

Kristjan Haule

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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.

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

#	Paper	IF	Citations
169	Electronic structure calculations with dynamical mean-field theory. <i>Reviews of Modern Physics</i> , 2006 , 78, 865-951	40.5	1648
168	Kinetic frustration and the nature of the magnetic and paramagnetic states in iron pnictides and iron chalcogenides. <i>Nature Materials</i> , 2011 , 10, 932-5	27	542
167	Electrodynamics of correlated electron materials. <i>Reviews of Modern Physics</i> , 2011 , 83, 471-541	40.5	501
166	Correlated electronic structure of $\text{LaO}_{1-x}\text{F}_x\text{FeAs}$. <i>Physical Review Letters</i> , 2008 , 100, 226402	7.4	451
165	Quantum Monte Carlo impurity solver for cluster dynamical mean-field theory and electronic structure calculations with adjustable cluster base. <i>Physical Review B</i> , 2007 , 75,	3.3	357
164	Dynamical mean-field theory within the full-potential methods: Electronic structure of CeIrIn_5 , CeCoIn_5 , and CeRhIn_5 . <i>Physical Review B</i> , 2010 , 81,	3.3	338
163	Coherence/incoherence crossover in the normal state of iron oxypnictides and importance of Hund's rule coupling. <i>New Journal of Physics</i> , 2009 , 11, 025021	2.9	333
162	Charge order and broken rotational symmetry in magic-angle twisted bilayer graphene. <i>Nature</i> , 2019 , 573, 91-95	50.4	255
161	Fluctuating valence in a correlated solid and the anomalous properties of delta-plutonium. <i>Nature</i> , 2007 , 446, 513-6	50.4	210
160	Magnetism and charge dynamics in iron pnictides. <i>Nature Physics</i> , 2011 , 7, 294-297	16.2	208
159	Cluster dynamical mean field theory of the Mott transition. <i>Physical Review Letters</i> , 2008 , 101, 186403	7.4	197
158	Arrested Kondo effect and hidden order in URu_2Si_2 . <i>Nature Physics</i> , 2009 , 5, 796-799	16.2	173
157	Coherence-incoherence crossover and the mass-renormalization puzzles in $\text{Sr}(2)\text{RuO}_4$. <i>Physical Review Letters</i> , 2011 , 106, 096401	7.4	156
156	Strongly correlated superconductivity: A plaquette dynamical mean-field theory study. <i>Physical Review B</i> , 2007 , 76,	3.3	149
155	Modeling the localized-to-itinerant electronic transition in the heavy fermion system CeIrIn_5 . <i>Science</i> , 2007 , 318, 1615-7	33.3	142
154	Strength of correlations in electron- and hole-doped cuprates. <i>Nature Physics</i> , 2010 , 6, 574-578	16.2	123
153	Spin dynamics and orbital-antiphase pairing symmetry in iron-based superconductors. <i>Nature Physics</i> , 2014 , 10, 845-850	16.2	118

152	Nature of magnetic excitations in superconducting BaFe _{1.9} Ni _{0.1} As ₂ . <i>Nature Physics</i> , 2012 , 8, 376-381	16.2	109
151	Anderson impurity model at finite Coulomb interaction U: Generalized noncrossing approximation. <i>Physical Review B</i> , 2001 , 64,	3.3	107
150	Effective J=1/2 insulating state in Ruddlesden-Popper iridates: an LDA+DMFT study. <i>Physical Review Letters</i> , 2013 , 111, 246402	7.4	104
149	Strong coupling superconductivity, pseudogap, and Mott transition. <i>Physical Review Letters</i> , 2012 , 108, 216401	7.4	103
148	Exact Double Counting in Combining the Dynamical Mean Field Theory and the Density Functional Theory. <i>Physical Review Letters</i> , 2015 , 115, 196403	7.4	96
147	Experimental and theoretical evidence for pressure-induced metallization in FeO with rocksalt-type structure. <i>Physical Review Letters</i> , 2012 , 108, 026403	7.4	96
146	Effects of strain on the electronic structure of VO ₂ . <i>Physical Review B</i> , 2010 , 81,	3.3	91
145	The alpha--> gamma transition in Ce: a theoretical view from optical spectroscopy. <i>Physical Review Letters</i> , 2005 , 94, 036401	7.4	89
144	Fractional power-law behavior and its origin in iron-chalcogenide and ruthenate superconductors: Insights from first-principles calculations. <i>Physical Review B</i> , 2012 , 86,	3.3	88
143	Electronic correlation and transport properties of nuclear fuel materials. <i>Physical Review B</i> , 2011 , 84,	3.3	87
142	Self-consistent GW determination of the interaction strength: Application to the iron arsenide superconductors. <i>Physical Review B</i> , 2010 , 82,	3.3	85
141	Doping dependence of spin excitations and its correlations with high-temperature superconductivity in iron pnictides. <i>Nature Communications</i> , 2013 , 4, 2874	17.4	82
140	Many-body electronic structure of americium metal. <i>Physical Review Letters</i> , 2006 , 96, 036404	7.4	82
139	Apical oxygens and correlation strength in electron- and hole-doped copper oxides. <i>Physical Review B</i> , 2010 , 82,	3.3	79
138	Finite doping signatures of the Mott transition in the two-dimensional Hubbard model. <i>Physical Review Letters</i> , 2010 , 104, 226402	7.4	75
137	Thermopower of correlated semiconductors: Application to FeAs ₂ and FeSb ₂ . <i>Physical Review B</i> , 2010 , 82,	3.3	69
136	Signatures of electronic correlations in iron silicide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 3243-6	11.5	68
135	Magnetic excitation spectra in BaFe ₂ As ₂ : a two-particle approach within a combination of the density functional theory and the dynamical mean-field theory method. <i>Physical Review Letters</i> , 2011 , 107, 137007	7.4	68

134	Inelastic tunneling through mesoscopic structures. <i>Physical Review B</i> , 1999 , 59, 13087-13093	3.3	68
133	Metal-Insulator Transition in VO ₂ : A DFT+DMFT Perspective. <i>Physical Review Letters</i> , 2016 , 117, 056402	7.4	68
132	The valence-fluctuating ground state of plutonium. <i>Science Advances</i> , 2015 , 1, e1500188	14.3	66
131	Dimerization-Induced Cross-Layer Quasi-Two-Dimensionality in Metallic IrTe ₂ . <i>Physical Review Letters</i> , 2014 , 112,	7.4	66
130	Heavy fermions. Chirality density wave of the "hidden order" phase in URu ₂ Si. <i>Science</i> , 2015 , 347, 1339-42	33.3	65
129	Scaling of the transition temperature of hole-doped cuprate superconductors with the charge-transfer energy. <i>Europhysics Letters</i> , 2012 , 100, 37001	1.6	65
128	Nodal-antinodal dichotomy and the two gaps of a superconducting doped Mott insulator. <i>Physical Review Letters</i> , 2008 , 100, 046402	7.4	65
127	Electronic coherence in delta-Pu: a dynamical mean-field theory study. <i>Physical Review Letters</i> , 2008 , 101, 056403	7.4	62
126	Free Energy from Stationary Implementation of the DFT+DMFT Functional. <i>Physical Review Letters</i> , 2015 , 115, 256402	7.4	61
125	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> , 2011 , 84,	3.3	61
124	Orbital selective Fermi surface shifts and mechanism of high T _c superconductivity in correlated AFeAs (A=Li, Na). <i>Physical Review Letters</i> , 2012 , 109, 177001	7.4	61
123	Optical weights and waterfalls in doped charge-transfer insulators: A local density approximation and dynamical mean-field theory study of La _{2-x} Sr _x CuO ₄ . <i>Physical Review B</i> , 2008 , 78,	3.3	60
122	Plutonium hexaboride is a correlated topological insulator. <i>Physical Review Letters</i> , 2013 , 111, 176404	7.4	59
121	Doping dependence of the redistribution of optical spectral weight in Bi ₂ Sr ₂ CaCu ₂ O _{8+x} . <i>Physical Review B</i> , 2006 , 74,	3.3	59
120	Computational modeling of actinide materials and complexes. <i>MRS Bulletin</i> , 2010 , 35, 883-888	3.2	58
119	Unveiling hidden ferrimagnetism and giant magnetoelectricity in polar magnet Fe ₂ Mo ₃ O ₈ . <i>Scientific Reports</i> , 2015 , 5, 12268	4.9	56
118	Electronic structure of Pu and Am metals by self-consistent relativistic GW method. <i>Physical Review B</i> , 2012 , 85,	3.3	56
117	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> , 2012 , 108, 147002	7.4	56

116	Strong pressure-dependent electron-phonon coupling in FeSe. <i>Physical Review B</i> , 2014 , 89,	3.3	55
115	Dynamical mean-field theory for molecular electronics: Electronic structure and transport properties. <i>Physical Review B</i> , 2010 , 82,	3.3	54
114	Pseudogap temperature as a Widom line in doped Mott insulators. <i>Scientific Reports</i> , 2012 , 2, 547	4.9	54
113	Optical study of strained ultrathin films of strongly correlated LaNiO ₃ . <i>Physical Review B</i> , 2011 , 83,	3.3	53
112	Hidden Fermi liquid, scattering rate saturation, and Nernst effect: a dynamical mean-field theory perspective. <i>Physical Review Letters</i> , 2013 , 111, 036401	7.4	52
111	Temperature-dependent Fermi surface evolution in heavy fermion CeIrIn ₅ . <i>Physical Review Letters</i> , 2012 , 108, 016402	7.4	52
110	Coulomb correlations and the Wigner-Mott transition. <i>Nature Physics</i> , 2008 , 4, 932-935	16.2	52
109	Isosstructural transition in cerium. <i>Physical Review Letters</i> , 2013 , 111, 196801	7.4	51
108	Effects of electron correlations on transport properties of iron at Earth's core conditions. <i>Nature</i> , 2015 , 517, 605-7	50.4	51
107	The joint automated repository for various integrated simulations (JARVIS) for data-driven materials design. <i>Npj Computational Materials</i> , 2020 , 6,	10.9	51
106	Metal-Insulator Transition and Topological Properties of Pyrochlore Iridates. <i>Physical Review Letters</i> , 2017 , 118, 026404	7.4	50
105	Effect of Pnictogen Height on Spin Waves in Iron Pnictides. <i>Physical Review Letters</i> , 2014 , 112,	7.4	48
104	Covalency in transition-metal oxides within all-electron dynamical mean-field theory. <i>Physical Review B</i> , 2014 , 90,	3.3	48
103	Site-selective electronic correlation in plutonium metal. <i>Nature Communications</i> , 2013 , 4, 2644	17.4	44
102	Optical conductivity and kinetic energy of the superconducting state: A cluster dynamical mean field study. <i>Europhysics Letters</i> , 2007 , 77, 27007	1.6	44
101	Forces for structural optimizations in correlated materials within a DFT+embedded DMFT functional approach. <i>Physical Review B</i> , 2016 , 94,	3.3	42
100	First-principles treatment of Mott insulators: linearized QSGW+DMFT approach. <i>Npj Quantum Materials</i> , 2016 , 1,	5	42
99	A cellular dynamical mean field theory approach to Motttness. <i>Annals of Physics</i> , 2006 , 321, 1682-1715	2.5	42

98	Pseudogaps in the tJ model: An extended dynamical mean-field theory study. <i>Physical Review B</i> , 2003 , 68,	3.3	42
97	Kondo effect and conductance of nanocontacts with magnetic impurities. <i>Physical Review Letters</i> , 2009 , 103, 016803	7.4	41
96	Pseudogaps in an incoherent metal. <i>Physical Review Letters</i> , 2002 , 89, 236402	7.4	40
95	Thermal Conductivity and Electrical Resistivity of Solid Iron at Earth's Core Conditions from First Principles. <i>Physical Review Letters</i> , 2018 , 121, 096601	7.4	40
94	c-axis resistivity, pseudogap, superconductivity, and Widom line in doped Mott insulators. <i>Physical Review B</i> , 2013 , 87,	3.3	37
93	Extended Hubbard model: Charge ordering and Wigner-Mott transition. <i>Physical Review B</i> , 2010 , 82,	3.3	36
92	Transport Properties of Metallic Ruthenates: A DFT+DMFT Investigation. <i>Physical Review Letters</i> , 2016 , 116, 256401	7.4	34
91	How Correlated is the FeSe/SrTiO ₃ System?. <i>Physical Review Letters</i> , 2017 , 119, 067004	7.4	34
90	Orbital-differentiated coherence-incoherence crossover identified by photoemission spectroscopy in LiFeAs. <i>Physical Review B</i> , 2016 , 94,	3.3	32
89	Lazy skip-lists: An algorithm for fast hybridization-expansion quantum Monte Carlo. <i>Physical Review B</i> , 2014 , 90,	3.3	32
88	Shining light on transition-metal oxides: unveiling the hidden Fermi liquid. <i>Physical Review Letters</i> , 2014 , 113, 246404	7.4	32
87	Electronic structure and correlation effects in PuCoIn ₅ as compared to PuCoGa ₅ . <i>Europhysics Letters</i> , 2012 , 97, 57001	1.6	32
86	Complex Landau-Ginzburg theory of the hidden order in URu ₂ Si ₂ . <i>Europhysics Letters</i> , 2010 , 89, 57006	1.6	31
85	Valence fluctuations and quasiparticle multiplets in plutonium chalcogenides and pnictides. <i>Physical Review B</i> , 2010 , 81,	3.3	29
84	Orbital Selective Spin Excitations and their Impact on Superconductivity of LiFe _{1-x} Co _x As. <i>Physical Review Letters</i> , 2016 , 116, 247001	7.4	28
83	X-ray absorption branching ratio in actinides: LDA+DMFT approach. <i>Europhysics Letters</i> , 2009 , 85, 17007	1.6	28
82	Wigner-Mott scaling of transport near the two-dimensional metal-insulator transition. <i>Physical Review B</i> , 2012 , 85,	3.3	28
81	Optical probe of strong correlations in LaNiO ₃ thin films. <i>Journal of Applied Physics</i> , 2011 , 110, 033514	2.5	27

80	Dynamical mean-field theory study of Nagaoka ferromagnetism. <i>Physical Review B</i> , 2008 , 77,	3.3	26
79	Quasiparticle dispersion and heat capacity of Na _{0.3} CoO ₂ : a dynamical mean-field theory study. <i>Physical Review Letters</i> , 2007 , 99, 246404	7.4	26
78	Avoided criticality in near-optimally doped high-temperature superconductors. <i>Physical Review B</i> , 2007 , 76,	3.3	26
77	Structural predictions for Correlated Electron Materials Using the Functional Dynamical Mean Field Theory Approach. <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 041005	1.5	24
76	Pressure suppression of electron correlation in the collapsed tetragonal phase of CaFe ₂ As ₂ : A DFT-DMFT investigation. <i>Physical Review B</i> , 2014 , 90,	3.3	24
75	Density-functional calculations of the electronic structures and magnetism of the pnictide superconductors BaFeAs ₂ and BaFeSb ₂ . <i>Physical Review B</i> , 2009 , 79,	3.3	24
74	Dynamical correlations in multiorbital Hubbard models: fluctuation exchange approximations. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 61-74	1.8	24
73	Mott Transition and Magnetism in Rare Earth Nickelates and its Fingerprint on the X-ray Scattering. <i>Scientific Reports</i> , 2017 , 7, 10375	4.9	23
72	Quantum anomalous Hall phase in (001) double-perovskite monolayers via intersite spin-orbit coupling. <i>Physical Review B</i> , 2014 , 90,	3.3	23
71	Transition in cerium: Magnetic form factor and dynamic magnetic susceptibility in dynamical mean-field theory. <i>Physical Review B</i> , 2014 , 89,	3.3	22
70	Neutron magnetic form factor in strongly correlated materials. <i>Physical Review Letters</i> , 2011 , 106, 016403	3.4	22
69	Systematic beyond-DFT study of binary transition metal oxides. <i>Npj Computational Materials</i> , 2019 , 5,	10.9	22
68	Signatures of Mottness and Hundness in archetypal correlated metals. <i>Nature Communications</i> , 2019 , 10, 2721	17.4	21
67	Ground state of the parallel double quantum dot system. <i>Physical Review Letters</i> , 2012 , 108, 066602	7.4	21
66	Strong-coupling solver for the quantum impurity model. <i>Physical Review B</i> , 2005 , 72,	3.3	21
65	Electronic structure calculations of strongly correlated electron systems by the dynamical mean-field method. <i>Physical Review B</i> , 2006 , 73,	3.3	21
64	Calculations of optical properties in strongly correlated materials. <i>Physical Review B</i> , 2004 , 70,	3.3	21
63	Dynamic electronic correlation effects in NbO ₂ as compared to VO ₂ . <i>Physical Review B</i> , 2017 , 96,	3.3	20

62	J(eff)=1/2 Mott-insulating state in Rh and Ir fluorides. <i>Physical Review Letters</i> , 2015 , 114, 096403	7.4	20
61	Hierarchical stripe phases in IrTe ₂ driven by competition between Ir dimerization and Te bonding. <i>Physical Review B</i> , 2014 , 90,	3.3	20
60	Influence of disorder on incoherent transport near the Mott transition. <i>Physical Review B</i> , 2010 , 81,	3.3	20
59	Interpolative approach for solving the Anderson impurity model. <i>Physical Review B</i> , 2005 , 71,	3.3	20
58	Phase diagram, energy scales, and nonlocal correlations in the Anderson lattice model. <i>Physical Review B</i> , 2011 , 84,	3.3	19
57	Series of alternating states with unpolarized and spin-polarized bands in dimerized IrTe ₂ . <i>Physical Review B</i> , 2014 , 90,	3.3	18
56	Interfacial charge-transfer Mott state in iridate-nickelate superlattices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 19863-19868	11.5	17
55	Analogy Between the "Hidden Order" and the Orbital Antiferromagnetism in URu _{2-x} Fe _x Si ₂ . <i>Physical Review Letters</i> , 2016 , 117, 227601	7.4	17
54	Role of entropy and structural parameters in the spin-state transition of LaCoO ₃ . <i>Physical Review Materials</i> , 2017 , 1,	3.2	17
53	Overcomplete compact representation of two-particle Green's functions. <i>Physical Review B</i> , 2018 , 97,	3.3	16
52	Two-Dimensional Massless Dirac Fermions in Antiferromagnetic AFe ₂ As ₂ (A=Ba,Sr). <i>Physical Review Letters</i> , 2017 , 119, 096401	7.4	16
51	Mott Metal-Insulator Transitions in Pressurized Layered Trichalcogenides. <i>Physical Review Letters</i> , 2019 , 123, 236401	7.4	16
50	Combining the hybrid functional method with dynamical mean-field theory. <i>Europhysics Letters</i> , 2008 , 84, 57009	1.6	15
49	Magnetoelectric Coupling through the Spin Flop Transition in Ni ₃ TeO ₆ . <i>Physical Review Letters</i> , 2016 , 117, 147402	7.4	15
48	A combined variational and diagrammatic quantum Monte Carlo approach to the many-electron problem. <i>Nature Communications</i> , 2019 , 10, 3725	17.4	14
47	Phonon Softening due to Melting of the Ferromagnetic Order in Elemental Iron. <i>Physical Review Letters</i> , 2018 , 120, 187203	7.4	14
46	Spin excitations in optimally P-doped BaFe ₂ (As _{0.7} P _{0.3}) ₂ superconductor. <i>Physical Review B</i> , 2016 , 94,	3.3	14
45	Screening of magnetic moments in PuAm alloy: local density approximation and dynamical mean field theory study. <i>Physical Review Letters</i> , 2008 , 101, 126403	7.4	14

44	One-electron physics of the actinides. <i>Physical Review B</i> , 2007 , 76,	3.3	14
43	Finite-temperature properties of the two-dimensional Kondo lattice model. <i>Physical Review B</i> , 2000 , 61, 2482-2487	3.3	12
42	Observation of a kink during the formation of the Kondo resonance band in a heavy-fermion system. <i>Physical Review B</i> , 2013 , 88,	3.3	11
41	Retraction: Effects of electron correlations on transport properties of iron at Earth's core conditions. <i>Nature</i> , 2016 , 536, 112	50.4	11
40	Near-field infrared spectroscopy of monolayer MnPS ₃ . <i>Physical Review B</i> , 2019 , 100,	3.3	10
39	Dynamical mean field theory for diatomic molecules and the exact double counting. <i>Physical Review B</i> , 2015 , 91,	3.3	10
38	Nonreciprocal directional dichroism of a chiral magnet in the visible range. <i>Npj Quantum Materials</i> , 2020 , 5,	5	10
37	Electronic spin transition in FeO ₂ : Evidence for Fe(II) with peroxide O ₂ ²⁻ . <i>Physical Review B</i> , 2019 , 100,	3.3	10
36	Origin of doping-induced suppression and reemergence of magnetism in LaFeAsO _{1-x} H _x . <i>Physical Review B</i> , 2016 , 94,	3.3	10
35	Covalency-driven collapse of strong spin-orbit coupling in face-sharing iridium octahedra. <i>Physical Review B</i> , 2018 , 98,	3.3	10
34	Diatomic molecule as a testbed for combining DMFT with electronic structure methods such as GW and DFT. <i>Physical Review B</i> , 2017 , 95,	3.3	9
33	Validity of the local approximation in iron pnictides and chalcogenides. <i>Physical Review B</i> , 2017 , 95,	3.3	9
32	Molecular Mott state in the deficient spinel GaV ₄ S ₈ . <i>Physical Review B</i> , 2020 , 102,	3.3	8
31	Correlation-driven metal-insulator transition in proximity to an iron-based superconductor. <i>Physical Review B</i> , 2017 , 96,	3.3	8
30	Optical evidence for bonding-antibonding splitting in IrTe ₂ . <i>Physical Review B</i> , 2015 , 91,	3.3	8
29	Influence of magnetic ordering on the spectral properties of binary transition metal oxides. <i>Physical Review B</i> , 2019 , 100,	3.3	8
28	Trimer bonding states on the surface of the transition-metal dichalcogenide TaTe ₂ . <i>Physical Review B</i> , 2018 , 98,	3.3	8
27	Visualizing anisotropic propagation of stripe domain walls in staircaselike transitions of IrTe ₂ . <i>Physical Review B</i> , 2016 , 94,	3.3	6

26	Local suppression of the hidden-order phase by impurities in URu ₂ Si ₂ . <i>Physical Review B</i> , 2011 , 83,	3.3	6
25	Spectroscopic and first principle DFT+eDMFT study of complex structural, electronic, and vibrational properties of M ₂ Mo ₃ O ₈ (M=Fe, Mn) polar magnets. <i>Physical Review B</i> , 2020 , 102,	3.3	6
24	First-principles study of the Kondo physics of a single Pu impurity in a Th host. <i>Physical Review B</i> , 2015 , 91,	3.3	5
23	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> , 2013 , 45-57	0.2	5
22	Efficient lattice dynamics calculations for correlated materials with DFT+DMFT. <i>Physical Review B</i> , 2020 , 102,	3.3	5
21	Vacancy defect control of colossal thermopower in FeSb ₂ . <i>Npj Quantum Materials</i> , 2021 , 6,	5	5
20	Valence and spin fluctuations in the Mn-doped ferroelectric BaTiO ₃ . <i>Physical Review B</i> , 2018 , 98,	3.3	5
19	Magnetic phase transitions and spin density distribution in the molecular multiferroic system GaV ₄ S ₈ . <i>Physical Review B</i> , 2020 , 102,	3.3	4
18	Lattice dynamics and structural transition of the hyperhoneycomb iridate Li_2IrO_3 investigated by high-pressure Raman scattering. <i>Physical Review B</i> , 2020 , 101,	3.3	4
17	Fermi surface of IrTe ₂ in the valence-bond state as determined by quantum oscillations. <i>Physical Review B</i> , 2015 , 91,	3.3	4
16	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> , 2012 , 86,	3.3	4
15	Symmetry crossover in layered MPS ₃ complexes (M=Mn, Fe, Ni) via near-field infrared spectroscopy. <i>Physical Review B</i> , 2020 , 102,	3.3	4
14	Piezochromism in the magnetic chalcogenide MnPS ₃ . <i>Npj Quantum Materials</i> , 2020 , 5,	5	4
13	Exploring few and single layer CrPS ₄ with near-field infrared spectroscopy. <i>2D Materials</i> , 2021 , 8, 035020.	3.9	4
12	Nature of the magnetic interactions in Sr ₃ NiIrO ₆ . <i>Physical Review B</i> , 2018 , 98,	3.3	4
11	Energy scales of the doped Anderson lattice model. <i>Physical Review B</i> , 2019 , 99,	3.3	3
10	Optical spectroscopy and photoemission of - and -cerium from LDA+DMFT. <i>Physica B: Condensed Matter</i> , 2005 , 359-361, 139-141	2.8	3
9	First-principles study of the electronic structure and the Fermi surface in rare-earth filled skutterudites RPt ₄ Ge ₁₂ . <i>Physical Review B</i> , 2019 , 100,	3.3	2

8	Magnetic phase diagram of FeO at high pressure. <i>Journal of Physics: Conference Series</i> , 2017 , 827, 012006.	6.3	1
7	Correlation driven phonon anomalies in bulk FeSe. <i>Physical Review B</i> , 2020 , 102,	3.3	1
6	Reply to: "Extracting Kondo temperature of strongly-correlated systems from the inverse local magnetic susceptibility". <i>Nature Communications</i> , 2021 , 12, 1445	17.4	1
5	Nonreciprocal directional dichroism at telecom wavelengths. <i>Npj Quantum Materials</i> , 2022 , 7,	5	1
4	Global perspectives of the bulk electronic structure of URu ₂ Si ₂ from angle-resolved photoemission. <i>Electronic Structure</i> , 2022 , 4, 013001	2.6	0
3	Single-particle excitations in the uniform electron gas by diagrammatic Monte Carlo.. <i>Scientific Reports</i> , 2022 , 12, 2294	4.9	0
2	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> , 2017 , 950, 032018	0.3	
1	Thermoelectrics Near the Mott Localization/De-localization Transition. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2009 , 119-131	0.2	