

Bibliography from ADS file: seaton.bib
 September 14, 2022

- Mendoza, C., González, J., Seaton, M. J., et al., “*OPserver: opacities and radiative accelerations on demand*”, 2009RMxAC..35..292M [ADS](#)
- Seaton, M. J., “*Updated Opacity Project radiative accelerations*”, 2007MNRAS.382..245S [ADS](#)
- Mendoza, C., Seaton, M. J., Buerger, P., et al., “*OPserver: interactive online computations of opacities and radiative accelerations*”, 2007MNRAS.378.1031M [ADS](#)
- Seaton, M. J., “*Opacity Project data on CD for mean opacities and radiative accelerations*”, 2005MNRAS.362L..1S [ADS](#)
- Badnell, N. R., Bautista, M. A., Butler, K., et al., “*Updated opacities from the Opacity Project*”, 2005MNRAS.360..458B [ADS](#)
- Badnell, N. R., Seaton, M. J., & Summers, H. P., “*Dielectronic Recombination, Photoionization and Opacities*”, 2005AIPC..774..305B [ADS](#)
- Badnell, N. R., Seaton, M. J., Bautista, M. A., et al., “*Up-dated Opacities from the Opacity Project.*”, 2004AAS...205.5214B [ADS](#)
- Seaton, M. J. & Badnell, N. R., “*A comparison of Rosseland-mean opacities from OP and OPAL*”, 2004MNRAS.354..457S [ADS](#)
- Badnell, N. R. & Seaton, M. J., “*On the importance of inner-shell transitions for opacity calculations*”, 2003JPhB..36.4367B [ADS](#)
- Palmeri, P., Mendoza, C., Seaton, M. J., et al., “*Tiptopbase*”, 2003IAUJD..17E..28P [ADS](#)
- Mendoza, C., Seaton, M., Nahar, S., et al., “*Tiptopbase: the Iron Project and the Opacity Project Atomic Database*”, 2002APS..DMP.J6054M [ADS](#)
- Seaton, M. J., Yan, Y., Mihalas, D., & Pradhan, A. K., “*VizieR Online Data Catalog: Radiative forces for stellar envelopes (Seaton, 1997)*”, 2000yCat.6089..0S [ADS](#)
- Seaton, M. J., “*Diffusion of iron-group elements in the envelopes of HgMn stars*”, 1999MNRAS.307.1008S [ADS](#)
- Seaton, M. J., “*Photoionization from excited states of NeI*”, 1998MNRAS.300L..1S [ADS](#)
- Seaton, M. J., “*Diffusion in Stellar Envelopes*”, 1998HiA....11..664S [ADS](#)
- Seaton, M. J., Yan, Y., Mihalas, D., & Pradhan, A. K., “*VizieR Online Data Catalog: Opacities from the Opacity Project (Seaton+, 1995)*”, 1997yCat.6080..0S [ADS](#)
- Seaton, M. J., “*Radiative accelerations in stellar envelopes*”, 1997MNRAS.289..700S [ADS](#)
- Seaton, M., “*Albrecht Unsöld, 20 April 1905 - 23 September 1995*”, 1997A&G....38..37S [ADS](#)
- Seaton, M. J., “*Diffusion in Stellar Envelopes*”, 1997IAUJD..16E.104S [ADS](#)
- Seaton, M., “*The Opacity Project*”, 19960bs..116..177S [ADS](#)
- Seaton, M. J., “*Sir David Robert Bates (18 November 1916 - 1994)*”, 1996QJRAS..37..81S [ADS](#)
- Seaton, M. J., “*Interpolations of Rosseland-mean opacities for variable X and Z*”, 1996MNRAS.279..95S [ADS](#)
- Seaton, M. J., “*Levitation*”, 1996Ap&SS.237..107S [ADS](#)
- Seaton, M. J., “*Atomic data for the calculation of radiative accelerations and diffusion of Mn in HgMn stars.*”, 1996PhST...65..129S [ADS](#)
- Seaton, M. J.: 1995a, *The opacity project* 1995oppr.book.....S [ADS](#)
- Seaton, M. J., “*New atomic data for astronomy: an introductory review*”, 1995HiA....10..570S [ADS](#)
- Seaton, M. J., “*New Atomic Data for Astronomy: an Introductory Review*”, 1995ASPC...78..1S [ADS](#)
- Seaton, M. J., “*The Opacity Project.*”, 1995AIPC..322..117S [ADS](#)
- Seaton, M. J., Yan, Y., Mihalas, D., & Pradhan, A. K., “*Opacities for stellar envelopes*”, 1994MNRAS.266..805S [ADS](#)
- Seaton, M. J., “*Atomic Opacities*”, in U. G. Jorgensen (Ed.), IAU Colloq. 146: Molecules in the Stellar Environment, Vol. 428, 265 1994LNP...428..265S [ADS](#)
- Pamyatnykh, A. A., Dziembowski, W. A., Moskalik, P., & Seaton, M. J., “*OP versus OPAL opacities: consequences for B star oscillations*”, 1994IAUS..162..70P [ADS](#)
- Seaton, M. J., “*Fitting and smoothing of opacity data*”, 1993MNRAS.265L..25S [ADS](#)
- Seaton, M. J., “*The Opacity Project*”, 1993npfsp.conf..231S [ADS](#)
- Seaton, M. J., “*Radiative opacities.*”, 1993ASPC...40..222S [ADS](#)
- Seaton, M. J., Mihalas, D., & Yan, Y., “*The International Opacity Project*”, 1992AAS..180.2203S [ADS](#)
- Seaton, M. J., “*The Opacity Project - a Post-Script*”, 1992RMxAA..23..180S [ADS](#)
- Seaton, M. J., Zeippen, C. J., Tully, J. A., et al., “*The Opacity Project - Computation of Atomic Data*”, 1992RMxAA..23..19S [ADS](#)
- Seaton, M. J., “*Stellar Envelope Opacities*”, 1990BAAS...22Q.844S [ADS](#)
- Seaton, M. J., “*Mass production of accurate atomic data*”, 1990asos.conf..120S [ADS](#)
- Burke, V. M., Lennon, D. J., & Seaton, M. J., “*Excitation of O III by electron collisions and photoionization of O II*”, 1989MNRAS.236..353B [ADS](#)
- Dalgarno, A., Layzer, D., & Seaton, M. J., “*Book-Review - Spectroscopy of Astrophysical Plasmas*”, 19880bs...108..247D [ADS](#)
- Seaton, M. J., “*Atomic data for opacity calculations. I. General description*”, 1987JPhB...20.6363S [ADS](#)
- Snijders, M. A. J., Batt, T. J., Roche, P. F., et al., “*Nova Aquilae 1982.*”, 1987MNRAS.228..329S [ADS](#)
- Seaton, M. J., “*Atomic data required for opacity calculations*”, 1987s1s..conf..583S [ADS](#)
- Seaton, M. J., “*Photo-ionisation of Atomic Oxygen*”, 1987ramp.conf..29S [ADS](#)
- Morton, D. C., Snijders, M. A. J., Batt, T. J., et al., “*Nova Aquilae 1982*”, 1986BAAS...18..918M [ADS](#)
- Aller, L. H. & Seaton, M. J., “*Book-Review - Physics of Gaseous Nebulae*”, 19860bs...106..78A [ADS](#)
- Seaton, M. J., “*Atomic data for astrophysics*”, 1986lect.conf....1S [ADS](#)
- Bayes, F. A., Sarah, H. E., & Seaton, M. J., “*Collision Strength for the NeII Line at 12.8-MICRONS*”, 1985MNRAS.215P..85B [ADS](#)
- Seaton, M. J., “*Atomic processes in astronomy.*”, 1985EN.....16..12S [ADS](#)
- Seaton, M. J., “*Obituary - Massey, Sir-Harrie*”, 1984QJRAS..25..530S [ADS](#)
- Snijders, M. A. J., Batt, T. J., Seaton, M. J., Blades, J. C., & Morton, D. C., “*Nova Aquilae 1982 - a short report.*”, 1984MNRAS.211P..7S [ADS](#)
- Adams, S., Seaton, M. J., Howarth, I. D., Auriere, M., & Walsh, J. R., “*K 648, the planetary nebula in the globular cluster M 15.*”, 1984MNRAS.207..471A [ADS](#)
- Seaton, M. J., “*UV Spectra of Nebulae and Novae (invited Paper, Short Abstract)*”, 1984uxsa.coll...67S [ADS](#)
- Auriere, M., Adams, S., & Seaton, M. J., “*Ultraviolet and optical observations of two stars belonging to the blue horizontal branch of the globular cluster M 15.*”, 1983MNRAS.205..571A [ADS](#)
- Clegg, R. E. S., Seaton, M. J., Peimbert, M., & Torres-Peimbert, S., “*Analysis of nebulosity in the planetary nebula NGC 40.*”, 1983MNRAS.205..417C [ADS](#)
- Seaton, M. J., “*REVIEW ARTICLE: Quantum defect theory*”, 1983RPPh...46..167S [ADS](#)
- Seaton, M. J.: 1983b, *Lines From Nebular Envelopes of Importance for Spectroscopic Diagnostic and Abundance Determinations*, IUE Proposal ID FA082 1983iue..prop.1631S [ADS](#)
- Penn, C. J., Flower, D. R., Barlow, M. J., Seaton, M. J., & Aller, L. H., “*Why is IC 4642 of such high-excitation class ?*”, 1983IAUS..103..539P [ADS](#)
- Barlow, M. J., Adams, S., Seaton, M. J., Willis, A. J., & Walker, A. R., “*Nebular Abundances and Central Star Parameters for Eight Planetary Nebulae in the Magellanic Clouds*”, 1983IAUS..103..538B [ADS](#)
- Clegg, R. E. S. & Seaton, M. J., “*Ultraviolet Spectrophotometry of Some Hotter Central Stars*”, 1983IAUS..103..536C [ADS](#)
- Peimbert, M., Torres-Peimbert, S., Clegg, R. E. S., & Seaton, M. J., “*Optical and UV nebular spectra of NGC 40.*”, 1983IAUS..103..521P [ADS](#)
- Seaton, M. J., “*Some recent results from UV observations.*”, 1983IAUS..103..129S [ADS](#)
- Flower, D. R., Penn, C. J., & Seaton, M. J., “*Ultraviolet spectra of planetary nebulae. IX. High-dispersion observations of NGC 7662.*”, 1982MNRAS.201P..39F [ADS](#)
- Adams, S. & Seaton, M. J., “*Ultraviolet spectra of planetary nebulae. VII. The abundance of carbon in the very low excitation nebula HE 2-131.*”, 1982MNRAS.200P..7A [ADS](#)
- Snijders, M. A. J., Seaton, M. J., & Blades, J. C., “*Ultraviolet observations of Nova Aquila 1982.*”, 1982ESASP.176..177S [ADS](#)
- Harrington, J. P., Seaton, M. J., Adams, S., & Lutz, J. H., “*Ultraviolet spectra of planetary nebulae. 6 NGC 7662.*”, 1982MNRAS.199..517H [ADS](#)
- Seaton, M. J., “*Presidential Address - Atoms Astronomy and Aeronomy*”, 1982QJRAS..23..2S [ADS](#)
- Seaton, M. J., “*Address of President Wolfendale on the Work of Thackeray, A.D. 1981JUL10*”, 1982QJRAS..23..1S [ADS](#)
- Argyle, R., Rosino, L., Iijima, T., et al., “*Nova Aquilae 1982*”, 1982IAUC.3673..2A [ADS](#)
- Seaton, M. J.: 1982, *Planetary Nebulae and Their Central Stars*, IUE Proposal ID EA254 1982iue..prop.1343S [ADS](#)
- Snijders, M. A. J., Seaton, M. J., & Blades, J. C., “*Ultraviolet observations of Nova Aquilae 1982.*”, 1982NASCP2238..625S [ADS](#)
- Clavel, J., Flower, D. R., & Seaton, M. J., “*Ultraviolet spectra of planetary nebulae - the C II 1335 dielectronic recombination lines in IC 418.*”, 1981MNRAS.197..301C [ADS](#)
- Stickland, D. J., Penn, C. J., Seaton, M. J., Snijders, M. A. J., & Storey, P. J., “*Nova Cygni 1978 - I. The nebular phase.*”, 1981MNRAS.197..107S [ADS](#)

- Harrington, J. P., Lutz, J. H., & Seaton, M. J., "Ultraviolet spectra of planetary nebulae. IV. The CIII 2297 dielectronic recombination line and dust absorption in the CIV 1549 resonance doublet.", 1981MNRAS.195P..21H [ADS](#)
- Seaton, M. J., "Address of the President on the Presentation of the Gold Medal to Lovell, Sir-Bernard on 1981FEB13", 1981QJRAS..22..225S [ADS](#)
- Seaton, M. J., "Gold Medal Awarded to Knopoff, Leon - 1980SEP5", 1981QJRAS..22..1S [ADS](#)
- Castor, J. I., Lutz, J. H., & Seaton, M. J., "Ultraviolet spectra of planetary nebulae. III. Mass loss from the central star of NGC 6543.", 1981MNRAS.194..547C [ADS](#)
- Seaton, M. J.: 1981, *Planetary Nebulae and Their Central Stars*, IUE Proposal ID UK470 1981iue..prop..950S [ADS](#)
- Adams, S., Penn, C. J., & Seaton, M. J., "Where exactly is the planetary nebula in M 15?", 19800bs..100..209A [ADS](#)
- Saraph, H. E. & Seaton, M. J., "Oscillator strengths for O III and the Bowen fluorescent mechanism", 1980MNRAS.193..617S [ADS](#)
- Seaton, M. J., "Presidential address : spectra of gaseous nebulae.", 1980QJRAS..21..229S [ADS](#)
- Harrington, J. P., Lutz, J. H., Seaton, M. J., & Stickland, D. J., "Ultraviolet spectra of planetary nebulae. I. The abundance of carbon in IC 418.", 1980MNRAS.191..13H [ADS](#)
- Seaton, M. J., "Presidential Address on the Award of the Chapman Medal to Parker, Eugene", 1980QJRAS..21..73S [ADS](#)
- Taylor, R. J. & Seaton, M. J., "Obituary - Hume, Alan", 1980QJRAS..21..71T [ADS](#)
- Seaton, M. J.: 1980a, *Observations of Selected Planetary Nebulae*, IUE Proposal ID UK319 1980iue..prop..606S [ADS](#)
- Seaton, M. J., "Ultraviolet spectra of planetary nebulae and their central stars.", 1980HiA....5..247S [ADS](#)
- Seaton, M. J., "Theory of recombination lines", 1980ASSL...80....3S [ADS](#)
- Harrington, J. P., Lutz, J. H., Seaton, M. J., & Stickland, D. J., "Carbon abundance in IC 418.", 1979BAAS...11..628H [ADS](#)
- Harrington, J. P., Lutz, J. H., & Seaton, M. J., "IUE observations of the planetary nebula NGC 7662.", 1979JRASC..73..305H [ADS](#)
- Seaton, M. J., "Extinction of NGC 7027.", 1979MNRAS.187..785S [ADS](#)
- Lutz, J. H. & Seaton, M. J., "The [Ne IV] $^2D \rightarrow ^4S$ lines in the planetary nebula NGC 7662.", 1979MNRAS.187P..1L [ADS](#)
- Seaton, M. J.: 1979a, *Planetary Nebulae*, IUE Proposal ID UK210 1979iue..prop..380S [ADS](#)
- Seaton, M. J., "Interstellar extinction in the UV", 1979MNRAS.187P..73S [ADS](#)
- Lutz, J. H., Harrington, J. P., & Seaton, M. J., "IUE observations of the planetary nebula NGC 7662", 1979IUE1.symp..199L [ADS](#)
- Stickland, D. J., Penn, C. J., Seaton, M. J., et al., "Ultra-violet observations of Nova Cygni 1978", 1979IUE1.symp..63S [ADS](#)
- Grewing, M., Boksenberg, A., Seaton, M. J., et al., "IUE observations of the interstellar medium", 1978Natur.275..394G [ADS](#)
- Seaton, M. J., "Calculated intensities of He II recombination lines in the ultraviolet", 1978MNRAS.185P..5S [ADS](#)
- Seaton, M. J.: 1978b, *The Structure of Planetary Nebulae*, IUE Proposal ID UK008 1978iue..prop..103S [ADS](#)
- Seaton, M. J.: 1978c, *A Study of Novae and Supernovae*, IUE Proposal ID UK007 1978iue..prop..101S [ADS](#)
- Seaton, M. J., "Advances in Studies of Physical Processes", 1978IAUS...76..131S [ADS](#)
- Zeippen, C. J., Seaton, M. J., & Morton, D. C., "Some O I oscillator strengths and the interstellar abundance of oxygen.", 1977MNRAS.181..527Z [ADS](#)
- Seaton, M. J., "Applications of Quantum-Defect Theory", 1977uxsa.collE..12S [ADS](#)
- Seaton, M. J. & Storey, P. J., "Di-electronic recombination.", 1976apa..conf..133S [ADS](#)
- Seaton, M. J., "Collision strengths for [N II], [O III], [Ne II] and [Ne III].", 1975MNRAS.170..475S [ADS](#)
- Seaton, M. J., "Radio continuum spectra", in T. L. Wilson and D. Downes (Eds.), H II regions and related topics, Vol. 42, 260 1975LNP....42..260S [ADS](#)
- Seaton, M. J., "Temperatures of Gaseous Nebulae-a Decade of Depression", 1974QJRAS..15..370S [ADS](#)
- Salem, M. & Seaton, M. J., "On the interpretation of continuum flux observations from thermal radio sources-I. Continuum spectra and brightness contours", 1974MNRAS.167..493S [ADS](#)
- Tauber, G. E., Cephecha, Z., Pace, N., et al., "Book reviews", 1973SSRv...15..147T [ADS](#)
- Sage, G. & Seaton, M. J., "Thermal conduction in planetary nebulae.", 1973LIACo..18..241S [ADS](#)
- Hummer, D. G. & Seaton, M. J., "Interpretation of the spectra of planetary nebulae.", 1973LIACo..18..225H [ADS](#)
- Eissner, W. & Seaton, M. J., "Some recent calculations on excitation of [O III] lines.", 1973LIACo..18..203E [ADS](#)
- Percival, I. C. & Seaton, M. J., "Low Energy Cross Sections for Transitions between Highly Excited States of Atoms", 1972ApL....11..31P [ADS](#)
- Seaton, M. J., "University College London: Theoretical Atomic Physics and Astrophysics (Department of Physics). Report 1970 January 1 to 1971 July 31.", 1972QJRAS..13..106S [ADS](#)
- Seaton, M. J., "The Spectra of Gaseous Nebulae", 1972ama..conf..121S [ADS](#)
- Brocklehurst, M. & Seaton, M. J., "On the interpretation of radio recombination line observations", 1972MNRAS.157..179B [ADS](#)
- Brocklehurst, M. & Seaton, M. J., "Observations of radio recombination lines.", 1972CoAMP...3..113B [ADS](#)
- Peach, G. & Seaton, M. J., "Pressure broadening of radio recombination lines.", 1972CoAMP...3..107P [ADS](#)
- Brocklehurst, M. & Seaton, M. J., "The Profiles of Radio Recombination Lines", 1971ApL....9..139B [ADS](#)
- Seaton, M. J., "Abundances of helium in gaseous nebulae.", 1971heun.conf..288S [ADS](#)
- Seaton, M. J., "Atomic data of importance for ultra-violet and X-ray astronomy: A review of theory", 1971adiu.conf..503S [ADS](#)
- Seaton, M. J., "Atomic Data of Importance for Ultraviolet and X-Ray Astronomy: a Review of Theory", 1971HiA....2..503S [ADS](#)
- Seaton, M. J., "Abundances of Helium in Gaseous Nebulae", 1971HiA....2..288S [ADS](#)
- Seaton, M. J., "Recombiantion spectra of gaseous nebulae.", 1971CoAMP...3..46S [ADS](#)
- Saraph, H. E. & Seaton, M. J., "Electron densities in planetary nebulae.", 1970MNRAS.148..367S [ADS](#)
- Czyzak, S. J., Krueger, T. K., de A. P. Martins, P., Saraph, H. E., & Seaton, M. J., "Collision strengths for transitions in ions with configurations 3p3", 1970MNRAS.148..361C [ADS](#)
- Flower, D. R. & Seaton, M. J., "A program to calculate radiative recombination coefficients of hydrogenic ions", 1969CoPhC...1..31F [ADS](#)
- Saraph, H. E., Seaton, M. J., & Shemming, J., "Excitation of Forbidden Lines in Gaseous Nebulae I. Formulation and Calculations for 2p^q Ions", 1969RSPTA.264..77S [ADS](#)
- Seaton, M. J., "Low Density Astrophysics: H Regions and the Solar Corona", 1969atph.conf..501S [ADS](#)
- Seaton, M. J., "Electron collisions with positive ions.", 1969atph.conf..295S [ADS](#)
- Flower, D. R. & Seaton, M. J., "Forbidden line radiation from gaseous nebulae.", 1969MSRSL..25..251F [ADS](#)
- Seaton, M. J., "Excitation of forbidden lines by electron impact.", 1969MSRSL..25..45S [ADS](#)
- Eissner, W., de A. P. Martins, P., Nussbaumer, H., Saraph, H. E., & Seaton, M. J., "Resonances in collision strengths for excitation of [O II] and [O III]", 1969MNRAS.146..63E [ADS](#)
- Seaton, M. J., "Excitation of high Balmer lines case C of Aller, Baker and Menzel", 1969MNRAS.145..91S [ADS](#)
- Seaton, M. J., "Excitation of Forbidden Lines by Electron Impact, Introductory Report", 1969LIACo..15..45S [ADS](#)
- Saraph, H. E., Seaton, M. J., & Shemming, J., "Excitation of forbidden lines in gaseous nebulae. I. Formulation and calculations for 2p^q ions.", 1968RSPTA.264..78S [ADS](#)
- Seaton, M. J., "The excitation of spectrum lines in nebulae by resonant scattering of radiation from the central stars", 1968MNRAS.139..129S [ADS](#)
- Czyzak, S. J., Krueger, T. K., de A. P. Martins, P., et al., "Collision Strengths for Excitation of Forbidden Lines", 1968IAUS..34..138C [ADS](#)
- Seaton, M. J., "Review of Atomic Collision Processes", 1968IAUS..34..129S [ADS](#)
- Seaton, M. J., "An Introductory Review", 1968IAUS..34....1S [ADS](#)
- Seaton, M. J., "Distances of Planetary Nebulae", 1968ApL....2..55S [ADS](#)
- Seaton, M. J., "Book Review: A guide to the solar corona. D.E. BILLINGS: Academic Press, New York, 1966. 10+323. 112s", 1967P&SS...15.1958S [ADS](#)
- Seaton, M. J., "Book Review: Annual Review of Astronomy and Astrophysics. L. GOLDBERG, A. J. DEUTSCH and D. LAYZER (Ed.): Vol. 3. Annual Reviews 1965. vii + 438 pp. \$ 9.", 1966P&SS...14.1039S [ADS](#)
- Seaton, M. J., "The ionization structure of planetary nebulae. V. Radii, luminosities and problems of evolution", 1966MNRAS.132..113S [ADS](#)
- Harman, R. F. & Seaton, M. J., "The ionization structure of planetary nebulae, IV. Optical thickness of the nebulae and temperatures of the central stars", 1966MNRAS.132..15H [ADS](#)
- Seaton, M. J., "Calculations of Collisional-Radiative Decay", 1965SAOSR.174..215S [ADS](#)
- Seaton, M. J., "Collision Cross Sections", 1965SAOSR.174..33S [ADS](#)

- Seaton, M. J., "Review paper : Far ultra-violet radiation : stars, nebulae and interstellar matter", 1965IAUS...23..133S [ADS](#)
- Seaton, M. J., "The Theory of the Coronal Spectrum", 1965ASSL....1..273S [ADS](#)
- Seaton, M. J., "Book Review: Advances in astronomy and astrophysics. Z. KOPAL (Ed): Volume 2. 314 + ix pp. Academic Press, New York, 1963. \$ 11.50.", 1964P&SS...12..1213S [ADS](#)
- Harman, R. J. & Seaton, M. J., "The Central Stars of Planetary Nebulae.", 1964ApJ...140..824H [ADS](#)
- Seaton, M. J., "Book Review: Atmospheric processes. PAUL J. NAWROCKI and ROBERT PAPA: Prentice Hall, 1963. xi + 699pp", 1964P&SS...12..185S [ADS](#)
- Seaton, M. J., "The spectrum of the solar corona", 1964P&SS...12..55S [ADS](#)
- Burgess, A. & Seaton, M. J., "The ionization equilibrium for iron in the solar corona", 1964MNRAS.127..355B [ADS](#)
- Hummer, D. G. & Seaton, M. J., "The ionization structure of planetary nebulae, III", 1964MNRAS.127..217H [ADS](#)
- Seaton, M. J., "Excitation of coronal lines by proton impact", 1964MNRAS.127..191S [ADS](#)
- Seaton, M. J., "Recombination spectra, III", 1964MNRAS.127..177S [ADS](#)
- Pengelly, R. M. & Seaton, M. J., "Recombination spectra, II", 1964MNRAS.127..165P [ADS](#)
- Gebbie, K. B. & Seaton, M. J., "Model Atmospheres for Central Stars of Planetary Nebula", 1963Natur.199..580G [ADS](#)
- Seaton, M. J., "Book Review: Advances in astronomy and astrophysics, vol. I . Z. KOPAL (ed.). Academic Press, New York, 1962. x + 366 pp. 80s", 1963P&SS...11..217S [ADS](#)
- Hummer, D. G. & Seaton, M. J., "The ionization structure of planetary nebulae, I. Pure hydrogen nebulae", 1963MNRAS.125..437H [ADS](#)
- Seaton, M. J., "The temperature of the solar corona", 19620bs....82..111S [ADS](#)
- Seaton, M. J., "Book Review: The abundance of the elements. LAWRENCE H. ALLER: Vol. VII, Interscience Monographs and Texts in Physics and Astronomy. Interscience, New York and London, 1961. 283 + xi pp., \$ 10.00", 1962P&SS....9..129S [ADS](#)
- Hummer, D. G. & Seaton, M. J., "The Ultra-Violet Radiation of the Central Stars of Planetary Nebulae", 1961LIACo..10..539H [ADS](#)
- Seaton, M. J., "Problems of nebular photometry", 1960AnAp...23..360S [ADS](#)
- Seaton, M. J., "Planetary nebulae", 1960RPPh...23..313S [ADS](#)
- Burgess, A. & Seaton, M. J., "Radiative recombination of He", 1960MNRAS.121..471B [ADS](#)
- Burgess, A. & Seaton, M. J., "The abundance of oxygen in the planetary nebula NGC 7027.", 1960MNRAS.121..76B [ADS](#)
- Seaton, M. J., "HI, HeII, and HeIII intensities in planetary nebulae", 1960MNRAS.120..326S [ADS](#)
- Burgess, A. & Seaton, M. J., "A general formula for the calculation of atomic photo-ionization cross-sections", 1960MNRAS.120..121B [ADS](#)
- Seaton, M. J., "The solution of capture-cascade equations for hydrogen", 1959MNRAS.119..90S [ADS](#)
- Seaton, M. J., "Radiative recombination of hydrogenic ions", 1959MNRAS.119..81S [ADS](#)
- Burgers, J. M., Liepmann, H., van de Hulst, H. C., et al., "Part VIII: Summaries and Conclusions", 1958RvMP...30.1095B [ADS](#)
- Seaton, M. J., "Local Density Variations in Planetary Nebulae", 1958RvMP...30.1034S [ADS](#)
- Burgess, A. & Seaton, M. J., "Cross Sections for Photoionization from Valence-Electron States", 1958RvMP...30..992B [ADS](#)
- Seaton, M. J., "Thermal Inelastic Collision Processes", 1958RvMP...30..979S [ADS](#)
- Seaton, M. J., "The Quantum Defect Method", 1958MNRAS.118..504S [ADS](#)
- Seaton, M. J., "Oxygen Red Lines in the Airglow. II. Collisional Deactivation Effects.", 1958ApJ...127..67S [ADS](#)
- Seaton, M. J. & Osterbrock, D. E., "Relative [O II] Intensities in Gaseous Nebulae.", 1957ApJ...125..66S [ADS](#)
- Seaton, M. J., "Further Calculations on Electron Excitation of Forbidden Lines: Transitions with Electric Quadrupole Moments", 1955RSPSA.231..37S [ADS](#)
- Seaton, M. J., "Relative [O III] intensities in the eclipsing variable AR Pavonis", 19550bs....75..85S [ADS](#)
- Seaton, M. J., "Continuum intensities in planetary nebulae", 1955MNRAS.115..279S [ADS](#)
- Seaton, M. J., "Interpretation of the Spectrum of the Orion Nebulae", 1955LIACo...6..462S [ADS](#)
- Kaiser, T. R. & Seaton, M. J., "Interplanetary Dust and Physical Processes in the Earth's Upper Atmosphere", 1955LIACo...6..48K [ADS](#)
- Seaton, M. J., "The Forbidden Line Spectra of Gaseous Nebulae", 1955IAUS....2..75S [ADS](#)
- Seaton, M. J., "Electron temperatures and electron densities in planetary nebulae", 1954MNRAS.114..154S [ADS](#)
- Seaton, M. J., "Collisions between protons and metastable atoms or ions having outer p^q shells", 1954AnAp...17..550S [ADS](#)
- Seaton, M. J., "Deactivation by collisions of the 2s metastable state of hydrogen in planetary nebulae", 1954AnAp...17..296S [ADS](#)
- Seaton, M. J., "Relative line intensities for [OII] and [SII] 2D-2S in gaseous nebulae leuses extragalactiques (2^e série de mesures)", 1954AnAp...17..74S [ADS](#)
- Seaton, M. J., "Electron Excitation of Forbidden Lines Occurring in Gaseous Nebulae", 1953RSPSA.218..400S [ADS](#)
- Seaton, M. J., "The chemical composition of the interstellar gas", 1951MNRAS.111..368S [ADS](#)
- Seaton, M. J., "The continuous radiative absorption cross-section of single ionized potassium", 1950MNRAS.110..247S [ADS](#)
- Bates, D. R. & Seaton, M. J., "The Quantal Theory of Continuous Absorption of Radiation by Various Atoms in their Ground States. II. Further Calculations on Oxygen, Nitrogen and Carbon", 1949MNRAS.109..698B [ADS](#)