A Selected Bibliography of Publications by, and about, John Clarke Slater

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Title word cross-reference

#1 [Sla62].

$10 [Sla56b]. 14.5 \times 22 [Sla56b]. \$5.95 [Sla68b]. + [Pra52, SWW69]. +2 [WWS70]. − [Sla59b], 2 [Sla41, Sla87]. 3 [Sla31c]. −3 [Sla59b]. 4 [Sla41, Sla87].
α [Sla73a]. α [Con77, Sla70b, Sla72a, SJ72, Sla74b, Sla75a]. d [RFST85]. sech^2 [HMMT04].


3-cm [BGH+46]. 387pp [Sla56b].

4 [Cho74]. 44.85 [T.75].
C [Ano53, Ano67, Bar56, Blö69, Bom01, CC61, Chi64, Cho74, Coh56, Con10, CWH+52, Dew63, Dus52, Ehr75, Ett35a, Ett35b, Fer48, Gar70, Hay51, Hof67, Jon76, Kle53, Kon80a, Kon80b, Kon97, KMV77, Löw66a, Löw66b, Meg61, Mer69, Nes10, OT80, Pag34, Phi74, Sop78, T.75, Tay69, Tol56, Van76, Wit52].

C. [Sla64a]. Calculation [HCST73, Kon80a, Kon80b, KS54a, Sla79, Hat72, OT80, Seg77a, Seg77b]. Calculations [HS63, Sla64b, Sla65e, Sla67d, Sla76b, Sla67d]. Capturing [Moh13]. Casting [CWH+52]. catalysis [SJ74]. Cavities [MS52a]. Cavity [MS52b, SS52], cellular [Sla76b], centenary [FK85]. Center [MJW71, Sla60b]. Central [Sla28a]. Change [Mar15]. changed [Sla69b]. Changing [Par03], chapters [Hod92]. Charge [WFS+01]. Charles [Sla37f].

Chauncey [CWH+52]. Chemical [Pau31a, Pau31b, Sla39, Sla51a, Sla70c]. Chemistry [Ehr75, LP64, Par03, Par09, PW35, Sch90, Sla56b, SHR13, DP74, M+97, SJ74, SM73]. Chemists [Hen03, Hen04]. Clarke [Ame82, Bom01, Hoc00, Hor00, Löw67, Mor82, Sch90, Wei70a, Wei07, Wil76, Hod08]. Claude [CWH+52]. Climate [Gol92]. Cluster [SJ72], cm [BGH+46, Sla56b].


Conduction [Sla33a]. Conference [MJW71, Sla49d, Sla58a, SM73, LW77]. Configuration [Sla54]. configurations [Tud93]. Confocal [SS52].

Congress [DP74]. Connection [Pau40]. Connolly [SWS+73]. Considerations [Sla37h]. Consistent [KS65, Phi74, Sla28d, Sla53c, Sla69a, Sla72, Sla72d, Sla74c, Sla51i, Sla71c].

Constant [Sla40a]. Constants [Sla30a]. Contexts [Par00]. Conversion [Sla51a]. Cornell [Ano37]. Correction [Sla50a]. Correlation [KS65, Sla63b, Sla67a, Sla72d]. Crystal [Sla58a, SW70, SW71, Hod92].

Crystals [Sla37a, Sla58b, Sla64c, Sla65a, Sla65b, SMWW69, Sla69a, Sla38b, Sla71c, Sla72e]. Cu [Pra52, SWW69]. Curie [Sla40b], curmudgeon [And11a]. Current [Sla58a, Sla67e]. Cusp [Moh13]. Cusps [RH09].

Cyclotron [Hil15].


E. [Sla73b]. each [UG25]. Early [Par03]. Earnest [CWH+52]. edition [Sla56b]. Edward [BO71]. Effect [BU26, Sla40b, Sla51a]. Effective [WFS+01]. Effects [KS65, Sla36b, Sla51g, Sla51c, FAAC93]. Efficient [USOA13]. Egyptian [CWH+52]. Einstein [Kle70, Kos86]. einzelnen [UG25]. Electrodynamics [Sla38a]. Electromagnetic [SS52]. Electromagnetism [SF47a, SF69]. Electron [BU26, DKS52, Pau31b, Sla37a, SSK53, Sla55a, SKW62, Tho26, GU26, PCR73, Sla51b, Sla70a, Tud93, UG25, LW77]. Electronic [Chi64, Joh65, Par03, Sla34a, Sla34b, Sla37g, Sla53d, Sla53e, Sla53f, Sla54, Sla63b, Sla63c, Sla67d, Dew63, Seg77a, Seg77b, Sla57]. Electronic-Structure [Sla63c]. Electronics [Sla46a, Sla50c, Sla69d, Hay51]. Electrons [RS36, Sla26d, Sla49a, SWW69, UG26, Sla56d, Sla56b]. electrostatic [RLER04]. Elektrons [UG25]. Elements [Amo97, Dus36, USOA13]. Elwood [Sla37f]. Emigration [Rid84]. Employing [Fis19]. Enemy [CWH+52]. Energies [Sla55a]. Energy [AFR68, Pra52, Sla31b, Sla34a, Sla37d, Sla52b, Sla52a, SKW62, Sla64b, Sla65a, Sla66, Sla67b, Sla68a, Sla68f, Sla68d, Sla68e, Sla68c, SW70, SW71, WP57, Woo62, Hat72, HCST73, HMMT04, Sla38b, Sla53e, Sla68i, Sla72c, SM73]. Energy-Band [Sla66]. Engineers [CWH+52]. Equation [Sla31d, Sla51c, Sla46b]. Equations [KS65, Pra52]. Ernest [Hil15]. Ersetzung [UG25]. Establishment [Cob72]. Ettore [EAW15]. Evaluation [Amo97, FP73]. Evans [CWH+52]. Evidence [Kon83]. Exact [FP73]. Example [SSK53]. Excel [PM12]. Exchange [KS65, Sla68c, SWW69, SW70, SW71, Sla71a, Sla72d, WWS70, HM05, Sla70b, Sla72c]. Exchange-Correlation [Sla72d]. Excited [Sla38b]. Executive [Sla52c]. Expanded [Sla56f, RH09]. Expansion [L¨ow83]. Experimental [CWH+52, BG24]. experimentellen [BG24]. experiments [GHW09]. Explanation [BU26, Hen03, Hen04]. Extension [Gou30].

F [CWH+52, Ett35a]. F. [Ett35b, Sla75b]. Fast [ISS06]. Fe [WP57]. February [KMV77, Mol95, Wei70a]. Fellow [Sla56b]. Fermi
Ferroelectricity [Wel67, Sla67f, Wel67].  
Ferromagnetism [Sla36a, Sla36b, Sla37d, Sla53b, SSK53, Sla53g].  
Feynman [AM06, Sla72a].  
FHF [Sla59b].  
Field [MS52b, MS52a, Phi74, Sla28d, Sla53c, Sla69a, Sla72, Sla72d, Sla74c, AM06, Sla71c].  
Fields [Sla28a].  
Fifty [Ehr75, PCR73].  
Figs [Sla56b].  
Film [Gar70].  
Fireside [CWH+52].  
First [Kle70, WWS70, DP74, PCR73].  
First-Transition-Row [WWS70].  
Fishery [CWH+52].  
Fits [PM12].  
Fitting [PM12].  
Florida [Löw67].  
Fock [Wag83, Gas54, LS70, Pra52, Sla51c, Sla51e, Sla63b, Wag83, WP57].  
Fockschen [Gas54].  
Following [SWS+73, Har65].  
Forces [SK31].  
Forderung [UG25].  
Formulas [KU94, Sla28a].  
Found [Pra52, WP57].  
Fractional [Sla71d].  
France [DP74].  
Frey [Ett35a, Ett35b, Fer48, Pag34].  
Free [SKW62].  
Freshwater [CWH+52].  
Fifty [Ehr75, PCR73].  
Gs [Sla56b].  
Gallium [SKW62].  
Gases [SK31].  
Gaussian [BT88, Mag14, PAAC93, RFST85, RLER04, SHR13].  
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Gaussians [PM12].  
Geminal [Moh13].  
General [KU94, Wel67].  
Generalized [Sla53c, VV91].  
Genesis [Kon83].  
Genius [Ree99].  
German [BK54, BG24, Gás54, UG25].  
Given [Sla68a].  
Great [Wei70b].  
Green [Joh65].  
Green's [Sla66].  
Green's-Function [Sla66].  
Ground [PAAC93, Don11, ZD11].  
Group [Sla53h, Sla53i].  
Groups [Sla31c, Sla65b].  
 Grüneisen [Sla40a].  
Guide [Sla67d].  
G [CWH+52].  
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Gaussian-Type [Mag14].  
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Ground [PAAC93, Don11, ZD11].  
Group [Sla53h, Sla53i].  
Groups [Sla31c, Sla65b].  
 Grüneisen [Sla40a].  
Guide [Sla67d].  
H [Ett35a, Ett35b, Fer48, Pag34, Sla71b, SWS+73, AM06].  
 Halides [Sla23, Sla24a, Sla26c, SS36].  
Hamiltonian [AM06, USOA13].  
Harold [CWH+52].  
Harris [CWH+52].  
Hartree [Gás54, WP57, Gás54, LS70, Pra52, Sla30c, Sla51c, Sla51e, Sla63b, Wag83].  
 Heights [MJW71].  
Heisenberg [Sla72c].  
Heitler [Sla65c].  
held [DP74, IW77, Löw67, MJW71].  
Helium [Sla25a, Sla27c, Sla28c].  
Hellmann [Sla72a].  
High [Sla52b, Sla65d, RLER04].  
High-Pressure [Sla65d].  
high-quality [RLER04].  
Hill [T.75].  
Historic [Löw85].  
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Hopkins [Sla68b].  
Houston [Gon30].  
Howard [CWH+52].  
Huet [CWH+52].  
Hume [Sla56a, Sla56d].  
Hume-Rothery [Sla56b, Sla56d].  
Hund [Sla75b].  
Hybridisation [Par00].  
Hydrogen [CS18, Sla25a, PAAC93, Sla20].  
hydrogenic [PAAC93].  
Hyper [LS70].  
Hyper-Hartree [LS70].  
Hyperbola [Par03].  
Hypothese [UG25].  
 hypothesis [UG25].  
IBM [MJW71, MJW71].  
Identity [Par03].  
II [Pau31b, SS53, Sla36b, Sla37c, Sla53f, CC61].  
III [Sla54].  
Impedance [MMS49].  
Imperatives [Par09].  
Important [CFDFS53a, CFDFS53b, CFDFS54].
many-electron [Sla70a]. Maple [PM12]. Marcel [CWH+52].
Massachusetts [Sla56f]. materia [Sla80]. Materials
[LC10, Sla51g, Sla56e, Sla56f, Sla60b, Sla76a]. mathematical [EAW15].
Mathematicians [Rid84]. Mathematics [CWH+52]. Matlab [Fis19].
Matrix [Amo97, Jan08, LS70, USOA13]. Matter [Sla31e, Sla51j, Sla53j,
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May [MJW71]. maze [Hod92]. McGraw [T.75]. meaning [Sla29b].
Means [BU26]. Measurement [Sla26c]. Measurements [MS52a]. Mechanics
[Cob72, Hen81, Hen03, Jan08, Pau31a, PW35, Sla28a, Sla28b, SF47b, SF83,
vD67, PCR73, Sla29b, Sla73c, Gar70, Fer48]. Medical [CWH+52].
Medicine [CWH+52]. Memo [Sla62]. Memoir [Mor82]. Memorial [KMV77].
Mendenhall [Sla37f]. Menton [DP74]. Metallic [Ano37, Sla33a]. Metallurgical
[Sla56b]. Metallurgy [CWH+52]. Metals [Löw66a, Sla30b, Sla34a, Sla34b, SK35,
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Sla75a, Sla76b]. Michigan [Wel67]. Microsoft [PM12]. Microwave
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Mitchell [CWH+52]. Mu [WW570]. Model
[Kon98, Sla26b, AM06, ERW75]. Modern
[Sla55b, BO71, Coh56, Bar56, Tol56]. Moldenke [CWH+52]. Molecular
[Ehr75, Hen03, Kon80a, Kon80b, LP64, Löw67, Sla31b, Sla32b, Sla33b,
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Sla31a, Sla33d, Sla55a, Sla63c, Sla65a, Sla67g, Sj72, Sla74c, Dew63, ERW75,
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Moments [Kai10]. Momentum [RFST85]. Monday [Sla71b]. Monovalent
[Löw66a, Sla30b]. Motion [Tho26]. Motivated [AM06]. Motors [Wel67].
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[Sla64d, LP64]. Multiplet [Gou30]. Multiplicities [Sla68a]. My
[CWH+52, CWH+52].

N [CWH+52, Ett35a, Ett35b, Fer48, Pag34]. Nachprüfung [BG24]. Name
[Mar15]. narrative [Com56]. Nature
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Newburyport [Sla64d]. NG [PM12]. Nickel [Sla36a, Sla36b, Sla40b]. Niels
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[MMS49, Sla28c]. Note
[Sla30c, Sla31c, Sla32b, Sla40b, Sla40a, Sla51h, Sla51d, Sla59b, Sla70a, Don11].
Notes [And11a]. Nuclear [WFS+01]. Numbers [SMWW69, Sla71d]. NY
O [Sla31c]. Obituary [Jon76, Van76, Wil76]. Obtained [Pau31a].
Oral [Wei70a]. Orbital [Sla65c]. Orbitals [LP64, Mag14, PM12, Sla51h, Sla79, RFST85, RH09, Sla51i, SC76, Tal04, Kon80a, OT80, Kon80b]. Order [Sla37a]. Ordered [Joh65]. Origins [Par00]. Orthogonal [Amo97, Sla51h, USOA13]. Oscillator [Kon98]. Oscillators [Hen81].
QTP [Con10], quality [RLER04]. Quanta [Sla28b]. Quantentheorie [BKS24b]. quantistica [Sla80]. Quantum [CGLÔ76, Cob72, Gar70, Hen81, Hen03, Kon98, Löw66b, M+97, Par03, Par09, Pau31a, PW35, Sch90, Sla25d, Sla25e, Sla31d, Sla31e, Sla51j, Sla53j, Sla60c, Sla63c, Sla65a, Sla67c, Sla67g, Sla68g, Sla68h, Sla69c, SJ74, Sla74c, Sla75b, Sla77, Sop76, Sop80, Sop88, Was81, vdW67, BKS24b, BKS24a, Boh67, DP74, Dus36, GHW09, Sla73c, Ano53, Meg61, Mer69, Phi74, Sla64a, Sla80, Tay69, Bl69, CC61, Chi64, Cho74, CWH+52, Dew63, Dus52, Hof67, Kle53, T.75, Wit52]. quest [Com56].


S [CWH+52, LP64]. Sanibel [Löw67, Sla71b, Sla73b, Löw83, Löw85]. Scattering [RS36]. Schrödinger [Don11, Sla27b, ZD11]. Science [Hil15, CGLÔ76, Hoc90]. Sciences [Sla76a]. Scientific [Cob72, Ehr75, Löw85, Par03, Sla75c, Sop78]. Screening [WFS+01]. Second [MMS49, Sla68b]. Self [KS65, Phi74, Sla28d, Sla53c, Sla69a, Sla72d, Sla72e, Sla74c, Sla51i, Sla71c]. Self-Consistent [KS65, Sla53c, Sla69a, Sla72d, Sla74c, Sla51i, Sla71c]. Self-Consistent-Field [SJ72]. Semiconductors [Sla67g]. Semiconductors [Mer69]. Semiempirical [Seg77a, Seg77b]. September [LW77, Sla49d]. series [Sla76b]. session [KMW77]. sets [RLER04]. Several [SWW69]. Shackley [CWH+52]. Shaler [CWH+52]. Shielding [Sla30a]. Shockley [Mol95]. short [Don11]. Simplification [Sla51e]. Simplified
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X [Con77, Fis19, Sla31c, Sla70b, Sla72a, SJ72, Sla73a, Sla74b, Sla75a]. X-ray [Fis19]. XI [Dus36]. xvii [T.75].

Years [Ehr75, Löw85, Par03, PCR73, Sop88]. York [MJW71, OT80, Sla56b, T.75]. Yorktown [MJW71]. Young [Sch90].

Zeeman [BU26]. Zones [Sla51d]. zur [BG24]. Zwang [UG25].

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In this paper, the Hartree–Fock–Slater $X$-$\alpha$ equations [Sla51e, Sla72d] are rederived by an independent method, with the prediction of a value $\alpha = 2/3$, instead of Slater’s original $\alpha = 1$. The same factor was later rediscovered in independent work [KS65].
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