | Vacancy defect control of colossal thermopower in FeSb <sub>2</sub> . <i>Npj Quantum Materials</i> , <b>2021</b> , 6,  | 5    | 5         |
| 163 | Molecular Mott state in the deficient spinel GaV <sub>4</sub> S <sub>8</sub> . <i>Physical Review B</i> , <b>2020</b> , 102,   | 3.3  | 8         |
| 162 | Nonreciprocal directional dichroism of a chiral magnet in the visible range. <i>Npj Quantum Materials</i> , <b>2020</b> , 5,   | 5    | 10        |
| 161 | Magnetic phase transitions and spin density distribution in the molecular multiferroic system GaV <sub>4</sub> S <sub>8</sub> . <i>Physical Review B</i> , <b>2020</b> , 102,  | 3.3  | 4         |
| 160 | Lattice dynamics and structural transition of the hyperhoneycomb iridate Bi <sub>2</sub> IrO <sub>3</sub> investigated by high-pressure Raman scattering. <i>Physical Review B</i> , <b>2020</b> , 101,                                  | 3.3  | 4         |
| 159 | Correlation driven phonon anomalies in bulk FeSe. <i>Physical Review B</i> , <b>2020</b> , 102,  | 3.3  | 1         |
| 158 | The joint automated repository for various integrated simulations (JARVIS) for data-driven materials design. <i>Npj Computational Materials</i> , <b>2020</b> , 6,   | 10.9 | 51        |
| 157 | Symmetry crossover in layered MPS <sub>3</sub> complexes (M=Mn, Fe, Ni) via near-field infrared spectroscopy. <i>Physical Review B</i> , <b>2020</b> , 102,  | 3.3  | 4         |
| 156 | Spectroscopic and first principle DFT+eDMFT study of complex structural, electronic, and vibrational properties of M <sub>2</sub> Mo <sub>3</sub> O <sub>8</sub> (M=Fe, Mn) polar magnets. <i>Physical Review B</i> , <b>2020</b> , 102, | 3.3  | 6         |
| 155 | Piezochromism in the magnetic chalcogenide MnPS <sub>3</sub> . <i>Npj Quantum Materials</i> , <b>2020</b> , 5,   | 5    | 4         |
| 154 | Efficient lattice dynamics calculations for correlated materials with DFT+DMFT. <i>Physical Review B</i> , <b>2020</b> , 102,  | 3.3  | 5         |
| 153 | Charge order and broken rotational symmetry in magic-angle twisted bilayer graphene. <i>Nature</i> , <b>2019</b> , 573, 91-95  | 50.4 | 255       |

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| 152 | Near-field infrared spectroscopy of monolayer MnPS <sub>3</sub> . <i>Physical Review B</i> , <b>2019</b> , 100,  | 3.3  | 10 |
| 151 | A combined variational and diagrammatic quantum Monte Carlo approach to the many-electron problem. <i>Nature Communications</i> , <b>2019</b> , 10, 3725   | 17.4 | 14 |
| 150 | First-principles study of the electronic structure and the Fermi surface in rare-earth filled skutterudites RPt <sub>4</sub> Ge <sub>12</sub> . <i>Physical Review B</i> , <b>2019</b> , 100,      | 3.3  | 2  |
| 149 | Interfacial charge-transfer Mott state in iridate-nickelate superlattices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 19863-19868 | 11.5 | 17 |
| 148 | Signatures of Mottness and Hundness in archetypal correlated metals. <i>Nature Communications</i> , <b>2019</b> , 10, 2721   | 17.4 | 21 |
| 147 | Energy scales of the doped Anderson lattice model. <i>Physical Review B</i> , <b>2019</b> , 99,  | 3.3  | 3  |
| 146 | Electronic spin transition in FeO <sub>2</sub> : Evidence for Fe(II) with peroxide O <sub>22</sub> <sup>-</sup> . <i>Physical Review B</i> , <b>2019</b> , 100,                                    | 3.3  | 10 |
| 145 | Systematic beyond-DFT study of binary transition metal oxides. <i>Npj Computational Materials</i> , <b>2019</b> , 5,   | 10.9 | 22 |
| 144 | Influence of magnetic ordering on the spectral properties of binary transition metal oxides. <i>Physical Review B</i> , <b>2019</b> , 100,   | 3.3  | 8  |
| 143 | Mott Metal-Insulator Transitions in Pressurized Layered Trichalcogenides. <i>Physical Review Letters</i> , <b>2019</b> , 123, 236401   | 7.4  | 16 |
| 142 | Structural predictions for Correlated Electron Materials Using the Functional Dynamical Mean Field Theory Approach. <i>Journal of the Physical Society of Japan</i> , <b>2018</b> , 87, 041005     | 1.5  | 24 |
| 141 | Phonon Softening due to Melting of the Ferromagnetic Order in Elemental Iron. <i>Physical Review Letters</i> , <b>2018</b> , 120, 187203   | 7.4  | 14 |
| 140 | Overcomplete compact representation of two-particle Green's functions. <i>Physical Review B</i> , <b>2018</b> , 97,  | 3.3  | 16 |
| 139 | Trimer bonding states on the surface of the transition-metal dichalcogenide TaTe <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,   | 3.3  | 8  |
| 138 | Covalency-driven collapse of strong spin-orbit coupling in face-sharing iridium octahedra. <i>Physical Review B</i> , <b>2018</b> , 98,  | 3.3  | 10 |
| 137 | Nature of the magnetic interactions in Sr <sub>3</sub> NiIrO <sub>6</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,   | 3.3  | 4  |
| 136 | Valence and spin fluctuations in the Mn-doped ferroelectric BaTiO <sub>3</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,  | 3.3  | 5  |
| 135 | Thermal Conductivity and Electrical Resistivity of Solid Iron at Earth's Core Conditions from First Principles. <i>Physical Review Letters</i> , <b>2018</b> , 121, 096601                         | 7.4  | 40 |

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| 134 | Metal-Insulator Transition and Topological Properties of Pyrochlore Iridates. <i>Physical Review Letters</i> , <b>2017</b> , 118, 026404   | 7.4 | 50 |
| 133 | Dynamic electronic correlation effects in NbO <sub>2</sub> as compared to VO <sub>2</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,   | 3.3 | 20 |
| 132 | Diatomic molecule as a testbed for combining DMFT with electronic structure methods such as GW and DFT. <i>Physical Review B</i> , <b>2017</b> , 95,   | 3.3 | 9  |
| 131 | Validity of the local approximation in iron pnictides and chalcogenides. <i>Physical Review B</i> , <b>2017</b> , 95,  | 3.3 | 9  |
| 130 | Magnetic phase diagram of FeO at high pressure. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 827, 012006.  | 3   | 1  |
| 129 | Pressure on Correlated Materials: Transport in iron and implications for the geodynamo, and electronic transitions in iron compounds. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 950, 032018 | 0.3 |    |
| 128 | Two-Dimensional Massless Dirac Fermions in Antiferromagnetic AFe <sub>2</sub> As <sub>2</sub> (A=Ba,Sr). <i>Physical Review Letters</i> , <b>2017</b> , 119, 096401  | 7.4 | 16 |
| 127 | Mott Transition and Magnetism in Rare Earth Nickelates and its Fingerprint on the X-ray Scattering. <i>Scientific Reports</i> , <b>2017</b> , 7, 10375   | 4.9 | 23 |
| 126 | How Correlated is the FeSe/SrTiO <sub>3</sub> System?. <i>Physical Review Letters</i> , <b>2017</b> , 119, 067004  | 7.4 | 34 |
| 125 | Correlation-driven metal-insulator transition in proximity to an iron-based superconductor. <i>Physical Review B</i> , <b>2017</b> , 96,   | 3.3 | 8  |
| 124 | Role of entropy and structural parameters in the spin-state transition of LaCoO <sub>3</sub> . <i>Physical Review Materials</i> , <b>2017</b> , 1,   | 3.2 | 17 |
| 123 | Spin excitations in optimally P-doped BaFe <sub>2</sub> (As <sub>0.7</sub> P <sub>0.3</sub> ) <sub>2</sub> superconductor. <i>Physical Review B</i> , <b>2016</b> , 94,  | 3.3 | 14 |
| 122 | Forces for structural optimizations in correlated materials within a DFT+embedded DMFT functional approach. <i>Physical Review B</i> , <b>2016</b> , 94,   | 3.3 | 42 |
| 121 | Analogy Between the "Hidden Order" and the Orbital Antiferromagnetism in URu <sub>2-x</sub> Fe <sub>x</sub> Si <sub>2</sub> . <i>Physical Review Letters</i> , <b>2016</b> , 117, 227601                       | 7.4 | 17 |
| 120 | Visualizing anisotropic propagation of stripe domain walls in staircaselike transitions of IrTe <sub>2</sub> . <i>Physical Review B</i> , <b>2016</b> , 94,  | 3.3 | 6  |
| 119 | Orbital Selective Spin Excitations and their Impact on Superconductivity of LiFe <sub>1-x</sub> Co <sub>x</sub> As. <i>Physical Review Letters</i> , <b>2016</b> , 116, 247001                                 | 7.4 | 28 |
| 118 | Transport Properties of Metallic Ruthenates: A DFT+DMFT Investigation. <i>Physical Review Letters</i> , <b>2016</b> , 116, 256401  | 7.4 | 34 |
| 117 | First-principles treatment of Mott insulators: linearized QSGW+DMFT approach. <i>Npj Quantum Materials</i> , <b>2016</b> , 1,  | 5   | 42 |

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| 116 | Orbital-differentiated coherence-incoherence crossover identified by photoemission spectroscopy in LiFeAs. <i>Physical Review B</i> , <b>2016</b> , 94,                          | 3.3  | 32 |
| 115 | Origin of doping-induced suppression and reemergence of magnetism in LaFeAsO <sub>1-x</sub> H <sub>x</sub> . <i>Physical Review B</i> , <b>2016</b> , 94,                        | 3.3  | 10 |
| 114 | Retraction: Effects of electron correlations on transport properties of iron at Earth's core conditions. <i>Nature</i> , <b>2016</b> , 536, 112                                  | 50.4 | 11 |
| 113 | Magnetoelectric Coupling through the Spin Flop Transition in Ni <sub>3</sub> TeO <sub>6</sub> . <i>Physical Review Letters</i> , <b>2016</b> , 117, 147402                       | 7.4  | 15 |
| 112 | Metal-Insulator Transition in VO <sub>2</sub> : A DFT+DMFT Perspective. <i>Physical Review Letters</i> , <b>2016</b> , 117, 056402   | 7.4  | 68 |
| 111 | The valence-fluctuating ground state of plutonium. <i>Science Advances</i> , <b>2015</b> , 1, e1500188   | 14.3 | 66 |
| 110 | Dynamical mean field theory for diatomic molecules and the exact double counting. <i>Physical Review B</i> , <b>2015</b> , 91,   | 3.3  | 10 |
| 109 | Fermi surface of IrTe <sub>2</sub> in the valence-bond state as determined by quantum oscillations. <i>Physical Review B</i> , <b>2015</b> , 91,                                 | 3.3  | 4  |
| 108 | First-principles study of the Kondo physics of a single Pu impurity in a Th host. <i>Physical Review B</i> , <b>2015</b> , 91,   | 3.3  | 5  |
| 107 | Exact Double Counting in Combining the Dynamical Mean Field Theory and the Density Functional Theory. <i>Physical Review Letters</i> , <b>2015</b> , 115, 196403                 | 7.4  | 96 |
| 106 | Free Energy from Stationary Implementation of the DFT+DMFT Functional. <i>Physical Review Letters</i> , <b>2015</b> , 115, 256402  | 7.4  | 61 |
| 105 | Unveiling hidden ferrimagnetism and giant magnetoelectricity in polar magnet Fe <sub>2</sub> Mo <sub>3</sub> O <sub>8</sub> . <i>Scientific Reports</i> , <b>2015</b> , 5, 12268 | 4.9  | 56 |
| 104 | J(eff)=1/2 Mott-insulating state in Rh and Ir fluorides. <i>Physical Review Letters</i> , <b>2015</b> , 114, 096403  | 7.4  | 20 |
| 103 | Heavy fermions. Chirality density wave of the "hidden order" phase in URu <sub>2</sub> Si. <i>Science</i> , <b>2015</b> , 347, 1339-42   | 33.3 | 65 |
| 102 | Optical evidence for bonding-antibonding splitting in IrTe <sub>2</sub> . <i>Physical Review B</i> , <b>2015</b> , 91,   | 3.3  | 8  |
| 101 | Effects of electron correlations on transport properties of iron at Earth's core conditions. <i>Nature</i> , <b>2015</b> , 517, 605-7  | 50.4 | 51 |
| 100 | Effect of Pnictogen Height on Spin Waves in Iron Pnictides. <i>Physical Review Letters</i> , <b>2014</b> , 112,  | 7.4  | 48 |
| 99  | Covalency in transition-metal oxides within all-electron dynamical mean-field theory. <i>Physical Review B</i> , <b>2014</b> , 90,   | 3.3  | 48 |

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| 98 | Lazy skip-lists: An algorithm for fast hybridization-expansion quantum Monte Carlo. <i>Physical Review B</i> , <b>2014</b> , 90,   | 3.3  | 32  |
| 97 | Pressure suppression of electron correlation in the collapsed tetragonal phase of CaFe <sub>2</sub> As <sub>2</sub> : A DFT-DMFT investigation. <i>Physical Review B</i> , <b>2014</b> , 90, | 3.3  | 24  |
| 96 | Spin dynamics and orbital-antiphase pairing symmetry in iron-based superconductors. <i>Nature Physics</i> , <b>2014</b> , 10, 845-850  | 16.2 | 118 |
| 95 | Transition in cerium: Magnetic form factor and dynamic magnetic susceptibility in dynamical mean-field theory. <i>Physical Review B</i> , <b>2014</b> , 89,                                  | 3.3  | 22  |
| 94 | Strong pressure-dependent electron-phonon coupling in FeSe. <i>Physical Review B</i> , <b>2014</b> , 89,   | 3.3  | 55  |
| 93 | Shining light on transition-metal oxides: unveiling the hidden Fermi liquid. <i>Physical Review Letters</i> , <b>2014</b> , 113, 246404  | 7.4  | 32  |
| 92 | Hierarchical stripe phases in IrTe <sub>2</sub> driven by competition between Ir dimerization and Te bonding. <i>Physical Review B</i> , <b>2014</b> , 90,                                   | 3.3  | 20  |
| 91 | Series of alternating states with unpolarized and spin-polarized bands in dimerized IrTe <sub>2</sub> . <i>Physical Review B</i> , <b>2014</b> , 90,   | 3.3  | 18  |
| 90 | Dimerization-Induced Cross-Layer Quasi-Two-Dimensionality in Metallic IrTe <sub>2</sub> . <i>Physical Review Letters</i> , <b>2014</b> , 112,  | 7.4  | 66  |
| 89 | Quantum anomalous Hall phase in (001) double-perovskite monolayers via intersite spin-orbit coupling. <i>Physical Review B</i> , <b>2014</b> , 90,   | 3.3  | 23  |
| 88 | Hidden Fermi liquid, scattering rate saturation, and Nernst effect: a dynamical mean-field theory perspective. <i>Physical Review Letters</i> , <b>2013</b> , 111, 036401                    | 7.4  | 52  |
| 87 | Site-selective electronic correlation in plutonium metal. <i>Nature Communications</i> , <b>2013</b> , 4, 2644   | 17.4 | 44  |
| 86 | Isosubstructural transition in cerium. <i>Physical Review Letters</i> , <b>2013</b> , 111, 196801  | 7.4  | 51  |
| 85 | Plutonium hexaboride is a correlated topological insulator. <i>Physical Review Letters</i> , <b>2013</b> , 111, 176404   | 7.4  | 59  |
| 84 | Doping dependence of spin excitations and its correlations with high-temperature superconductivity in iron pnictides. <i>Nature Communications</i> , <b>2013</b> , 4, 2874                   | 17.4 | 82  |
| 83 | Observation of a kink during the formation of the Kondo resonance band in a heavy-fermion system. <i>Physical Review B</i> , <b>2013</b> , 88,   | 3.3  | 11  |
| 82 | c-axis resistivity, pseudogap, superconductivity, and Widom line in doped Mott insulators. <i>Physical Review B</i> , <b>2013</b> , 87,  | 3.3  | 37  |
| 81 | Effective J=1/2 insulating state in Ruddlesden-Popper iridates: an LDA+DMFT study. <i>Physical Review Letters</i> , <b>2013</b> , 111, 246402  | 7.4  | 104 |

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| 80 | Thermopower of the Correlated Narrow Gap Semiconductor FeSi and Comparison to RuSi. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , <b>2013</b> , 45-57   | 0.2  | 5   |
| 79 | Signatures of electronic correlations in iron silicide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 3243-6  | 11.5 | 68  |
| 78 | Electronic structure of Pu and Am metals by self-consistent relativistic GW method. <i>Physical Review B</i> , <b>2012</b> , 85,  | 3.3  | 56  |
| 77 | Experimental and theoretical evidence for pressure-induced metallization in FeO with rocksalt-type structure. <i>Physical Review Letters</i> , <b>2012</b> , 108, 026403  | 7.4  | 96  |
| 76 | Fractional power-law behavior and its origin in iron-chalcogenide and ruthenate superconductors: Insights from first-principles calculations. <i>Physical Review B</i> , <b>2012</b> , 86,  | 3.3  | 88  |
| 75 | Strong coupling superconductivity, pseudogap, and Mott transition. <i>Physical Review Letters</i> , <b>2012</b> , 108, 216401   | 7.4  | 103 |
| 74 | Nature of magnetic excitations in superconducting BaFe <sub>1.9</sub> Ni <sub>0.1</sub> As <sub>2</sub> . <i>Nature Physics</i> , <b>2012</b> , 8, 376-381  | 16.2 | 109 |
| 73 | Scaling of the transition temperature of hole-doped cuprate superconductors with the charge-transfer energy. <i>Europhysics Letters</i> , <b>2012</b> , 100, 37001  | 1.6  | 65  |
| 72 | Wigner-Mott scaling of transport near the two-dimensional metal-insulator transition. <i>Physical Review B</i> , <b>2012</b> , 85,  | 3.3  | 28  |
| 71 | Ground state of the parallel double quantum dot system. <i>Physical Review Letters</i> , <b>2012</b> , 108, 066602  | 7.4  | 21  |
| 70 | Orbital selective Fermi surface shifts and mechanism of high T(c) superconductivity in correlated AFeAs (A=Li, Na). <i>Physical Review Letters</i> , <b>2012</b> , 109, 177001  | 7.4  | 61  |
| 69 | Electronic correlations and unconventional spectral weight transfer in the high-temperature pnictide BaFe(2-x)Co(x)As(2) superconductor using infrared spectroscopy. <i>Physical Review Letters</i> , <b>2012</b> , 108, 147002               | 7.4  | 56  |
| 68 | Publisher's Note: Fractional power-law behavior and its origin in iron-chalcogenide and ruthenate superconductors: Insights from first-principles calculations [Phys. Rev. B 86, 195141 (2012)]. <i>Physical Review B</i> , <b>2012</b> , 86, | 3.3  | 4   |
| 67 | Temperature-dependent Fermi surface evolution in heavy fermion CeIrIn <sub>5</sub> . <i>Physical Review Letters</i> , <b>2012</b> , 108, 016402   | 7.4  | 52  |
| 66 | Pseudogap temperature as a Widom line in doped Mott insulators. <i>Scientific Reports</i> , <b>2012</b> , 2, 547  | 4.9  | 54  |
| 65 | Electronic structure and correlation effects in PuCoIn <sub>5</sub> as compared to PuCoGa <sub>5</sub> . <i>Europhysics Letters</i> , <b>2012</b> , 97, 57001   | 1.6  | 32  |
| 64 | Optical study of strained ultrathin films of strongly correlated LaNiO <sub>3</sub> . <i>Physical Review B</i> , <b>2011</b> , 83,  | 3.3  | 53  |
| 63 | Kinetic frustration and the nature of the magnetic and paramagnetic states in iron pnictides and iron chalcogenides. <i>Nature Materials</i> , <b>2011</b> , 10, 932-5  | 27   | 542 |

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| 62 | Neutron magnetic form factor in strongly correlated materials. <i>Physical Review Letters</i> , <b>2011</b> , 106, 016403   | 3.4  | 22  |
| 61 | Magnetism and charge dynamics in iron pnictides. <i>Nature Physics</i> , <b>2011</b> , 7, 294-297   | 16.2 | 208 |
| 60 | Electrodynamics of correlated electron materials. <i>Reviews of Modern Physics</i> , <b>2011</b> , 83, 471-541  | 40.5 | 501 |
| 59 | Electronic correlation and transport properties of nuclear fuel materials. <i>Physical Review B</i> , <b>2011</b> , 84,   | 3.3  | 87  |
| 58 | Coherence-incoherence crossover and the mass-renormalization puzzles in Sr(2)RuO(4). <i>Physical Review Letters</i> , <b>2011</b> , 106, 096401   | 7.4  | 156 |
| 57 | Magnetic excitation spectra in BaFe <sub>2</sub> As <sub>2</sub> : a two-particle approach within a combination of the density functional theory and the dynamical mean-field theory method. <i>Physical Review Letters</i> , <b>2011</b> , 107, 137007 | 7.4  | 68  |
| 56 | Phase diagram, energy scales, and nonlocal correlations in the Anderson lattice model. <i>Physical Review B</i> , <b>2011</b> , 84,   | 3.3  | 19  |
| 55 | Mott physics and first-order transition between two metals in the normal-state phase diagram of the two-dimensional Hubbard model. <i>Physical Review B</i> , <b>2011</b> , 84,   | 3.3  | 61  |
| 54 | Optical probe of strong correlations in LaNiO <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 033514  | 2.5  | 27  |
| 53 | Local suppression of the hidden-order phase by impurities in URu <sub>2</sub> Si <sub>2</sub> . <i>Physical Review B</i> , <b>2011</b> , 83,  | 3.3  | 6   |
| 52 | Strength of correlations in electron- and hole-doped cuprates. <i>Nature Physics</i> , <b>2010</b> , 6, 574-578   | 16.2 | 123 |
| 51 | Computational modeling of actinide materials and complexes. <i>MRS Bulletin</i> , <b>2010</b> , 35, 883-888   | 3.2  | 58  |
| 50 | Apical oxygens and correlation strength in electron- and hole-doped copper oxides. <i>Physical Review B</i> , <b>2010</b> , 82,   | 3.3  | 79  |
| 49 | Finite doping signatures of the Mott transition in the two-dimensional Hubbard model. <i>Physical Review Letters</i> , <b>2010</b> , 104, 226402  | 7.4  | 75  |
| 48 | Influence of disorder on incoherent transport near the Mott transition. <i>Physical Review B</i> , <b>2010</b> , 81,  | 3.3  | 20  |
| 47 | Valence fluctuations and quasiparticle multiplets in plutonium chalcogenides and pnictides. <i>Physical Review B</i> , <b>2010</b> , 81,  | 3.3  | 29  |
| 46 | Self-consistent GW determination of the interaction strength: Application to the iron arsenide superconductors. <i>Physical Review B</i> , <b>2010</b> , 82,  | 3.3  | 85  |
| 45 | Complex Landau-Ginzburg theory of the hidden order in URu <sub>2</sub> Si <sub>2</sub> . <i>Europhysics Letters</i> , <b>2010</b> , 89, 57006   | 1.6  | 31  |



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| 44 | Effects of strain on the electronic structure of VO <sub>2</sub> . <i>Physical Review B</i> , <b>2010</b> , 81,  | 3.3  | 91  |
| 43 | Dynamical mean-field theory for molecular electronics: Electronic structure and transport properties. <i>Physical Review B</i> , <b>2010</b> , 82,   | 3.3  | 54  |
| 42 | Extended Hubbard model: Charge ordering and Wigner-Mott transition. <i>Physical Review B</i> , <b>2010</b> , 82,   | 3.3  | 36  |
| 41 | Thermopower of correlated semiconductors: Application to FeAs <sub>2</sub> and FeSb <sub>2</sub> . <i>Physical Review B</i> , <b>2010</b> , 82,  | 3.3  | 69  |
| 40 | Dynamical mean-field theory within the full-potential methods: Electronic structure of CeIrIn <sub>5</sub> , CeCoIn <sub>5</sub> , and CeRhIn <sub>5</sub> . <i>Physical Review B</i> , <b>2010</b> , 81,                                    | 3.3  | 338 |
| 39 | Density-functional calculations of the electronic structures and magnetism of the pnictide superconductors BaFeAs <sub>2</sub> and BaFeSb <sub>2</sub> . <i>Physical Review B</i> , <b>2009</b> , 79,  | 3.3  | 24  |
| 38 | X-ray absorption branching ratio in actinides: LDA+DMFT approach. <i>Europhysics Letters</i> , <b>2009</b> , 85, 17007   | 1.6  | 28  |
| 37 | Kondo effect and conductance of nanocontacts with magnetic impurities. <i>Physical Review Letters</i> , <b>2009</b> , 103, 016803  | 7.4  | 41  |
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