A Bibliography of Publications of Per-Olov Löwdin

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Abstract
This bibliography records publications of the late Per-Olov Löwdin.

Dedication
This bibliography is dedicated in fond memory of, and to, Per-Olov Löwdin (28 October 1916 – 6 October 2000): advisor, alpinist, friend, host, leader, linear algebraist, mentor, musician, role model, scientist, and teacher of a great many of us in his extended scientific family.

Title word cross-reference

\$14.50 [Kut67b]. \$17.00 [Kön68]. 1s [HL59, HL65]. 2 [RG76, SW92, TL81].
\$22 [Kle66b]. \$225.00 [Boy05]. \$27 [Löw69c]. \$450.00 [Boy04]. \$67.50
[Ahl83]. − [MY04]. \textsuperscript{1}\Sigma_{g}^{+} [HL76]. 3 [MY04, VB75]. α
[Jon84, JBW87, Jon92, LSZ+00, MK08, MK09, MČ10a, MČ10b, MČ12].

\[ b_{kk}(LM|l) \] [Suz85]. \[ c_{12} \] [Löw48d]. \[ c_{44} \] [Löw48d]. \[ d \] [LAS99]. \[ E \] [JBW87].

\[ h_{n,2n-i}(LM|l) \] [Suz85]. \[ h_{n,2n-i}(LM|l)/(2n - i)! \] [Suz90]. \[ i \] [Suz85].

\[ J = (1/2)(E_{\text{singlet}} - E_{\text{triplet}}) \] [Har76]. \[ n \] [Suz85]. \[ n + \ell, n \] [AK02]. \[ \Omega \] [WS82].

\[ r_{12} \] [CL62]. \[ s \] [LAS99]. \[ SU_{p,q}(2) \] [WS92]. \[ SU_{p,q}(2) \] [SW92]. \[ T \] [WS82]. \[ U \] [Lar04]. \[ v \] [Lev76].


2000 [Lin03]. 25 [Suz84a]. 26 [Suz87].

3rd [Löw80a, Löw80f].

500th [LGC78b].

60th [BDL+94]. 6th [Löw89a, Löw89d].

86j [Suz87].

90-years [LGJLCB89]. 90th [LGBC89]. 97 [Löw87a].

A. [ES87, Löw87d]. äldrande [Löw77d]. Abb [Kle66b, Kut67b]. Academic [Boy04, Boy05, Kle66b, Kön68, Kut67b]. Accuracy [Par09]. accurate [MC11a]. acid [BS71a]. Acoustics [Löw91i]. Acta [FG76]. actinide [CSHM04]. Activities [Löw76c, Jan77]. actual [Car88]. Adapted [Kat04, Pan82a, Pan82b, Pan83, Pan84]. Addendum [Löw81b]. Addition [Bou05, Pan82a]. Address [Löw80f]. Adjoint [FL83, Löw83c, Löw96h, Löwxxd, Sco73]. Advances [Bos83, Gor84, Löw64c, Löw65b, Löw67a, Löw68c, Löw70a, Löw72b, Löw73a, Löw74a, Löw75c, Löw77c, Löw78a, Löw80b, Löw81c, Löw81d, Löw82a, Löw82b, Löw83a, Löw85b, Löw86a, LSZ88, LSZ91, LSZ92a, LSZ92b, LSZ94, LSZ95, LSZ96, LSZ+97a, LSZ+98a, LSZ+98c, LSZ+98d, LSZ+98e, LSZ+98f, LSZ99, LSZ+99a, LSZ+99b, LSZ+99c, LSZ+99d, LSZB00, LSB02, SB17, Kön68, Kut67b, Kut67a, Par66]. Advancing [LÖS02]. Affinities [Lin04]. agenda [SG14]. Aging [Löw64e, Löw65h, Löw77d, Löw07b]. aktiviteter [Löw76c]. Akustiken [Löw91i]. Albert [ES87]. Alberte [LÖ79, LS79]. Algebra
[MC09, MČ10a, MČ10b, MČ12]. Aufbau [Sce09a]. Auf [Kle66b, Kut67b].

August [FH58, Löw58f, LGC78a, LGC78b, LCG82a, Löw89a]. Augustine [LSZÖ9, Löw89f, Löw90k, Löw90j, Löw91q, Löw91p, Löw92p, Löw92q, LÖSZ93, Löw93i, Löw95j, Löw96e, Löw96f, Löw97b, Löw97c, LÖSZ98, Löw98b, LÖSZ99, Löw99b, LÖS00]. av [Löw91i]. Axioms [Löw82d].

Aziridines [JSBL04].

B [Ahl83, Kle66b, Kle66a, MY04]. Back [Ano76a]. Background [LÖw78c, Löw83d]. Band [Kön68, Löw62b, MV81, WW76, Löw62a].


Basis [ACL73, KS88, Löw67b, Mak81, MV81, FWMZ11, HL83, JH15, LCK76, Pan83, YE81]. Basis-Sets [Mak81]. Be [Löw94g, Löwxn, Löwxk, Löw77b].

Beach [LÖ78, Löw83d]. Bernard [Buc65, Gra65, LÖ79, LS79, Sel65]. Bessel [BS06]. Between [BKNS91, Lin04, Löw65j, Löw65g, Löw84, Löw85e, Löw95g, Löw99a, Par09, AM12, FH58, Löw66].

Bi-Variational [LFM89a]. Bias [FWMZ11]. Bibliographies [SYLxx].

Binary [Löwxxa]. Binding [Lin04, Löw62a, Löw81a, Löw62b].

Blumenfeld [Baj75]. Blumenfeld-Kalmanson-Löwdin [Baj75]. Body [Har04, Lin04, Löw80c, LÖSZ85c, LÖSZ86c, LÖSZ86c, Mic76, AM12].

Bogoliubov [Boy04, Boy05]. Bond [CPR04, Dan76, HNL63, KSM87, KS88, Löw58c, Löw61b, Löw62a, Löw66j, Löw69f, Löw91k, Löw62b].

Bonded [KSM87]. Bonding [CC04, Gos76]. Bonds [Löw67k, RS76a].

Boole [Ahl83, Boy04, Boy05, Buc65, Gra65, Hof67, Kle66b, Kle66a, KÖN68, Kor79, Kut67b, Kut67a, Löw69c, McL81, Par66, Rei04a, Rei04b, Sel65].

Book [Ahl83, Boy04, Boy05]. Boston [Ahl83]. both [Löw69c]. Bounds
Par03, Par09, Rei04a, Rei04b, SB02, SB17, Sce09a, ZL94, Brä17, Buc65, Car88, Gra65, LÖS02, LP64, LCS+70, LGC78b, LP83, Löw88j, Löw88l, LZ91, Löw91e, Löw91f, Löw91g, Löw92h, Löw92f, Löw94c, Löw95e, Löw95f, Löw95d, Löw96c, LSZ+98a, PL83, Sce08, Sel65, SG14, Löw90e, Löw91d, Löw91e, Löw91f, Löw91g, Löw91i, Löw92g, Löw92h, Löw92f, Löw94c, Löw94e, Löw95e, Löw95f, Löw95d, Löw96c, SG14, Ahl83, Kön68, Kut67b, Kut67a, Par66.

Citation [Löw87a]. Clarke [Löw67g]. Classic [Het00, Löw87a]. Clebsch [SW92, WS92]. Clementi [Löw92d]. Closed [CPR04, PdHL62a, GLA+08]. Closed-Shell [CPR04, PdHL62a, GLA+08]. Closer [BKNS91]. Cluster [Mal04, Uzi04]. Clusters [KJL87, Löw81a, LSZ97a]. CNF [Dog77]. CNH [Dog77]. Coast [LS80, LS81a, LS82b, LS82a, LÖ82a, LZ83c, LZ83a, LS84b, LS84c]. Code [Löw66], Löw67k, FMPM+14]. coefficient [JW78]. Coefficients [Löw83b, SW92, MC11a, Suz92, WS92]. Cognition [SS17]. Cohesion [Löw66d]. Cohesive [FL62, Löw47a, Löw51d, Löw51e, Löw48c, Löw48d, Löw48e, Löw56b, LCS+70, Löw01]. Coleman [ES87, Löw87d]. Collected [Sce08]. Collection [Löw76a]. Collision [Kor79, LÖ77, LÖ78, LÖ79, Lö80, Lö81a, LÖM83, ML83b, Öö83]. Collisions [KD04b, Mic76]. Colloquium [LÖ81a, LGC78a]. Combined [LR59]. Commentary [Sce06]. Comments [ACL73, Cal76, GÖL70, Löw66d, Löw67j, Löw68j, Löw71b, LM72b, LM72a, LSZ83b, Löw58h, Löw68c, Löw86k, Löw86l, Löw89b, Löw96g, ML93, Löw69g, LSZ83a, LSZ83c, LSZ83d, Löw98d]. Committee [Löw47b, Löw48b, Löw49]. common [FWMZ11]. Compact [Ant85, Suz87]. Company [Ahl83]. Comparison [KSM87, Lin04, Löw98c]. completeness [LCK76]. Complex [Löw85d, Löw86k, Löw88e, LF89a, LF89b, LAS99]. Complexes [KSM87, TTK04, CSHM04]. Compounds [Löw53b, VBHG95, LAS99]. Compressed [Frö76]. compression [Löw48e]. Computation [CVV87]. Computational [BH07, DFKS05, Kor79, LÖ77, LÖ78, LÖ79, Lö80, Lö81a, Lö81b, LÖM83, LSZ84a, LZ884, LÖSZ85e, LÖSZ85c, LÖSZ86e, LÖSZ86c, LÖSZ87c, Löw87c, Löw88h, LÖSZ88d, Löw90k, Löw91q, Löw92p, LÖSZ93, Löw94e, Löw95i, Löw96e, Löw97b, ML83b, Öö83, ÖSZL87, Par09, Duf71, LSZ’97b, HK72]. Computations [Löw90e, Löw91d, Löw92e, Löw92c, Löw93c, Löw93d, Löw94a, Löw95a, Löw95c, Löw96b, Löw91e, Löw91f, Löw91g, Löw92g, Löw92h, Löw92f, Löw94c, Löw95e, Löw95f, Löw95d, Löw96c]. Computer [Löw92k, Jon84, Jon92]. Computers [Löw87c, Par03]. Concept [Ber04, Löw91i]. Concepts [FH58, Löw88i, Löw90b]. Concluding [Löw90i, Löw91c]. Condensed [LÖ82c, Löw90e, Löw91d, Löw92e, Löw92c, Löw92p, Löw93c, Löw93d, LÖSZ93, Löw94a, Löw94e, Löw95a, Löw95c, Löw95i, Löw96b, Löw96e, Löw97b, LÖSZ98, LÖSZ99, LÖS00, Löw91e, Löw91f, Löw91g, Löw92g, Löw92h, Löw92f, Löw94c, Löw95e, Löw95f, Löw95d, Löw96c]. Conditions [LCC81, Löw86d]. Conference [Löw47b, Löw48b, Löw49, Löw63g, Löw80f].
Electronic-Structure [COM89, Mak81], Electrons [Har76], Elektronnaia [KK67], element [Pan84], Elementary [Kat04, Löw58d, Löw62c, Löw63h], Elements [GL04, Mal04, Sch04, Uzi04, Löw69g], embedding [MRH10].

Empirical [Löw99a, LZ91], Energetics [CC04, RG76], Energies [FL62, GÖL70, Lin04, MY04, MRH10].

Electronic-Structure [COM89, Mak81].
LS76, LÖ77, LS77, LÖ78, LÖ79, LS79, LS80, LÖ80, LÖ81a, LS81b, LÖ81b, LS82a, LS82b, LÖ82a, LÖ82a, LÖM83, LZ83c, LZ83a, LSZ84a, LSZ84b, LZ84c, LÖSZ85c, LÖ85, LÖSZ85c, LÖSZ85d, LÖSZ86e, LÖ86, LÖSZ86c, LÖSZ86d, LÖSZ87d, LÖSZ87c, LÖSZ87b, LÖw88h, LÖw88g, LÖSZ88a, LÖSZ88c, LÖSZ89, LÖw89f, LÖw90k, LÖw90j, LÖw91q, LÖw91p, LÖw92p, LÖw92q, LÖSZ93, LÖw93g, LÖw94e, LÖw94f, LÖw95i, LÖw95j, LÖw96e, LÖw96f, LÖw97b, LÖw97c, LÖSZ98, LÖw98b, LÖSZ99, LÖw99b, LÖ500, ML83b, Öö83, ÖSZL87, Ano59, LÖw72e, LÖw76b, L¨ow77f.

Fock
[LPLH63, FL83, HL76, L¨ow55a, L¨ow55c, L¨ow55d, L¨ow58e, L¨ow60a, L¨ow63a, L¨ow66f, L¨ow66a, L¨ow66g, L¨ow69b, L¨ow75b, LCC81, LFM89a, LFM89b, LM89, ML93, May02a, Uzi04, Van76]. folding [WW76]. Following [BS07]. Fonctions [L¨ow58b, L¨ow58a]. Förändringar [L¨ow65c]. Forces [Mez97]. Form [CVV87, Duf71, JW78]. Fonctions [L¨ow58b, L¨ow58a]. F¨or¨andringar [L¨ow65c]. Forces [Mez97]. Format [L¨ow88b]. Formed [Tul04]. Formula [L¨ow51d, JW78, YE81]. Fonctions [L¨ow58b, L¨ow58a]. Formulas [Jon84, L¨ow53a, M¨C12]. Formulated [L¨ow82d]. Formulation [Hal76]. Forskargruppen [L¨ow76c]. Forty [DFKS05]. Foundation [LZ94, ZL94]. Foundations [L¨ow91s, L¨ow98d]. Four [Har04, LL51]. Four-Body [Har04]. four-centre [LL51]. Fourth [Ahl83, LP83, PL83]. från [LC78]. Free [L¨ow86j, L¨ow88l, L¨ow89g, LN89]. French [L¨ow58a]. Front [Aho76b]. Fukui [L¨ow83a]. Fulfilling [May02a]. Full [DDH75]. Fully [Mal04]. Function [Ahl76, Br¨a76, JP76, JW89, Lin04, MC11b, Mcl76, Ant85, CSMH04, De 76, Duf71, Jon84, JBW87, Jon91, Jon92, L¨ow60a, L¨ow86i, MC90, M¨C10a, M¨C10b, M¨C12, NA12, ST05, Suz84a, Suz84b, Suz85, Suz87, Suz90, Suz92, ST14]. Functional [LCG82b, LSZT90, LSZ98b]. Functions [ES87, L¨ow96h, L¨owxxd, Lev76]. Functions [ACL73, CL62, Jon88, L¨ow50b, LA56, L¨ow85a, L¨ow86d, Pau76, SPH14, Bou05, BS06, JW78, L¨ow53c, MK80, MK90, MC11a, Pan82a, Pan82b, Pan83, Pan84, Tch99]. Fundamental [BK04, L¨ow92q, L¨ow93g, L¨ow94f, L¨ow95j, L¨ow96f, L¨ow97c, L¨ow98b, L¨ow99b, Rei04a, Boy04, Boy05, Rei04a, Rei04b]. Fundamentals [L¨ow95g]. Fundaments [L¨ow64f]. Future [And04, L¨ow68l, L¨ow686a, L¨ow88i, L¨ow89g, L¨ow90h, L¨ow911, L¨ow88]. fuzzy [CSMH04].

Green's [Lin04], Green's-Function [Lin04].

**Ground**
[HL76, Löw51d, LR59, Löw65l, Löw65k]. **Group**
[Löw66e, Löw67d, LG68, LG69, Löw76c, PP76, Tch99, LCS+70, LGC78b].

**Grunder** [Löw91s]. **Guseinov**
[MČ10b, MK08, MK09, MC09, MČ10a, MC11b, MČ12].

**H** [Löw71g]. **Halides** [LCH72, Löw48e]. **Hamiltonian**
[CD04, Löw85d, Löw85g, Löw88e, LFM89a, Löw89c, Löw90i, May02a, Uzi04].

**Hamiltonians** [Löw82c]. **Harald** [Löw69c]. **Harmoni** [Löw91s].

**Harmonilärans** [Löw91s]. **Harmony** [Löw91m, Löw91s]. **Hartree**
[HL76, LPLH63, Van76, FL83, Löw55a, Löw55c, Löw55d, Löw58e, Löw60a,
Löw63a, Löw66f, Löw66a, Löw66g, Löw69b, Löw75b, LCC81, LFM89a,
LM89b, LM92, ML93]. **Having** [Löw96g]. **HCN** [DDH75, Dog77].

**Heavy** [GL04, Mal04, Uzi04]. **Hebrew** [Löw89a]. **Held**
[FH58, HDK72, Löw71f, Löw72d, Löw73e, LG78b, Löw80a, Löw81a, LS81b,
LÖ81b, LS82a, LÖ82a, LCG82a, LZ83a, LZ84, LSZ84, LÖSZ85c, LÖSZ86c,
LÖSZ86d, LÖSZ87c, LÖSZ87b, LÖSZ88d, LÖSZ88c, ML83b, Öö83, Löw58f,
Löw67g, Löw68g, Löw69e, Löw71g, Löw74e, Löw74f, Löw75e, Löw75f, LÖ76,
LS76, LÖ77, LGC78a, LÖ78, LÖ78a, LS79, LS80, Lö80, LS81a,
LÖ81c, LÖ82a, LÖ82c, LS82b, LP83, LÖ83, LZ83c, LSZ84a, LSZ84b, LÖSZ85e,
LÖ85, LÖSZ86e, LÖ86, LÖSZ87d, Löw88h, Löw88g, LSZO89, Löw89f,
Löw90k, Löw90j, Löw91q, Löw91p, Löw92p, Löw92q, LÖSZ93, Löw93g,
Löw94e, Löw94f, Löw95i, Löw95j, Löw96e, Löw96f, Löw97b, Löw97c, LÖSZ98,
Löw98b, LÖSZ99, Löw99b, LÖS00, ÖSZL87, PL83]. **Helical** [Baj75]. **Helium**
[LS55, SL56, LR59]. **Helium-Like** [SL56, LR59]. **Helmholtz** [CD04].

\[\text{hennes} \] [Löw74c]. **Henry** [Löw09e]. **Herausgegeben** [Kle66b, Kut67b].

**Heritage [May02a]. Heterocycles** [LÖ51b]. **High** [LCH72, SPH14, Löw48e].

**Hilbert** [Lat76]. **Historic** [Löw85a, Löw85i]. **Historical** [Löw91k, Löw95b].

**History** [GS12, Löw87c]. **Homolytic** [CC04]. **Honor** [Löw63c, Löw63d,
Löw76a, Löw91b, Löw92d, Löw67g, Löw69e, Löw71g, LÖ79, LS79, LSZ+99a].

**Honorary** [Lin93]. **Honoring** [CG77]. ** Honour** [Löw63g]. **Horizons**
[Ahl83, LP83, PL83]. **Hubbard** [Lar04]. **Hultén** [LS51]. **Human**
[Löw77g, Löw80], Löw84]. hybrid [Tch99]. **Hydrido** [TTK04].

**Hydrido-Bridged** [TTK04]. **Hydrogen** [BK76, CC04, HL65, HL76, KSM87,
Las76, Löw66, Löw66d, Löw67k, Löw69f, RS76a, HL59]. **Hydrogen-Bonded**
[KSM87]. **Hydrosilylation** [TTK04]. **Hylleraas**
[Löw63c, Löw63d, Löw63g, MTW68, Löw69c]. **Hyperbola** [Par03].

**ICQC** [Löw89d]. **Ideas** [Löw59b, Löw07a]. **Identity** [Par03]. **II**
[Rei04b, Roo00, HM01b, Löw48d, Löw51e, Löw54d, Löw54e, Löw55c, Löw63a,
Löw64k, LFM89a, LSZ+98d, Löwxxa, ÖL83, Öö83, OS02, Pan82b, PdHL62b,
Suz85, WS82]. **III**
[Boy05, BK04, Löw55d, LA56, Löw63a, Löw64l, Pan83, Suz90]. **Illustrated**
Introductory [Löw72g, Löw80c, Löw89d]. invariance [BDMC06]. Inverse
[LPdH60, Ste77]. Inversion [KS76]. Invertibility [WS81]. Investigation
[Löw48a, Löw48e]. Investigations [Pan76]. Ionic
[LPdH60, Ste77]. Inversion [KS76]. Invertibility [WS81]. Investigation
[Löw48a, Löw48e]. Investigations [Pau76]. Isomer [Dog77]. Isotope
[JSBL04, Löw65d, VBHG95]. Israel [Löw89a]. Issue
[COM89, Lin93, LGBC89, Löw91b, Löw92d, OS02]. Italy
[Löw81a]. Iteration [Löw58d, Löw59c, Löw62c, Löw63h]. Iteration-Variation
[Löw58d, Löw59c, Löw62c, Löw63h]. Iterations
[Löw59c]. Iterations-Variationsmetod [Löw59c]. IV
[Löw62j, Pan84, Suz92]. Ivar
[LGJLCB89, LGBC89]. IX [Löw65j].

J [Boy04, Boy05, Rei04a, Rei04b, Suz84a, Suz87]. Jahn [Ber04]. January
[Löw63c, Löw63d, Löw63g, Löw65f, Löw65g, Löw67g, Löw67h, Löw69c,
Löw71f, Löw71g, Löw72d, Löw73e, Löw74e, Löw74f, Löw75e, Löw75f, Lö76,
LS76, LÖ77, LS77]. Isomer [Dog77]. Isotope [JSBL04, Löw65d, VBHG95].
Israel [Löw89a]. Issue [COM89, Lin93, LGBC89, Löw91b, Löw92d, OS02].
Italy [Löw81a]. Iteration [Löw58d, Löw59c, Löw62c, Löw63h]. Iteration-Variation
[Löw58d, Löw59c, Löw62c, Löw63h]. Iterations
[Löw59c]. Iterations-Variationsmetod [Löw59c]. IV
[Löw62j, Pan84, Suz92]. Ivar
[LGJLCB89, LGBC89]. IX [Löw65j].

kaleidoscopic [SG14]. Kalman [Baj75]. Kasha [Löw91b]. Kashiwagi
[Ste77]. Kemiska [Löw83c]. Kenichi [Löw83a]. Key [Löw91r]. Kiev
[FL58, JSBL04]. Kinetics [Qua04]. Kluwer [Boy04, Boy05]. Knight
[Sce06]. Knut [Löw69c]. Kohn [AM12]. Kovalenta [Löw58c]. Kryachko
[Boy04, Boy05, Rei04a, Rei04b]. Kvantengetisk [Löw65c]. Kvantkemi
[Löw77d, LC78]. Kvantenkemiska [Löw76c]. Kvantmekanisk
[Löw58c]. kvantteorins [Löw74c]. Kyoto
[Löw80a, Löw80f].

Laboratory [LÖSZ87b, Löw88h, Löw88g]. Laguerre [Réd76]. Lanczos
[HL83]. Lapland [LCG82a]. Large [Löw80i, Löw82a, Löw87c, Tch99].
Large-Scale [Löw87c]. Law [LCH72]. LCAO [ACL73]. leading
[HM01b]. Learning [SS17]. Least [Löw92]. lectures [GC84]. LEDO
[Dom77]. Legacy [Bun17]. Leon
[Löw90k, Löw90j, Löw91q, Löw91p, Löw92p, Löw92q, Löw95i, Löw95j, Löw96e,
Löw96f, Löw97b, Löw97c, LÖSZ98, Löw98b, LÖSZ99, Löw99b, LÖS00].
Letter [Löw51b, Löw53a, LS55, SL55, SL58a, WW76]. Leuven
[Boy04, Boy05]. Levdinoskii [KK67]. Levels [Löw54c, Löw56a]. LiBr
[JP76]. **Lie** [BC04]. **Life** [Löw84, Löw85c, SB02]. **Life-Times** [Löw85c]. **Light** [Löw58c]. **Like** [LA56, SL56, LR59]. **Limited** [Dog77]. **limits** [Löw69a]. **Lindgren** [Löw98c]. **Linear** [Löw64f, Löw77b, Löw92l, Löw93f, Löw96g, Löw96h, Löw98a, Löwxxd, Löwxxb, Löwxxa, Mc176, TL81, NS04, TL82]. **Linearly** [BL69, Löw67b, Löw67c]. **Liouville** [Löw88c]. **Liouvillian** [Löw85g]. **Liouvillians** [Löw82c]. **Limited** [Myr84, LR84]. **Limited-Range** [Löw85c]. **Liquid** [Löw58c]. **Liquids** [AM12]. **Literature** [Man76]. **Ljunggren** [Löw50a]. **Local** [Pan82b]. **Localization** [Lar04, CRE79]. **Localized** [RS76b, Löw64a]. **Logic** [Löw95g]. **London** [Ahl83, Kle66b, Köl68, Kut67b]. **Long** [HL59, HL65, Kol76, Löw89c, VBHG95]. **Long-Range** [HL65, Kol76, VBHG95, HL59]. **Look** [BKNS91]. **Lorentz** [Löw39]. **Lorentz-Transformationen** [Löw39]. **Lösa** [Löw59c]. **Lost** [Heh18]. **Louis** [McL81, Löw96a]. **Low** [Löw78c, MY04]. **Low-Lying** [MY04]. **Löwdin** [Ahl83, Gra65, Kle66b, Kle66a, Kön68, Kut67b, Lin03, MC11a, McL81, Rei04a, Roo00, Sch77, Sel65, Suz84a, FMPM+14, KKS67, AJA75, AEG80, AK02, AM12, Ano59, Ano60, Ant85, BS71a, BS71b, BKNS91, BM86, BS07, Bos83, Bou05, BS06, Brä76, BK04, Brä17, BDMC06, Bun17, CGLÖ76a, CGLÖ76b, CG77, COM89, CD04, Cha90, CVV87, CSHM04, Cro77, De 76, DDH75, Dog77, Du71, FG76, FWMZ11, Gor84, GC84, GLA+08, Gra77, Hal04, HM01a, HM01b, Heh18, HL83, Holf77, Jan77, JH15, JW78, Jon84, JBW87, Jon88, JW89, Jon91, Jon92, KSM87, KS88, Kar02, KS73, Kil69, Kor79, Kry02, Kut67a, LBH04, LCK76, LAS99, LD89, Lin03, LOS02, Lin10, LöBS17, Löw76a, Mak81, MK08, MK09, MC09, MCI0a, MCI0b]. **Löwdin** [MC11b, MC12, Man76, MV81, May02a, May02b, May10, MRH10, Mei03, Mez97, Mor78, NSS12, NA12, NS04, Ohn76, ÖSB01, OS02, Pan82a, Pan82b, Pan83, Pan84, Per66, Per12, RSS08, SB02, SB17, Sce06, Sce09a, Sco73, SPH14, SG14, SW92, ST05, Ste77, Sut02, Suz84b, Suz85, Suz87, Suz90, Suz92, ST14, SM13, Tch99, VB75, VBHG95, WJ12, WW76, WS81, WS82, DA12, WS92, Boy04, Boy05, Rei04a, Rei04b]. **Löwdin** [MC11a]. **Löwdin's** [SS17]. **Lower** [LL68, Löw65a, Löw65m, Löw66b, LL70, Rei76, Löw66c, Löw69a, Gra77, Löw65k, Löw65l]. **Lying** [MY04].

**Macromolecular** [Mez97]. **Macromolecules** [Lad76]. **Madelung** [AK02]. **Magnetic** [JL87, KD04b]. **Man** [Löw74c]. **Manageability** [Par09]. **Manifolds** [TL81, LAS99, TL82]. **Mäniskan** [Löw74c]. **Many** [Dau76, Lin04, Löw59b, Löw62i, Löw80c, Löw85d, LÖSZ85e, LÖSZ85c, LÖSZ86c, LÖSZ86e, Löw87a, Löw88e, LF89a, LF89b, Löw07a, Löw07d, Lu76, Mc67, Löw53a, Löw55b, Löw55c, Löw55d, Löw63i, LSZT90, Roo00]. **Many-Body** [Lin04, Löw80c, LÖSZ85c, LÖSZ86c, Mc76]. **many-center** [Löw53a]. **Many-Electron** [Dau76, Löw59b, Löw62i, Löw07a, Löw07d, Lu76]. **many-fermion** [LSZT90]. **Many-Particle** [Löw85d, Löw87a, Löw88e, LF89a, LF89b, Löw55b, Löw55c, Löw55d, Löw63i, Roo00]. **March**
[Löw80j, Löw84, Löw86j, Löw86l]. Minimum [AJA75]. mixing [LAS99]. MM [Tch99]. Mobilities [RS76a]. Mobility [Löw73b]. Model [Frö76, Tul04, FWMZ11, Löw69b, Löw68a, Löw68b, Löw07c]. Modeling [VBHG95]. Models [Löw77b, Löw86c]. Modern [Löw61b, Löw74c, Löw75a, Löw75g, Löw80j, Löw92r, Löw97d, LSZ+98a, Löwxxc]. moderna [Löw74c]. modified [JW78]. Moléculaire [Löw58b]. Molecular [DDH75, Dog77, Har76, Jon88, JW89, Kor79, LCLL73, Löw53b, Löw54a, Löw54b, Löw54c, Löw56a, Löw62e, Löw63c, Löw63d, Löw63g, LP64, Löw64g, Löw65f, Löw65g, Löw67g, Löw68d, Löw68g, Löw69e, Löw69f, Löw71f, Löw71g, Löw71a, Löw72d, Löw73e, Löw74e, Löw75e, Lö76, LÖ77, LÖ78, LÖ79, Löw80d, Löw80e, LÖ80, Löw81a, LÖ81b, Löw83a, LÖM83, Löw83e, Löw83d, LSZ84a, LZS84, LÖSZ85e, LÖSZ85c, LÖSZ86e, LÖSZ86c, LSZÖ89, Löw91b, Löw91j, Löw92p, LÖSZ93, Löw94e, Löw95i, Löw95k, Löw96e, Löw97b, LÖSZ98, Löw99a, LÖS99, LÖS00, Mic76, ML83b, Öö83, PdHL62a, PdHL62b, FMPM+14, FWMZ11, JBW87, Löw62d, Löw86e, MK08, MK09, MC09, MÇ10a, MÇ10b, Tch99, Buc65, Gra65, Kle66b, Kle66a, Sel65]. Molecular-Orbital [DDH75, Dog77, Löw53b]. Molecule [HL76, JP76, Las76, Laz04, Löw65h, Löw07b, Löw86c, Sut02]. Molecules [BCA04, FHL55, Gos76, Hof67, KS88, KD04b, Löw50b, Löw51d, Löw51e, LFH55, Löw60b, Löw62h, Löw80i, Löw89c, Löw89b, Mak81, Mal04, Sla76, CSHM04, GLA+08, Löw53a, Löw66h, LL51]. Moments [Löw51b]. Momentum [KS76, Löw64d, Löw73b, Cro77]. Monovalent [Löw66d]. Moral [Löw85h]. Motion [LL72, Löw62f, Löw68k, LG71, Löw85g, Löw91j]. Mott [Lar04]. Mountains [Ohn76]. MR [Suz87]. Mulliken [Löw65f, Löw65g, BKN91, CSHM04, KSM87, KS88, LP64, Kle66b, Kle66a]. Multi [JW89]. Multi-Center [JW89]. Multicenter [Jon88]. Multiconfigurational [MY04]. Multidimensional [LG71]. Mutagenesis [Abd76]. mutasii [KK576]. Mutation [Löw65d, FWMZ11, KKS67]. Mutations [Löw64e, Löw65h, Löw07b, RG76, Kry02].

Numerical [BS76, Heh76, Löw51a, Löw51e, ST05, Bou05, Löw48e, LS51, Löw52].

O [Ahl83, Kle66b, Kle66a, Kön68, Kut67b, Kut67a, Roo00, CPR04, Sut02].

Obituary [Löw73c]. Objectivity [Ahl83, Kle66b, Kle66a, Kôn68, Kut67b, Kut67a, Roo00, CPR04, Sut02].

Occurrence [Löw85d, Löw88e, LFM89a], occurring [LL51]. October [HDK72, Lin03, Löw80a]. Öhrn [BDL+94].

Open [CPR04]. Opening [Löw80f]. Operator [BL69, Löw62], Löw63b, Löw65i, Löw67i, Löw93e, VB75, WS81].

Optimal [Mak81]. Orbit [Kil69, Löw64b]. Orbital [ABD04, DDH75, Dog77, LB76, LCLL73, LAS99, Löw53b, Löw54c, Löw65f, PdHL62a, PdHL62b, AK02, CRE79, FMPM+14, JH15, MK08, MK09, MC11b, MC11b, MC09, MC12]. One-Body [AM12]. One-Center [MC11b, MC12]. ONIOM [MRH10]. ONIOM-Based [MRH10].

Orthogonal [LD89, WJ12]. Orthogonality [Del76, Löw50b, Löw68e, Löw91k].

Orthogonization [AJA75, Del76, KST73, Mak81, RSS08, AEG80, BM86, JH15, LAS99, May02b, NSS12, NSS04, Sco73, Ste77, SM13, WJ12].

Organic [Löw53b, Löw89h]. Origin [Löw84, Löw91m, JBW87, Kry02, AK02].

Overlay [Abd76, Dog77, KJL87, Kry02, L¨ow61a]. Palm [LS80, LS81a, LS81b, LS82b, LS82a, LO82a, LZ83c, LZ83a, LSZ84b, LSZ84c].
Polynomials [Réd76]. Ponce
[Löw90k, Löw90j, Löw91q, Löw92p, Löw92q, Löw95i, Löw95j, Löw96e, Löw96f, Löw97b, Löw97c, LÖSZ98, Löw98b, LÖSZ99, Löw99b, LÖS00].

Ponte [Löw94e, Löw94f]. Poppe [Löw88a]. population
[BDMC06, CSHM04, Per12, da12]. positive [Sco73]. Positrons [BCA04].

Possible [Löw68a, Löw68b, Löw68h, Löw07c]. pot [LGC78b, McL81].

Potential [BGC76, AM12]. Potentials [MY04]. Power [Sla76].

pp [Boy04, Boy05]. PPM [WJ12]. Practice [LC78, Par03], praktik [LC78].
prediction [May02a]. Preface [CG77, Lin93, Löw64h, Löw65e, Löw67f, Löw68f, Löw70c, Löw72c, Löw73d, Löw74d, Löw75d, Löw77e, Löw78d, Löw79, Löw80g, Löw80h, Löw81e, Löw81f, Löw81g, Löw82f, Löw82g, LCG82c, LG83, Löw85f, Löw86h, Löw88f, LGBC89, Löw89e, Löw91o, Löw92n, Löw92o, Löw94d, Löw95h, Löw96d, Löw81a, Löw89a]. Preis [Ahl83, Kön68].

Present [And04, Löw57, Löw68i, Löw89d, Löw89b, Löw54d, LÖS00, ÖSZL87, Car88, LGC78a, LP83, PL83, ES87, Löw65g, Löw80a, Löw81a, Löw81b, Löw82a, Löw82a, LCG82a, LZ83a, LZ84, LSZ84c, LÖSZ85c, LÖSZ85d, LÖSZ86c, LÖSZ86d, LÖSZ87c, LÖSZ87b, LÖSZ88d, Löw89a, ML83b, Ö683, Kor79]. Process [Löw70d]. Processes [Löw73b, LÖS79a, LÖS80c]. Product [Löw11a]. Prof [Löw63g]. Professor
[Löw63c, Löw63d, Löw65f, Löw65g, Löw66d, LGJLCB89]. Program
[Löw67h, Löw90e, Löw91d, Löw91e, Löw91f, Löw92b, Löw92e, Löw93c, Löw93d, Löw91g, Löw92g, Löw92h, Löw94c, Löw95e, Löw95f, Löw96c].

Progress [Löw62i, Löw95k]. Project [Löw76b, Löw77f, Lin10]. Projected
[Löw66f, Löw66a, Löw66g, LCC81, Löw83b, Pau76, Löw69b, HL76, Van76].

Projection
[BL69, ČVV87, FL57, Kil69, Löw62f, Löw62j, Löw64d, VB75, Cro77, Mei03].


Properties [Frör76, HNL76, JLS87, LL72, Löw48a, Löw63a, Löw66j, Löw67j, Löw67k, Löw68j, Löw71c, LG71, LFMS9b, Löw93f, Löw96g, Löw96h, Löwxxd, Pau76, RSS08, Löw48e, Löw56b, LCS+70, Löw70e, Löw01]. property [De 76].

protein [Per12, dA12]. Proton [Abd76, Cho76, KJL87, Löw62e, Löw63e, Löw64e, Löw64j, RS76a, Kry02].


Quadrature [BS06]. Quantization [Mc76]. Quantum.

[Ahl83, BK76, Bos83, Boy04, Boy05, BK04, BCA04, CGLÖ76b, Cal76, CL78, COM89, Car88, Dav76, FHL55, FL58, FH58, FL07, GS12, Gor84, Het00, KDOIa, König88, Kutt67b, Kutt67a, Lar04, Löw47a, Löw51d, Löw51e, Löw55b, Löw55c, Löw55d, LFH55, LS56, Löw56b, Löw57, Löw58c, Löw58f, Löw59b, Löw59a, Löw60b, Löw61b, Löw62f, Löw62g, Löw62h, Löw62a, Löw62i, Löw62c, Löw63d, Löw63f, Löw63b, Löw63g, Löw64c, Löw64f, Löw64i, Löw65c, Löw65b, Löw65f, Löw65g, Löw65h, Löw65i, Löw66e, Löw67a, Löw67d, Löw67e, Löw67i, Löw68c, Löw68g, Löw68i, Löw68l, Löw69e, Löw70a, Löw71e, Löw71f, Löw71g, Löw71a, Löw72b, Löw72d, Löw72e, Löw72a, Löw73a, Löw73e, Löw74a, Löw74c, Löw74e, Löw74f, Löw75c, Löw75e, Löw75f, Löw76a, Löw76b, Löw76c, Löw76d, Löw76e, Löw77e, Löw77a, Löw77b, Löw78a, LS78].

Quantum [LGC78b, Löw78e, LÖ79, LS79, Löw80b, Löw80f, Löw80a, LS80, Lö80, Löw80j, Löw81c, Löw81d, Löw81b, Lö81a, LS81a, LS81b, Lö81b, Löw82a, Löw82b, Löw82d, Lö82c, LS82b, LS82a, Löw83a, LÖM83, LZ83c, LZ83a, LÖS84a, LÖS84b, LÖS84, LS84, LS84c, Löw85b, LÖS85e, LÖS85e, LÖS85c, LÖS85d, Löw86a, Löw86d, Löw86f, LÖS86e, LÖS86c, LÖS86d, Löw86g, Löw86j, LÖS87d, LÖS87c, LÖS87b, Löw87c, LS88, Löw88c, Löw88h, Löw88g, LÖS88d, LÖS88c, Löw88i, LS89, Löw89a, LSZ89, Löw89f, Löw89d, Löw89g, Löw89b, LN89, LSZ790, Löw90e, Löw90h, Löw90k, Löw90j, LSZ91, Löw91d, Löw91e, Löw91f, Löw91g, Löw91q, Löw91p, Löw91r, LSZ92a, LSZ92b, Löw92e, Löw92c, Löw92g, Löw92h, Löw92f, LZ92, Löw92I, Löw93c, Löw93d, Löw93e, LSZ94, Löw94e, Löw94c, Löw94a, LZ94, LSZ95, Löw95c, Löw95a, Löw95e, Löw95f].

Quantum [Löw95d, Löw95k, LSZ96, Löw96b, Löw96c, LSZ+97b, LSZ+97a, Löw97a, LSZ+98c, LSZ+98d, LSZ+98b, Löw98a, LSZB99, LSZ+99b, LSZ+99a, Löw99a, Löwxxd, LSZ+00, LSZB00, Löw01, Löw07a, Löw07b, Löw07d, Mal04,
[LA56]. Rule [Ahl76, AK02]. Russian [KKS67].

S [Boy04, Boy05, Kle66b, Kle66a, Kut67b, LP64, Rei04a, Rei04b]. Sanderson [Lòw65f, Lòw65g]. Sànibel [Lòw63c, Lòw63d, Lòw63g, Lòw65f, Lòw65g, Lòw67g, Lòw68g, Lòw69e, Lòw71f, Lòw71g, Lòw72d, Lòw73e, Lòw74e, Lòw74f, Lòw75e, Lòw75f, LÒ76, LS76, LÒ77, LS77, Lòw83b, Lòw85i, Lòw85a]. Sasaki [Ste77]. Sawgrass [Lòw94e]. Scale [Lòw87c]. Scaling [Lòw59a, Lòw85d, Lòw86k, Lòw88e, LFM89a]. Scattering [ABD04, Ber76, BGC76, LÒ85e, LÒ85c, LÒ86e, LÒ86c, HL83].

SCF [KSM87, Lòw64g]. Scheme [FL83, Lòw63a, LFM89a, LFM89b, Lòw55d, Lòw58e, NSS12]. Schemes [Lòw66g, LCC81, RSS08, Lòw60a]. Schmidt [NSS12]. School [Lòw75a, Lòw75g, Lòw92r, CGLÒ76b, LSZÒ+00]. Sciences [Lòw70d, Lòw76b, Lòw83a, Lòw84, Lòw86l, Lòw92k, Lòw92l, Lòw95g, Lòw97d, Lòwxxc, Lòw77f].


Silico [And04]. Similar [Lòw88i]. Similarity [Lòw85d, Lòw88e, LFM89a, Mez97]. Simple [BS07, CL62, LCC81, Suz84a, Suz84b, Suz85, Suz90, Suz92]. Simplifications [Lòw54c]. simplified [CD04]. since [Meh75]. Situation [Lòw57, Lòw68i, Lòw89d, Lòw89b, Lòw88i]. Size [Lòw80i].

Size-Consistency [Lòw80i]. Slater [Lòw67g, MČ10b, AM12, Boun05, JH15, Jon88, JW89, Jon91, Lòw53c, Lòw66d, Lòw66h, Lòw83b, MK08, MK09, MC09, MČ10a, MČ11b, MČ12, Suz92, Hof67].

Slater-Type [Jon88, JW89, JH15, Jon91, Suz92]. Society [Brà14, Lòw97d, Lòwxxc]. Sodium [Lòw51e]. Software [FMPM+14]. Solid [HDK72, Hof67, Kor79, Lòw62g, Lòw65h, Lòw67g, Lòw68g, Lòw69e, Lòw71f, Lòw71g, Lòw72d, Lòw73e, Lòw74e, Lòw75e, LÒ76, LÒ77, LÒ78, LÒ79, LÒ80, LÒ81a, LÒ81b, LÒM83, LSZ84a, LZS84, LÒSZ85e, LÒSZ85c, LÒSZ86c, LÒSZ86c, LÒSZ87c, Lòw88h, LÒSZ88d, LSZÒ89, Lòw90k, Lòw91q, LZ92,
ML83b, Öö83, ÖSZL87, Löw62d, Löw66h, LZ91]. **Solid-State**

[Kor79, Löw67g, Löw68g, Löw69e, Löw71f, Löw71g, Löw72d, Löw73e, Löw74e, Löw75e, LÖ76, LÖ77, LÖ78, LÖ79, LÖ80, LÖ81a, LÖ81b, LÖM83, LSZ84a, LÖ84, LÖSZ85, LÖSZ85c, LÖSZ86e, LÖSZ86c, LÖSZ87c, Löw88h, LÖSZ88d, LÖSZÖ89, Löw90k, Löw91q, LZ92, ML83b, Öö83, ÖSZL87, Löw62d, LZ91].

**Solids** [FL62, Löw71a, LCH72, SLa76, Löw56b, LCS70, Low01].

**Solute** [Luq04].

**Solution** [CC04, Lev76, Löw62j, Löw64l].

**Solvay** [Meh75].

**Solved** [Löw94g].

**Solvent** [Luq04].

**Solving** [Löw58d, Löw59c, Löw62c, Löw63h].

**Some** [ACL73, BS07, Cal76, JL87, KSM87, KS88, Kol76, Löw47a, Löw48a, Löw51b, Löw58g, Löw59b, Löw62i, Löw64j, Löw64i, Löw67j, Löw67k, Löw68a, Löw68b, Löw68i, Löw68j, Löw69f, Löw69g, Löw70d, Löw70e, Löw71b, Löw71c, LM72b, LM72a, Löw75a, Löw75g, Löw76b, Löw77f, Löw77g, Löw77h, Löw77b, Löw80j, Löw83e, Löw84, Löw85g, Löw85h, Löw86c, Löw86j, Löw86k, Löw86l, Löw87b, Löw87c, Löw88c, Löw88j, Löw88d, Löw89b, LFMM89b, Löw89h, LN89, Löw91r, Löw92m, LM92, Löw93f, Löw93h, Löw94g, Löw94h, Löw95k, Löw96g, Löw96h, Löw97d, Löw98c, Löw98d, Löwxxc, Löwxxd, Löwxxb, Löwxxa, Löw07a, Löw07b, Löw07c, Löw07d, ML93, Sut02, TL81, TL82, GLA+08, Löw48c, Löw48d, Löw48e, May10, Löw60c, Löw62k, Löw65h].

**Something** [Löw91s].

**Son** [Heh18].

**Sorrento** [Löw81a].

**sostoianiakh** [KKS67].

**Space** [BL69, KS76, Lat76, Uzi04].

**Spaces** [Löw96g, Löwxxa].

**Spain** [Car88].

**Spanned** [BL69].

**Special** [COM89, Löw85g, Löw92m, OS02, Suz85].

**Specifics** [Bun17].

**Spectra** [Löw85d, Löw88e, LFMM89a, Löw95k, Löw99a, VBHG95].

**Spectral** [LBH04].

**spectrally** [WJ12].

**Spectroscopies** [Laz04].

**spectroscopy** [LSZ+00].

**Spheres** [Tul04].

**Spin** [HL65, Kat04, Kil69, LS55, Löw58h, Löw64b, LG68, LG69, Löw83b, Löw87a, Löw92m, Löw96g, MY04, Pan76, SL58b, SL59, HL59, Lev76, Löw55b, Löw62d, Pan82a, Pan82b, Pan83, Pan84].

**spin-adapted** [Pan82a, Pan82b, Pan83, Pan84].

**Spin-Orbit** [Kil69, Löw64b].

**Spin-Orbitals** [HL65, LS55, Löw87a, HL59, Lev76, Löw55b].

**Spin-Projected** [Löw83b].

**Spins** [Kat04].

**Splitting** [SL56].

**sponsored** [LGC78b].

**spontaneous** [Kry02].

**Square** [Löw92l, Sco73].

**St** [LSZÖ89, Löw89f, Löw90k, Löw90j, Löw91q, Löw91p, Löw92p, Löw92q, LöOSZ93, Löw93g, Löw95i, Löw95j, Löw96e, Löw96f, Löw97b, Löw97c, LöSÖ28, Löw98h, LöSZ99, Löw99b, LÖS00].

**Stability** [Löw66j, Löw67k, Löw72a, Löw83c, Löw86d].

**Stabilization** [Löw85c].

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