

- **E. Czuchaj and J. E. Sienkiewicz**
Adiabatic potentials of the alkali-rare gas atom pairs
Z. Naturforsch. 434a (1979) 694-701
- 1. Vaynberg B Matusovsky M Rosenbluh M
 Satellite structure in the Na-Xe collisional lineshape observed in
 four wave mixing
 OPT COMMUN 126: (4-6) 339-347 MAY 15 1996
- 2. Bokelmann F Zimmermann D
 Determination of the K-Ar interaction potential in the $X\Sigma$ and
 $A\Pi$ state from laser spectroscopic data
 J CHEM PHYS 104: (3) 923-934 JAN 15 1996
- 3. Sadlej J Edwards WD
 Ab-Initio Study of the Ground and 1st-Excited State of LiAr
 INTERNATIONAL J OF QUANTUM CHEMISTRY 1995, Vol 53, Iss 6, pp 607-615
- 4. Bruhl R Zimmermann D
 High-Resolution Laser Spectroscopy of the A(-X Transition of LiAr
 CHEMICAL PHYSICS LETTERS 1995, Vol 233, Iss 4, pp 455-460
- 5. Gu JP Hirsch G Bunker RJ Petsalakis ID Theodorakopoulos G Huang MB
 Electronic States and Radiative Transitions in LiAr
 CHEMICAL PHYSICS LETTERS 1994, Vol 230, Iss 6, pp 473-479
- 6. Kajita M
 A Novel Interpretation of Collisional Cross-Sections Between Cs
 and Rare-Gas Atoms
 JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN 1994, Vol 63, Iss 5, pp
 2004-2005
- 7. Bulanin MO
 Dispersion of Tensor of Polarizability Induced by Intramolecular
 Coupling
 OPTIKA I SPEKTROKOPIYA 1993, Vol 75, Iss 5, pp 973-980
- 8. Baumann P Zimmermann D Bruhl R
 Laser Spectroscopic Investigation of the Vanderwaals
 Molecule Nax
 JOURNAL OF MOLECULAR SPECTROSCOPY 1992, Vol 155, Iss 2, pp 277-297
- 9. Bruhl R Kapetanakis J Zimmermann D
 Determination of the Na-Kr Interaction Potential in the
 $X\Sigma$ and $A\Pi$ State by Laser Spectroscopy
 JOURNAL OF CHEMICAL PHYSICS 1991, Vol 94, Iss 9, pp 5865-5874
- 10. Lee CJ Havey MD
 Laser Spectroscopy of the $3S\ 2\Sigma(-P2-Pi)$ Transition in Line
 PHYSICAL REVIEW A 1991, Vol 43, Iss 11, pp 6066-6074

11. Olsgaard DA Havey MD Sieradzan A
Polarization Measurements of Na 3P 2P_{3/2} in Na-Ar, Na-Kr and Na-Xe
Optical Collisions
PHYSICAL REVIEW A 1991, Vol 43, Iss 11, pp 6117-6123
12. Lee CJ Havey MD Meyer RP
Laser Spectroscopy of Molecular LiHe - The 3D 2-Delta(-2P 2-Pi Transition
PHYSICAL REVIEW A 1991, Vol 43, Iss 1, pp 77-87
13. Inoue Y Uchida K Hori H Sakurai T
Collision Broadening and Shift of Cesium D2 Resonance
Line Perturbed by Every Rare-Gas
J OF THE PHYSICAL SOCIETY OF JAPAN 1990, Vol 59, Iss 2, pp 516-521
14. Callender CL Mitchell SA Hackett PA
Interatomic Potentials for Vanderwaals Complexes of
Group 13 Metal Atoms - Inar, Inkr, and Inxe
JOURNAL OF CHEMICAL PHYSICS 1989, Vol 90, Iss 5, pp 2535-2543
15. Lobb WS Mccartan DG
The Effective Range of Interatomic Potentials in
Collision Broadening
J OF PHYS B-ATOM MOL AND OPT PHYS 1988, Vol 21, Iss 24, pp L723-L726
16. Zanger E Zimmermann D Schmatloch V
Laser Spectroscopic Investigation of the Vanderwaals Molecule NaKr
JOURNAL OF CHEMICAL PHYSICS 1988, Vol 88, Iss 9, pp 5396-5407
17. Nieuwesteeg KJBM
The Influence of Realistic Velocity-Dependent Cross-Sections on the Correlation
Between Doppler and Collisional Broadening of the Na D1 Spectral-Line
J OF PHYS B-ATOM MOL AND OPT PHYS 1988, Vol 21, Iss 8, pp 1353-1365
18. Jungen M Staemmler V
Potential-Energy Curves for the Rydberg States of LiHe
and the Spectrum of Li Atoms Interacting with He Gas
J OF PHYS B-ATOM MOL AND OPT PHYS 1988, Vol 21, Iss 3, pp 463-484
19. Jongerius MJ
Collisional Broadening of the Na D Lines by Xenon in
High-Pressure Sodium Arcs
J OF PHYS B-ATOM MOL AND OPT PHYS 1987, Vol 20, Iss 14, pp 3345-3365
20. Nieuwesteeg KJ Alkemade CTJ Hollander T Leegwater JA
A Study of Collisional Broadening of the Na D-Lines by
Neon and Xenon Perturbers .1. The Line Core
J OF PHYSICS B-ATOM MOL AND OPTL PHYS 1987, Vol 20, Iss 3, pp 487-513
21. Nieuwesteeg KJ Alkemade CTJ Hollander T
A Study of Collisional Broadening of the Na D-Lines by
Neon and Xenon Perturbers .2. The Line Wings
J OF PHYS B-ATOM MOL AND OPT PHYS 1987, Vol 20, Iss 3, pp 515-529

22. Duborg I Ferray M Visticot JP Sayer B
Experimental investigation of Rb (6S or 4D)-rare gas interaction:
determination of interaction potentials and oscillator strengths
J PHYS B-AT MOL OPT 19: 1165-1175 1986
23. Havey MD Copeland GE Delahanty FT Vahala LL
Experimental Fine-Structure Branching Ratios for Na-Rare-Gas Optical Collisions
PHYSICAL REVIEW A-GENERAL PHYSICS 1986, Vol 34, Iss 4, pp 2758-2766
24. Harima H Ihara T Tachibana K Urano Y
Potential Calculation for Alkaline-Earth-Metal-Ion Rare-
Gas-Atom Pairs and Its Application to Line-Core Analysis
PHYSICAL REVIEW A-GENERAL PHYSICS 1986, Vol 34, Iss 4, pp 2911-2919
25. Pascale J
Recent progress in molecular structure calculations of alkali-rare
gas systems
in Spectral Line Shapes Vol. 3 ed. F. Rostas
WALTER DE GRUYTER & CO., BERLIN, NY 1985
26. Van den Be. F
CHEMICAL PHYSICS 93: 171 1985
27. Visticot JP
JOURNAL OF PHYSICS B ATOMIC MOLECULAR AND OPTICAL PHYS 18:
2861 1985
28. DeVries PL
JOURNAL OF CHEMICAL PHYSICS 80: 186 1984
29. DeVries PL
PHYSICAL REVIEW A 29: 1535 1984
30. Pascale J
Use of l-dependent pseudopotentials
PHYSICAL REVIEW A 28: (2) 632-644 AUG 1983
31. George TF
CHEMICAL PHYSICS LETTERS 96: 99 1983
Vicharel PA
JOURNAL OF CHEMICAL EN D 28: 339 1983
32. Van Deventer JMM, Van der Valk F
Determination of the Na($^2P_{3/2}$)-Xe(1S_0) interaction
potentials from differential scattering cross sections
PHYSICA 112C: 119-130 1982
33. Allard N
REVIEW OF MODERN PHYSICS 54: 1103 1982
34. Czuchaj E
ZEITSCHRIFT FÜR NATURFORSCHUNG A 37: 325 1982
35. Düren R
JOURNAL OF CHEMICAL PHYSICS 77: 3286 1982
36. Düren R
ZEITSCHRIFT FÜR PHYSICS A 307: 1 1982
37. Van Deventer JMM
PHYSICA B & C 112: 119 1982

38. Pascale J
PHYSICAL REVIEW A 26: 3709 1982
39. Sayer B
ACS SYMP S 1982: 51 1982
40. Sayer B
ACTA PHYSICA POLONICA A 61: 351 1982
41. Visticot J P Szudy J Ferrey M Sayer B
Experimental study of the satellite of the Cs($6S_{1/2}$ - $5D_{3/2}$) line perturbed
by a rare gas and comparison with the predictions of a quasimolecular model
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS
14: 4755-4761 1981
42. Visticot J P Szudy J Sayer B
Semiclassical description of the satellite profile of
the Cs($6S_{1/2}$ - $5D_{3/2}$) transition perturbed by argon allowing
molecular potential determination
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS
14: 2329-2335 1981
43. Webster CR
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS
14: 4497 1981
44. Collins CB
JOURNAL OF CHEMICAL PHYSICS 75: 4852 1981
45. Delhoume M
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS
14: 3857 1981
46. Düren R
CHEMICAL PHYSICS LETTERS 79: 481 1981
47. Dren R
JOURNAL OF CHEMICAL PHYSICS 74: 6806 1981
48. Jongerius MJ
JOURNAL OF QUAN SPECTROSCOPY 25: 1 1981
49. Laskowski BC
JOURNAL OF CHEMICAL PHYSICS 75: 815 1981
50. Rostas F
ANN PHYSIQ 5: 265 1980
51. Sayer B
ANN PHYSIQ 5: 291 1980
52. Tellinghausen J
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS
13: 4781 1980
53. Czuchaj E
ZEITSCHRIFT ÜR PHYSICS A 298: 237 1980
54. Düren R
JOURNAL OF CHEMICAL PHYSICS 73: 5155 1980
55. Ferray M
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS
13: 2571 1980

56. Sayer B
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS
13: 177 1980
57. Czuchaj E
ACTA PHYSICA POLONICA A 56: 845 1979
- **E. Czuchaj and J. E. Sienkiewicz**
Pseudopotential calculation of the adiabatic potentials and oscillator strengths of cadmium-rare-gas pairs
J. Phys. B 17 (1984) 2251-67
1. Czuchaj E Krosnicki M Stoll H
Quasirelativistic valence ab initio calculation of the potential energy curves for the Hg-rare gas atom complexes
CHEM PHYS 263: (1) 7-17 JAN 1 2001
 2. Koperski J Czajkowski M
Spectroscopic characterization of the ZnNe van der Waals molecule in the $X0^+(4S-1(0))$ and $D1(4P-1(1))$ energy states - art. no. 012505
PHYS REV A 6201: (1) 2505-+ JUL 2000
 3. Czuchaj E Stoll H
Calculation of ground- and excited-state potential energy curves for the Cd-rare gas complexes
CHEM PHYS 248: (1) 1-16 SEP 15 1999
 4. Brym S Ciurylo R Trawinski RS et al.
Speed-dependent collisional effects on the 326.1-nm Cd line perturbed by Xe
PHYS REV A 56: (6) 4501-4507 DEC 1997
 5. Brym S
Analysis of broadening and shift of 326.1 nm Cd line by Ar and Kr
ACTA PHYS POL A 91: (3) 505-511 MAR 1997
 6. Helmi MS Grycuk T Roston GD
Interaction potentials of Cd-Xe from temperature dependent absorption spectra
CHEM PHYS 209: (1) 53-60 SEP 1 1996
 7. Brym S Ciurylo R Lisicki E et al.
Pressure broadening and shift of the 326.1 nm Cd line perturbed by argon
PHYS SCRIPTA 53: (5) 541-544 MAY 1996
 8. Brym S Domyslawska J
Influence of Krypton on the Shape and Shift of the 326.1 nm(5(1)S(O)-5(3)P(1))-Cd Intercombination Line
PHYSICA SCRIPTA 1995, Vol 52, Iss 5, pp 511-515
 9. Kaup JG Breckenridge WH
Singlet-to-Triplet Energy-Transfer Within $M(Rg)(N)$ Van-der-Waals Clusters ($M=mg, Zn Rg=ar, Kr, Xe$)
JOURNAL OF PHYSICAL CHEMISTRY 1995, Vol 99, Iss 37, pp 13701-13712

10. Czajkowski M Krause L Bobkowski R
D1(5^1P_1)– $X0^+(5^1S_0)$ spectra of CdNe and CdAr excited in crossed
molecular and laser beams
PHYS REV A49: (2) 775-786 FEB 1994
11. Czajkowski M Bobkowski R Krause L
Excitation spectra of the D1(5^1P_1) – $X0^+(5^1S_0)$ transition of CdNe and
CdAr molecules in jet-expansion beam
SPIE 1711: 129-138 JUN 1992
12. Czajkowski M Bobkowski R Krause L
Pump-and-probe studies of the E1(6^3S_1)– $A0^+(5^3P_1)$ excitation spectrum of
CdAr in a supersonic beam
PHYS REV A45: (9) 6451-6458 MAY 1992
13. Bennett RR Breckenridge WH
Vanderwaals Bonding in the Lowest Electronic States of
Mgar, Znar, Cdar, and Hgar - Spectroscopic
Characterization of the B 3-Pi-2 and E3-Sigma+ States of the Cdar Molecule
JOURNAL OF CHEMICAL PHYSICS 1992, Vol 96, Iss 2, pp 882-890
14. Masaki A Ohnuma T Kuwahara K Ikeda H Umemoto H
The Intramultiplet Relaxation of Cd(5^3P_2) Induced by
Collisions with He-4, He-3 and Ar
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS
1992, Vol 25, Iss 1, pp 181-188
15. Boatz JA Bak KL Simons J
Abinitio Studies of Ground and Excited Electronic States
of Mgar, Cdar, and Bear
THEORETICA CHIMICA ACTA 1992, Vol 83, Iss 3-4, pp 209-225
16. Czajkowski M Bobkowski R Krause L
Depopulation of the $5(3)P_1$ State of Cadmium by
Collisions with Ground-State Cd and Noble-Gas Atoms
SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY 1991, Vol 46,
Iss 1, pp 1-7
17. Czajkowski M Bobkowski R Krause L
Depopulation of the (5^3P_1) state of cadmium by collisions with ground-
state Cd and noble-gas atoms
SPECTROCHIMICA ACTA 76: (1) 1-7 1991
18. Czajkowski M Bobkowski R Krause L
Depopulation of the Zn 4^3P_1 by collisions with ground-state Zn and noble-
gas atoms
SPECTROCHIMICA ACTA 46B: (8) 1161-1169 1991
19. Czajkowski M, Bobkowski R, Krause L
Spectroscopy of $A0^+ - X0^+$ and $B1 - X0^+$ transitions in CdKr
PHYS REV A44: (1) 5730-5736 NOV 1991

20. Bobkowski R Czajkowski M Krause L
Spectroscopy of $A^30^+ - X^10^+$ and $B^31 - X^10^+$
transitions in CdNe and CdAr molecules
PHYS REV A41: (1) 243-251 JAN 1990
21. Okunishi M Tsuchiya S Yamanouchi K
High-Temperature Pulsed Valve and Its Application to
Laser Spectroscopic Study of CdAr Vanderwaals Complex
CHEMISTRY LETTERS 1989, Iss 3, pp 393-396
22. Funk-DJ Kvaran A Breckenridge WH
Spectroscopic Characterization of the Lowest Singlet-
States of Cdne, CdAr, and CdKr
JOURNAL OF CHEMICAL PHYSICS 1989, Vol 90, Iss 6, pp 2915-2926
23. Kvaran A Kowalski A Funk DJ Breckenridge WH
Spectroscopic Characterization of the X(10+) and A(30+)
States of Cdne, CdAr, CdKr, and CdXe
JOURNAL OF CHEMICAL PHYSICS 1988, Vol 89, Iss 10, pp 6069-6080
24. Breckenridge WH Merrow CN
Nascent State Distributions of Ca(4S3D1D2), Ca(4S3D3Dj),
and Ca(4S4P3Pj) in the Collisional Deactivation of
Ca(4S4P1P1) by the Rare-Gases
JOURNAL OF CHEMICAL PHYSICS 1988, Vol 88, Iss 4, pp 2320-2328
25. Breckenridge WH Merrow CN
Exclusive Production of Ba(6S6P 3P2) in the Collisional
Deactivation of Ba(6S6P 1P1) by the Rare-Gases
JOURNAL OF CHEMICAL PHYSICS 1988, Vol 88, Iss 4, pp 2329-2333
26. Richards DS Setser DW
Excitation-Transfer Studies of N2(A3-Sigma-U+) with CD Atoms
JOURNAL OF PHYSICAL CHEMISTRY 1988, Vol 92, Iss 13, pp 3821-3828
27. Czuchaj E, Stoll H, Preuss H
Pseudopotential SCF/CI calculations for the potential energies of the MHe
and MNe (M=Mg, Cd, Hg) systems
J PHYS B-AT MOL OPT 20: 1487-1507 1987
28. Callear AB Du KY
Fluorescence of Excited Complexes of the P-1(1) and P-
3(2) States of Hg-6S6P with Xenon
CHEMICAL PHYSICS LETTERS 1986, Vol 128, Iss 2, pp 141-144
29. Duval MC Breckenridge WH Dazy OB Jouvret C Soep B
The Structure of Several Electronic States of the Hg-Ar
Complex As Determined by Laser Double-Resonance in a Supersonic Jet
JOURNAL OF CHEMICAL PHYSICS 1986, Vol 85, Iss 11, pp 6324-6334

30. Bousquet C
Absorption Profile of the 2288-A Cd Resonance Line Broadened by Pressure
Effects of Cd and Kr - Cd-Cd and Cd-Kr Interaction Potentials
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1986, Vol 19, Iss 23,
pp 3859-3879
31. Breckenridge WH Nikolai WL Oba D
Chemical and Physical Exit Channels in the Quenching of
CD(5S5P 1-Rho-1) by Several Molecules
JOURNAL OF PHYSICAL CHEMISTRY
1986, Vol 90, Iss 22, pp 5724-5726
32. Harima H Ihara T Tachibana K Urano Y
Potential Calculation for Alkaline-Earth-Metal-Ion Rare-
Gas-Atom Pairs and Its Application to Line-Core Analysis
PHYSICAL REVIEW A-GENERAL PHYSICS
1986, Vol 34, Iss 4, pp 2911-2919
33. Fuke K Kaya K Nonose S
Electronic-Spectrum of Hg(3Po)-Ar Complex in a Supersonic Jet
JOURNAL OF CHEMICAL PHYSICS
1986, Vol 85, Iss 3, pp 1696-1697
34. Devdariani AZ Zagrebin AL
Transitions Between Sp-Configuration Levels of Excited
2nd-Group Atoms During Their Collision with Inert-Gas
Atoms
KHIMICHESKAYA FIZIKA
1986, Vol 5, Iss 2, pp 147-155
35. Kowalski A
CHEMICAL PHYSICS LETTERS 121: 217 1985
 - **E. Czuchaj and J. E. Sienkiewicz**
**Improved pseudopotential calculations of the adiabatic potentials and
oscillator strengths of Tl-heavy noble gas systems**
Z. Naturforsch. 439a (1984) 513-23
1. Schroer HBG Tiemann E
Quasi-Stationary Detection of Transient Absorption of a
Dissociating Molecule
ZEITSCHRIFT FUR PHYSIK D-ATOMS MOL AND CLUST 1995, Vol 35, Iss 1,
pp 19-26
2. Glownia J Misewich J Walkup R Kaschke M Sorokin P
Femtosecond Broad-Band Absorption-Spectroscopy of Photodissociating Molecules
TOPICS IN APPLIED PHYSICS 1992, Vol 70, pp 3-18
3. Walkup RE
A Local-Gaussian Approximation for the Propagation of a
Classical Distribution Function
JOURNAL OF CHEMICAL PHYSICS 1991, Vol 95, Iss 9, pp 6440-6448

4. Walkup RE Misewich JA Glowina JH Sorokin PP
Classical-Model of Femtosecond Time-Resolved Absorption-Spectra of Dissociating Molecules
JOURNAL OF CHEMICAL PHYSICS 1991, Vol 94, Iss 5, pp 3389-3406
5. Walkup RE Misewich JA Glowina JH Sorokin PP
Time-Resolved Absorption-Spectra of Dissociating Molecules
PHYSICAL REVIEW LETTERS 1990, Vol 65, Iss 19, pp 2366-2369
6. Dygdala RS Bobkowski R Lisicki E
Broadening and Shift of the Resonance Line of Thallium
Due to Collisions with Neon and Argon Atoms
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1989, Vol 22, Iss 10,
pp 1563-1572
7. Dygdala RS
Broadening and Shift of the Resonance Line of Thallium
Due to Collisions with Krypton and Xenon Atoms
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1988, Vol 21, Iss 11,
pp 2039-2047
8. Dygdala RS Lisicki E
Pressure Effects of Krypton and Xenon on the 535 Nm Thallium Line
PHYSICA SCRIPTA 1988, Vol 37, Iss 1, pp 38-41
9. Vonborstel-M Hermann G Lasnitschka G
Broadening and Shift of Thallium Np $1/2,3/2$ States (N=6-10) Perturbed by Noble-Gases
ZEITSCHRIFT FUR PHYSIK D-ATOMS MOL AND CLUST 1988, Vol 9, Iss 1,
pp 15-25
10. Dygdala RS Lisicki E Szudy J
Broadening and Shift of the 8P $2P_{1/2,3/2}$ -7S $2S_{1/2}$ Thallium
Spectral-Lines Perturbed by Neon and Argon
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1987, Vol 20, Iss 13,
pp 3001-3010
11. Dygdala RS Bobkowski R Lisicki E Szudy J
Pressure Effects of Neon and Argon on the 535-Nm Thallium Line
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A
JOURNAL OF PHYSICAL SCIENCES 1987, Vol 42, Iss 6, pp 559-564
12. Penkin NP Kryukov NA Redko TP
Diffusion-Coefficients of Normal and Excited Thallium Atoms in Inert-Gases
OPTIKA I SPEKTROSKOPIYA 1986, Vol 60, Iss 1, pp 30-34

• **J. E. Sienkiewicz and W. E. Baylis**

A relativistic approach to the elastic scattering of electrons by argon

J. Phys. B 20 (1987) 5145-56

1. Varella MTD, Bettega MHF, Lima MAP, et al.
Low-energy electron scattering by H₂O, H₂S, H₂Se, and H₂Te
J CHEM PHYS 111: (14) 6396-6406 OCT 8 1999

2. Feret L, Pascale J
Configuration-interaction Hartree-Fock calculations for two-electron atoms using a pseudopotential
PHYS REV A 58: (5) 3585-3596 NOV 1998
3. Shi QC, Cho H, Xu KZ
An accurate approach for high partial-wave phase shifts in electron elastic scattering from closed-subshell atoms
J PHYS B-AT MOL OPT 31: (10) 2343-2354 MAY 28 1998
4. Panajotovic R, Filipovic D, Marinkovic B, et al.
Critical minima in elastic electron scattering by argon
J PHYS B-AT MOL OPT 30: (24) 5877-5894 DEC 28 1997
5. McEachran RP, Stauffer AD
Relativistic effects in low-energy electron-argon scattering
AUST J PHYS 50: (3) 511-524 1997
6. Szmytkowski R
Analytical independent-particle model for electron scattering by argon at low energy - Comment
FEW-BODY SYST 20: (3-4) 175-180 1996
7. Gibson JC Gulley RJ Sullivan JP et al.
Elastic electron scattering from argon at low incident energies
J PHYS B-AT MOL OPT 29: (14) 3177-3195 JUL 28 1996
8. Nakajima T, Chang TN
Fine structure and transition probabilities of the $2p(5)nl$ bound excited states of Ne atom
Z PHYS D ATOM MOL CL 36: (1) 41-46 JAN 1996
9. Yuan J
Relativistic Effects in Low-Energy Spin-Dependent Electron Collisions with Rare-Gas Atoms
ZEITSCHRIFT FUR PHYSIK D-ATOMS MOLECULES AND CLUSTERS 1995, Vol 35, Iss 1, pp 3-13
10. Gianturco FA Tang KT Toennies JP Defazio D Rodriguezruiz-JA
A Semiclassical Model of Polarization Forces in Atomic Scattering .2. Electron Collisions with Neon and Argon
ZEITSCHRIFT FUR PHYSIK D-ATOMS MOLECULES AND CLUSTERS 1995, Vol 33, Iss 1, pp 27-37
11. Mimmagh DJR Mceachran RP Stauffer AD
Elastic Electron-Scattering from the Noble-Gases Including Dynamic Distortion
JOURNAL OF PHYSICS B-ATOM MOL AND OPT PHYS 1993, Vol 26, Iss 11, pp 1727-1741
12. Szmytkowki R
The Elastic Positron Scattering from Mercury in the Relativistic Polarized Orbital Method
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1993, Vol 26, Iss 3, pp 535-545

13. Dube D Tremblay D Roy D
Analysis of the 1st Feshbach Resonances in Electron
Collisions in Rare-Gases
PHYSICAL REVIEW A 1993, Vol 47, Iss 4, pp 2893-2903
14. Nahar SN Wadehra JM
Relativistic Approach for E+/- Scattering from Argon
PHYSICAL REVIEW A 1991, Vol 43, Iss 3, pp 1275-1289
15. Karim KR Jain A
Elastic-Scattering of Electrons from Argon Atoms at 0.001-300Ev
PHYSICA SCRIPTA 1989, Vol 39, Iss 2, pp 238-242
16. Plenkiewicz B Plenkiewicz P Jaygerin JP
Pseudopotential Calculations for Elastic-Scattering of
Slow-Electrons (0-20Ev) from Noble-Gases .1. Argon
PHYSICAL REVIEW A-GENERAL PHYSICS 1988, Vol 38, Iss 9, pp 4460-4469

• **E. Czuchaj, J. E. Sienkiewicz and W. Miklaszewski**
Non-local pseudopotentials for electron-rare gas atom interaction
Chem. Phys. 116 (1987) 69-78

1. Kumar A, Saha BC, Khan AA, et al.
Depopulation of low-Rydberg Na atom in collisions with rare gases:
A molecular-state treatment
INT J QUANTUM CHEM 73: (3) 307-316 1999
2. Devdariani AZ, Zagrebin AL, Lednev MG
Interaction of excited mercury atoms with rare gas atoms and
a hydrogen molecule
CHEM PHYS REP+ 17: (6) 1107-1124 1998
3. Zagrebin AL, Lednev MG
Radiative decay of the Hg(6(3)P(2)) metastable state in rare gases
OPT SPEKTROSK+ 79: (6) 912-918 DEC 1995
4. Szmytkowski R
Analytical calculations of scattering lengths in atomic physics
J PHYS A-MATH GEN 28: (24) 7333-7345 DEC 21 1995
5. Zagrebin AL Lednev MG
Semiempirical Probabilities of Radiative Quasi-Molecular
Transitions Hg(6P-3(1,2))+x(S-1(0))-)Hg(6S-1(0))+x(S-
1(0))+h-Omega - X=he, Ne, Ar, Kr, Xe
OPTIKA I SPEKTROSKOPIYA 1995, Vol 78, Iss 5, pp 758-769
6. Zagrebin-AL Lednev MG
Semiempirical Potentials of the Excimers Formed by
Metastable Hg(6(3)P(0.2)) Atom and Inert-Gas Atoms
OPTIKA I SPEKTROSKOPIYA 1995, Vol 78, Iss 2, pp 183-192

7. Mimmagh-DJR Mceachran RP Stauffer AD
Elastic Electron-Scattering from the Noble-Gases Including Dynamic Distortion
JOURNAL OF PHYS B-ATOM MOL AND OPT PHYS 1993, Vol 26, Iss 11, pp 1727-1741
 8. Dube-D Tremblay D Roy D
Analysis of the 1st Feshbach Resonances in Electron Collisions in Rare-Gases
PHYSICAL REVIEW A 1993, Vol 47, Iss 4, pp 2893-2903
 9. Zagrebin AL Lednev MG Tserkovnyi SI
Potentials of Hg(6(1),P-3),Hg(7(1),S-3)-He,Ne Interactions - Radiative
Decay of Metastable State of Hg(6(3)P-2) and Depolarization of Excited Hg(6(1),P-
3(J) Atoms During Collisions with He and Ne Atoms
OPTIKA I SPEKTROSKOPIYA 1993, Vol 74, Iss 1, pp 24-40
- **J. E. Sienkiewicz and W. E. Baylis**
The polarisation of electrons elastically scattered from argon
J. Phys. B 21 (1988) 885-94
1. Khare SP Raj D
The Spin Polarization of Electrons Elastically Scattered by Argon Atoms
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1993, Vol 26, Iss 24,
pp 4807-4814
 2. Nahar SN Wadehra JM
Relativistic Approach for E+/- Scattering from Argon
PHYSICAL REVIEW A 1991, Vol 43, Iss 3, pp 1275-1289
- **J. E. Sienkiewicz and W. E. Baylis**
Low-energy scattering of positrons on argon
Phys. Rev. A 40 (1989) 3662-8
1. Reid DD, Wadehra JM
A quasifree model for the absorption effects in positron scattering by atoms
J PHYS B-AT MOL OPT 29: (4) L127-L133 FEB 28 1996
 2. Reid DD Wadehra JM
Low-Energy Differential Scattering of Electrons and
Positrons from Noble-Gases
PHYSICAL REVIEW A 1994, Vol 50, Iss 6, pp 4859-4867
- **J. E. Sienkiewicz and W. E. Baylis**
Low energy elastic scattering e-Xe: the effect of exchange
in the polarisation potential
J. Phys. B 22 (1989) 3733-45

1. Zubek M, Mielewska B, Channing J, et al.
A study of resonance structures in elastic electron scattering from helium, neon, argon, krypton and xenon over the angular range from 100 degrees to 180 degrees
J PHYS B-AT MOL OPT 32: (5) 1351-1363 MAR 14 1999
2. Zigman V
The viscosity cross-section for elastic electron-xenon collisions including electron spin polarization
EUR PHYS J D 7: (1) 11-16 AUG 1999
3. Zubek M Danjo A King GC
Differential Cross-Sections for Elastic Electron-Scattering by Mercury in the Energy-Range 9 to 25 eV
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1995, Vol 28, Iss 18, pp 4117-4127
4. Zigman VJ
Contribution of Higher-Order Phaseshifts in the Evaluation of Total Elastic and Higher-Order Cross-Sections
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1995, Vol 28, Iss 7, pp L239-L246
5. Reid-DD Wadehra-JM
Low-Energy Differential Scattering of Electrons and Positrons from Noble-Gases
PHYSICAL REVIEW A 1994, Vol 50, Iss 6, pp 4859-4867
6. Johnson WR Guet-C
Elastic Scattering of Electrons from Xe, Cs⁺, and Ba²⁺
PHYSICAL REVIEW A 1994, Vol 49, Iss 2, pp 1041-1048
7. Johnson WR, Guet C
Elastic scattering of electrons from Xe, Cs⁺ and Ba²⁺
PHYS REV A 49: (2) 1041-1048 FEB 1994
8. Yuan JM Zhang ZJ
Relativistic Effects and Spin Polarization on the Low-Energy Shape Resonances of Electron-Scattering with Magnesium, Zinc and Cadmium Atoms
PHYSICS LETTERS A 1991, Vol 160, Iss 1, pp 81-84

- **J. E. Sienkiewicz**

Spin polarisation and differential cross sections in elastic low-energy scattering of electrons from mercury

J. Phys. B 23 (1990) 1869-78

1. Feng RF, Ji Q, Zhu LF, et al.
Electron-impact studies for dipole oscillator strengths and elastic electron-scattering differential cross sections of mercury vapour
J PHYS B-AT MOL OPT 33: (7) 1357-1367 APR 14 2000

2. Patil SH
Extrapolated model potential for low-energy scattering of electrons from inert gas atoms, and Be, Mg, Zn, Cd, Hg
PHYS SCRIPTA 54: (5) 471-482 NOV 1996
 3. Zubek M Danjo A King GC
Differential Cross-Sections for Elastic Electron-Scattering by Mercury in the Energy-Range 9 to 25 eV
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1995, Vol 28, Iss 18, pp 4117-4127
 4. Panajotovic R Pejcev V Konstantinovic M Filipovic D
Bocvarski V Marinkovic B
Elastic and Inelastic Electron-Scattering by Mercury
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1993, Vol 26, Iss 5, pp 1005-1024
- **J. E. Sienkiewicz**
Spin polarisation of electrons elastically scattered from lead
Phys. Lett. A 143 (1990) 244-6
1. Geesmann H, Bartsch M, Hanne GF, Kessler J
Left-right asymmetry for scattering of polarized electrons from thallium and lead atoms
J PHYS B-AT MOL OPT 24: 2817-2831 1991
- **J. E. Sienkiewicz and W. E. Baylis**
The polarisation of electrons elastically scattered from xenon
J. Phys. B 24 (1991) 265-274
1. Dorn A, Elliott A, Lower J, et al.
The elastic scattering of spin-polarized electrons from xenon
J PHYS B-AT MOL OPT 31: (3) 547-561 FEB 14 1998
 2. Zigman VJ
Contribution of Higher-Order Phaseshifts in the Evaluation of Total Elastic and Higher-Order Cross-Sections
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1995, Vol 28, Iss 7, pp L239-L246
 3. Muller H, Kessler J
Cross-check of Sherman-function measurements for xenon using two independent methods
J PHYS B-AT MOL OPT 27: 5893-5901 1994
 4. Kuzel M Dubois RD Maier R Heil O
Jakubassaamundsen-DH Lucas-MW Groeneveld-KO
Elastic-Scattering of Quasi-Free Electrons in Strongly Asymmetric Collisions
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1994, Vol 27, Iss 10, pp 1993-2008

5. Yuan JM Zhang ZJ
Spin Polarization of Electrons Elastically Scattered
from Barium Atoms
PHYSICS LETTERS A 1992, Vol 168, Iss 4, pp 291-295
- **J. E. Sienkiewicz and W. E. Baylis**
Elastic scattering of positrons on mercury: a negative-energy Dirac-Fock treatment
Phys. Rev. A 43 (1991) 1331-5
1. McEachran R
in Handbook of Atomic, Molecular and Optical Physics,
edited by G. W. F. Drake (AIP Press, Woodbury, NY, 1996)
 2. Szmytkowski R
The Elastic Positron Scattering from Mercury in the
Relativistic Polarized Orbital Method
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1993, Vol 26, Iss 3,
pp 535-545
- **J. E. Sienkiewicz and W. E. Baylis**
Spin polarisation of electrons elastically scattered from krypton
J. Phys. B 24 (1991) 1739-48
1. Read FH
Experimental studies of electron-atom resonances
PHYSICS ESSAYS 13: (2-3) 303-306 Sp. Iss. SI JUN-SEP 2000
 2. Zubek M, Mielewska B, Channing J, et al.
A study of resonance structures in elastic electron scattering from helium,
neon, argon, krypton and xenon over the angular range
from 100 degrees to 180 degrees
J PHYS B-AT MOL OPT 32: (5) 1351-1363 MAR 14 1999
- **J. E. Sienkiewicz and W. E. Baylis**
Differential cross sections in the elastic scattering of electrons from krypton
J. Phys. B 25 (1992) 2081-9
1. Varella MTD, Bettega MHF, Lima MAP, et al.
Low-energy electron scattering by H₂O, H₂S, H₂Se, and H₂Te
J CHEM PHYS 111: (14) 6396-6406 OCT 8 1999
 2. Cvejanovic D, Crowe A
Differential cross sections for elastic scattering of electrons from argon
and krypton as a continuous function of energy
J PHYS B-AT MOL OPT 30: (12) 2873-2887 JUN 28 1997

3. Zubek M Danjo A King GC
Differential Cross-Sections for Elastic Electron-Scattering by Mercury in the Energy-Range 9 to 25 eV
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1995, Vol 28, Iss 18, pp 4117-4127
4. Connerade JP Grant IP Marketos P Oberdisse J
Correlations and Level Statistics in Complex Spectra
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1995, Vol 28, Iss 13, pp 2539-2551
5. Gianturco FA Tang KT Toennies JP Defazio D Rodriguezruiz JA
A Semiclassical Model of Polarization Forces in Atomic Scattering .2. Electron Collisions with Neon and Argon
ZEITSCHRIFT FUR PHYSIK D-ATOMS MOL AND CLUST 1995, Vol 33, Iss 1, pp 27-37
6. Zigman VJ
Contribution of Higher Order Phaseshifts in the Evaluation of Total Elastic and Higher-Order Cross-Sections
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1995, Vol 28, Iss 7, pp L239-L246
7. Reid DD Wadehra JM
Low-Energy Differential Scattering of Electrons and Positrons from Noble-Gases
PHYSICAL REVIEW A 1994, Vol 50, Iss 6, pp 4859-4867
8. Brennan MJ Ness KF
Momentum-Transfer Cross-Section for E-Kr Scattering
AUSTRALIAN JOURNAL OF PHYSICS 1993, Vol 46, Iss 2, pp 249-260
9. Mimmagh DJR McEachran RP Stauffer AD
Elastic Electron-Scattering from the Noble-Gases Including Dynamic Distortion
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1993, Vol 26, Iss 11, pp 1727-1741

- **R. Szmytkowski and J. E. Sienkiewicz**
Spin polarization of slow electrons elastically scattered from xenon atoms
J. Phys. B 27 (1994) 2277-2282

1. Neerja Tripathi AN
Spin polarization of electrons elastically scattered from europium and bismuth atoms
EUROPEAN PHYSICAL JOURNAL D 13: (1) 5-10 JAN 2001
2. Neerja Tripathi AN Jain AK
Spin polarization and cross sections in elastic scattering of electrons from Yb, Rn, and Ra atoms - art. no. 032713
PHYS REV A 61: (3) 2713-+ MAR 2000
3. Dorn A Elliott A Lower J et al.
The elastic scattering of spin-polarized electrons from xenon
J PHYS B-AT MOL OPT 31: (3) 547-561 FEB 14 1998

4. Jain AK Tripathi AN
Spin polarization parameters and cross section for electrons colliding with silane molecules
PHYS LETT A 231: (3-4) 224-230 JUL 7 1997
5. Zigman VJ
Contribution of Higher-Order Phaseshifts in the Evaluation of Total Elastic and Higher-Order Cross-Sections
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1995, Vol 28, Iss 7, pp L239-L246
6. Dummler M Hanne GF Kessler J
Left-Right Asymmetries in Elastic and Inelastic-Scattering of Polarized Electrons from Argon, Krypton and Xenon Atoms
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1995, Vol 28, Iss 14, pp 2985-3001
7. Yuan J
Relativistic Effects in Low-Energy Spin-Dependent Electron Collisions with Rare-Gas Atoms
ZEITSCHRIFT FUR PHYSIK D-ATOMS MOL AND CLUST 1995, Vol 35, Iss 1, pp 3-13
8. Kumar P Jain AK Tripathi AN
Spin Polarization and Cross-Sections of Electrons Elastically Scattered from Germane Molecules
JOURNAL OF PHYSICS B-ATOMIC MOL AND OPT PHYS 1995, Vol 28, Iss 11, pp L387-L392

• **R. Szmytkowski and J. E. Sienkiewicz**
Elastic scattering of electrons by strontium and barium atoms
Phys. Rev. A 50 (1994) 4007-4010

1. Neerja Tripathi AN
Spin polarization of electrons elastically scattered from europium and bismuth atoms
EUROPEAN PHYSICAL JOURNAL D 13: (1) 5-10 JAN 2001
2. Miloshevsky GV Tolkach VI Rozin S et al.
Elastic scattering of electrons by gadolinium and barium atoms
NUCL INSTRUM METH B 168: (4) 467-472 AUG 2000
3. Yuan JM
Core-valence electron correlation effects in photodetachment of Ca^- ions - art. no. 012704
PHYS REV A 61: (1) 2704-+ JAN 2000
4. Neerja Tripathi AN Jain AK
Spin polarization and cross sections in elastic scattering of electrons from Yb, Rn, and Ra atoms - art. no. 032713
PHYS REV A 61: (3) 2713-+ MAR 2000

5. Fursa DV Trajmar S Bray I et al.
Integral cross sections for electron scattering by ground-state Ba atoms
PHYS REV A 60: (6) 4590-4599 DEC 1999
6. Fursa DV Bray I
Calculation of electron scattering from the ground state of barium
PHYS REV A 59: (1) 282-294 JAN 1999
7. Dapor M Miotello A
Slow electrons impinging on dielectric solids .1. Basic aspects
PHYS REV B 56: (4) 2234-2240 JUL 15 1997
8. Zecca A Karwasz GP Brusa RS
One century of experiments on electron-atom and molecule scattering:
A critical review of integral cross-sections .1. Atoms and diatomic molecules
RIV NUOVO CIMENTO 19: (3) 1-146 1996

- **J. E. Sienkiewicz, S. Fritzsche and I. P. Grant**
Relativistic configuration-interaction approach to the elastic low-energy scattering of electrons from atoms
J. Phys. B 28 (1995) L633-L636

1. Chernysheva LV Yakhontov VL
Two-program package to calculate the ground and excited state wave functions in the Hartree-Fock-Dirac approximation
COMPUT PHYS COMMUN 119: (2-3) 232-255 JUN 1999
2. Fritzsche S Fischer CF
REOS - A program for relaxed-orbital oscillator strength calculations
COMPUT PHYS COMMUN 99: (2-3) 323-334 JAN 1997
3. Dzuba VA Flambaum VV Kozlov MG
Combination of the many-body perturbation theory with the configuration-interaction method
PHYS REV A 54: (5) 3948-3959 NOV 1996

- **J. E. Sienkiewicz and W. E. Baylis**
Relativistic multiconfigurational approach to spin polarization of slow-electrons elastically scattered from krypton
Phys. Rev. A 55 (1997) 1108-1112

1. Neerja Tripathi AN
Spin polarization of electrons elastically scattered from europium and bismuth atoms
EUROPEAN PHYSICAL JOURNAL D 13: (1) 5-10 JAN 2001
2. Neerja Tripathi AN Jain AK
Spin polarization and cross sections in elastic scattering of electrons from Yb, Rn, and Ra atoms - art. no. 032713
PHYS REV A 61: (3) 2713-+ MAR 2000

- **J. E. Sienkiewicz**
Differential cross sections for elastic scattering of electrons by mercury
J. Phys. B 30 (1997) 1261-1267

- 1. Feng RF Ji Q Zhu LF et al.
 Electron-impact studies for dipole oscillator strengths and elastic
 electron-scattering differential cross sections of mercury vapour
 J PHYS B-AT MOL OPT 33: (7) 1357-1367 APR 14 2000
- 2. Shi QC Cho H Xu KZ
 An accurate approach for high partial-wave phase shifts in electron elastic
 scattering from closed-subshell atoms
 J PHYS B-AT MOL OPT 31: (10) 2343-2354 MAY 28 1998

- **S. Fritzsche, F. Koike, J. E. Sienkiewicz and N. Vaeck**
Calculation of relativistic atomic transition and ionization properties
for highly-charged ions
Phys. Scr. T80 (1999) 479-81

- 1. Fritzsche S Dong CZ Trabert E
 Energy levels, lifetimes and branch fractions for Fe xi
 MON NOT R ASTRON SOC 318: (1) 263-272 OCT 2000

- **S. Fritzsche, B. Fricke, D. Geschke, A. Heitmann and J. E. Sienkiewicz**
Forbidden transitions in the ground-state configuration of low-Z
phosphorus-like ions
Astrophys. J. 518 (1999) 994-1001

- 1. Fritzsche S Dong CZ Gaigalas G
 Theoretical wavelengths and transition probabilities for the 3d(9)-3d(8)4p
 and 3d(8)4s-3d(8)4p transition arrays in NiII
 ATOM DATA NUCL DATA 76: (1) 155-175 SEP 2000
- 2. Fritzsche S Fischer CF Dong CZ
 REOS99: A revised program for transition probability calculations including
 relativistic, correlation, and relaxation effects
 COMPUT PHYS COMMUN 124: (2-3) 340-352 FEB 2000
- 3. Fritzsche S Anton J
 CESD99 - A new version to represent atomic wave functions in a determinant
 basis
 COMPUT PHYS COMMUN 124: (2-3) 353-355 FEB 2000

- **P. Horodecki, J. Kwela and J. E. Sienkiewicz**
Stark-mixing effect on the $6p^2\ ^1S_0-6p^2\ ^3P_2$ transition in PbI
Eur. Phys. J. D6 (1999) 435-440

1. Vadla C Horvatic V Niemax K
Oscillator strength of the strongly “forbidden” Pb 6p(2)P-3(0) – (6)p(2)P-3(1) transition at 1278.9 nm
EUROPEAN PHYSICAL JOURNAL D 14: (1) 23-25 APR 2001
 2. Vadla C Movre M Beuc R et al.
Optimization of lead metastable production in a low pressure argon discharge
SPECTROCHIM ACTA B 55: (11) 1759-1769 NOV 1 2000
- **J. E. Sienkiewicz and E. Czuchaj**
Pressure broadening and pressure shift of the intercombination line of cadmium $\gamma = 3261 \text{ \AA}$ perturbed by argon in Spectral Line Shapes vol.3 ed. F.Rostas (1985) p. 669
1. Brym S Ciurylo R Lisicki E et al.
Pressure broadening and shift of the 326.1 nm Cd line perturbed by argon
PHYS SCRIPTA 53: (5) 541-544 MAY 1996
- **J.E. Sienkiewicz and W.E. Baylis**
Bull. Am. Phys. Soc. 36 (1991) 1370
1. Supronowicz J Hegazi E Atkinson JB Krause L
Fluorescence and excitation spectra of the D0⁺, E1, and G1 states of the HgZn exciplex
CHEM PHYS LETT 222: 149-155 MAY 1994
 2. Supronowicz J Hegazi E Atkinson JB Krause L
Laser spectroscopy of some high-lying HgZn spin-orbit states
CHEM PHYS LETT 218: 240-245 FEB 1994
- **J. E. Sienkiewicz**
PhD Thesis
University of Gdańsk 1984
1. Koperski J Kielbasa SM Czajkowski M
Interatomic potentials of cadmium-argon B1((3) Σ (+)) and X0⁺((1) Σ (+)) states based on near-dissociation expansion and ‘hot’ bands observed in the B1 – X0⁺ excitation spectrum
SPECTROCHIM ACTA A 56: (8) 1613-1626 JUL 2000
 2. Helmi MS Grycuk T Roston GD
Interaction potentials of Cd-Xe from temperature dependent absorption spectra
CHEM PHYS 209: (1) 53-60 SEP 1 1996
- **“private communications”**
1. Supronowicz J Petro D Atkinson JB Krause L
Laser spectroscopy of the HgCd exciplex
PHYS REV A 50: (3) 2161-2173 SEP 1994

2. Kedzierski W Atkinson JB Krause L
The $3\Sigma_g^+(4^3P, 4^3P) - 3\Sigma_u^+(4^3P, 4^1S)$ vibronic spectrum of Zn_2
CHEM PHYS LETT 222: (5) 146-148 MAY 1994
3. Kedzierski W Atkinson JB Krause L
Laser-induced fluorescence from the $3\Pi_u(4^3P, 4^3P)$ state of Zn_2
CHEM PHYS LETT 215: (1, 2, 3) 185-187 NOV 1993
4. Kedzierski W Atkinson JB Krause L
Laser-induced fluorescence from the $3\Pi_u(4^3D)$ state of Zn_2
CHEM PHYS LETT 181: (5) 427-430 JUL 1991