$n_{\mathrm{f}}(\omega)$	Fermi function, p. 193
N_e, N_v	Number of electrons (p. 6), number of valence electrons (p. 7)
$\mathcal{O}(x^n)$	Of the order x^n
$\hat{\boldsymbol{P}}$	Polarization operator, p. 190
$\boldsymbol{q}$	Lattice momentum, momentum transfer, p. 14
$\boldsymbol{Q}$	Antiferromagnetic wave vector, p. 14
$\mathrm{Re}\, x$	Real part (of x)
r	Distance, radius, p. 6
$\boldsymbol{R}$	Position of ion or lattice site, p. 6
$\hat{\boldsymbol{S}}_{i\nu}$, $\hat{\boldsymbol{s}}_{i\nu}$	Spin operator, p. 282
t	NN hopping matrix element, p. 9
t_{ij}^{ν}	Hopping matrix element between sites i and j in band ν, p. 8
t_D	Hopping matrix element for (taxi cab) distance D, p. 38 + 48
t_{2g}	Atomic orbitals, p. 281
$\mathrm{Tr}\{\}$	Trace
T	Temperature, p. 10
U	Hubbard on-site interaction, p. 9
$\boldsymbol{v}$	Generic vector
$\boldsymbol{v_k}$, $\boldsymbol{v}_{\boldsymbol{k},\nu}$	Fermi velocity, p. 185
V_0	Multi-band model parameter, p. 282
x	Generic variable
Z	Lattice coordination number, p. 11
Z	Quasiparticle weight, p. 76
$\mathcal{Z}$	Partition function, p. 17
AF	Antiferromagnet(ic), p. 10
ASA	Atomic sphere approximation, p. 251
CDMFT	Cellular (or cluster) DMFT, p. 286
DCA	Dynamical cluster approximation, p. 286
DFT	Density functional theory, p. 249
DMFT	Dynamical mean-field theory, p. 11
DMRG	Density matrix renormalization group, p. 289
DOS	Noninteracting density of states, p. 14
ED	Exact Diagonalization, p. 18
EELS	Electronic energy loss spectroscopy, p. 183
FLEX	Fluctuation-exchange approximation, p. 18
HF	Hartree-Fock theory, p. 11
IPT	Iterated perturbation theory, p. 18
L(S)DA	Local (spin) density approximation, p. 250
LMTO	Linear muffin-tin orbitals, p. 251
MEM	Maximum entropy method, p. 25
NCA	Non-crossing approximation, p. 18