



PhD theses

Cumulative Listing of Student Theses

Earth Sciences

School of Physics, Chemistry & Earth Sciences

*Please Note: *denotes where there is a rock collection with the thesis.*

GARRETTY, M.D. 1943 - The mineralisation of the orebodies at Broken Hill, New South Wales.

HOSSFELD, P.S. 1952 - Geological publications of South Australia and the Northern Territory. 1. Cainozoic history of the northern Mt Lofty Ranges. 2. Late Cainozoic history of the south-east of South Australia. 3. Stratigraphy and structure of the Northern Territory of Australia.

KLEEMAN, A.W. 1954 - A reconnaissance of the structural geology of the Mt Lofty Ranges.

RAO, V.R. 1955 - Tertiary foraminiferal biofacies in India and Australia.

FORBES, B.G. 1955 - Proterozoic sedimentary magnesite of South Australia.

DAILY, B. 1956 - The Cambrian in South Australia.

WADE, M.J. 1957 - Morphological and stratigraphical analysis of foraminiferal faunas of the Tertiary basins of southern Australia.

SKINNER, H.C.W. 1958 - The composition of modern carbonate sediments in the south-east of South Australia.

ABELE, C. 1961 - The Gambier Limestone and its foraminiferal fauna.*

McGOWRAN, B. 1962 - Foraminifera & biostratigraphy of the Australian Maastrichtian & Palaeocene.*

TALBOT, J.L. 1962 - A study of structural and metamorphic relationships between older and younger Precambrian rocks in the Mt Lofty-Olary Arc, South Australia.

MUMME, W.G. 1962 - The palaeomagnetism of some South Australian and Victorian rocks.

von der BORCH, C.C. 1962 - Sedimentary carbonate deposits of the Coorong area, South Australia.

MILLS, K.J. 1964 - The structural petrology of an area east of Springton, South Australia.*

O'DRISCOLL, E.S. 1964 - Rheid morphology: a study of laminary deformation applied to geology.

BROWN, R.G. 1965 - Sedimentation in the Coorong Lagoon, South Australia.

OFFLER, R. 1966 - The structure and metamorphism of the Pewsey Vale area north-east of Williamstown, South Australia.

VIRGO, D. 1966 - Some elemental distributions between co-existing feldspars in metamorphic rocks.

WHITTLE, A.W.G. 1966 - The paragenesis and origin of the Tennant Creek mineral deposits.

GEORGE, R.J. 1967 - Metamorphism of the Nairne pyrites deposit.*

THOMAS, L. 1967 - Surface wave dispersion in Australia.

POCOCK, K.J. 1967 - An aberrant group of trilobites from the Lower Cambrian of South Australia: systematics, functional morphology, segmentation and growth.*

SLADE, P.G. 1967 - Processes leading to equilibrium in feldspar systems.

WHITE, R.E. 1967 - The seismicity and crustal structure of South Australia.

STUART, W.J. 1969 - Stratigraphic and structural development of the St Vincent Tertiary basin, South Australia.*

MOORE, A.C. 1970 - The geology of the Gosse Pile ultramafic intrusion and of the surrounding granulite Tomkinson Ranges, Central Australia.*

GOODE, A.T.D. 1970 - The petrology & structure of the Kalku and Ewara layered basic intrusions, Giles Complex, central Australia.*

WALTER, M.R. 1970 - Stromatolites and the biostratigraphy of the Australian Precambrian, with appendices on pseudo fossils from Australian Precambrian iron-formation and greywacke.*

FLEMING, P.D. 1971 - Metamorphism and folding in the Mt Lofty Ranges, South Australia, with particular reference to the Dawesley-Kanmantoo area.*

PREISS, W.V. 1971 - The biostratigraphy and palaeoecology of South Australian Precambrian stromatolites.*

COLLERSON, K.D. 1972 - High grade metamorphic and structural relationships near Amata, Musgrave Ranges, Central Australia.*

JAGO, J.B. 1972 - Biostratigraphic and taxonomic studies of some Tasmanian Cambrian trilobites.

JENKINS, R.J.F. 1972 - Australian fossil decapod crustacea: faunal and environmental changes.

STEWART, I.C.F. 1972 - Microearthquakes and tectonics of South Australia.

TUCKER, D.H. 1972 - Magnetic and gravity interpretation of an area of Precambrian sediments in Australia.

MILNES, A.R. 1973 - The Encounter Bay Granites, South Australia, and their environment.*

BELL, T.H. 1973 - Mylonite development in the Woodroffe Thrust north of Amata, Musgrave Ranges, Central Australia.*

BARRY, J.M. 1974 - Geochemistry of the Scotia nickel deposit in relation to exploration.*

ABBAS, S.A.F. 1975 - Granitic & migmatitic rocks of the Cooke Hill area, South Australia, and their environment.*

BLIGHT, D.T. 1975 - The metamorphic geology of the Windmill Islands, Antarctica and adjacent coastal areas.*

HILL, R.J. 1975 - The crystal structure of the mineral scholzite and a study of the crystal chemistry of some related phosphate and arsenate minerals.



- MOUNT, T.J. 1975 - Diapirs and diapirism in the Adelaide 'Geosyncline', South Australia.
- HASLETT, P.G. 1976 - Lower Cambrian carbonate stratigraphy and sedimentology, Old Wirrealpa Spring, Flinders Ranges, South Australia.
- COIN, C.D.A. 1976 - A study of the Precambrian rocks of southern Eyre Peninsula in the vicinity of Tumbly Bay, South Australia.*
- WILTSHIRE, R.G. 1976 - The structural geology of the Old Boolcoomatta area, South Australia.
- TOTTEFF, S. 1977 - The geology of Adelaidean - Kanmantoo Group sequences in the eastern Mount Lofty Ranges.*
- LAING, W.P. 1977 - Structural and metamorphic geology of a critical area adjacent to the Broken Hill orebody, Willyama Complex, Australia.*
- MURRELL, B. 1977 - Stratigraphy and tectonics across the Torrens hinge zone between Andamooka and Maree, South Australia.
- COTTLE, J.W. 1977 - Numerical classification and characteristic relationships of Australian copper-lead-zinc sulphide deposits.
- GLEN, R.A. 1978 - Structural and metamorphic relations between low, medium and high grade rocks, Mount Franks and Mundi- Mundi area, Broken Hill, N S W.*
- PURVIS, A.C. 1978 - The geochemistry and metamorphic petrology of the Southern Cross - Forrestania Greenstone Belt at Diggers Rest, Western Australia.*
- PLUMMER, P.S. 1978 - The upper Brachina Subgroup - a Late Precambrian intertidal deltaic and sandflat sequence in the Flinders Ranges, South Australia.*
- MORGAN, R.P. 1978 - Early and Middle Cretaceous palynostratigraphy of Australia.
- LINLEY, J. 1978 - Genesis of the Mt Whaleback ore deposit, Western Australia.*
- PARKER, A.J. 1978 - Structural, stratigraphic and metamorphic geology of Lower Proterozoic rocks in the Cowell/Cleve district, eastern Eyre Peninsula.*
- MOORE, P.S. 1979 - Stratigraphy & sedimentology of the Billy Creek Formation (Cambrian, Flinders Ranges) and its equivalents on the northeast coast of Kangaroo Island, South Australia.*
- BUNAIUTO, M.F. 1979 - Late Eocene mollusca and related composite species from southern Australia.
- HEATH, R.S. 1979 - Neogene planktonic foraminifera: studies on Indo-Pacific and oceanic sections.*
- MANCKTELOW, N.S. 1979 - Structure & metamorphism of the Southern Adelaide foldbelt.*
- UPPILL, ROBYN K. 1980 - Sedimentology of the Late Precambrian Mundallio Subgroup: a clastic-carbonate (dolomite, magnesite) sequence in the Mt Lofty and Flinders Ranges, South Australia.*
- FITZGERALD, M.J. 1980 - The chemistry and mineralogy of the meteorites of South Australia and adjacent regions.
- GRAVESTOCK, D.I. 1980 - The biostratigraphy and palaeontology of Archaeocyatha (Cambrian) from South Australia.
- GILES, C.W. 1980 - A comparative study of Archaean and Proterozoic felsic volcanic associations in southern Australia.
- STOLZ, G.W. 1981 - A petrographic & geochemical investigation of the Archaean volcanic succession in the vicinity of the Scotia nickel deposits.*
- PARHAM, R.T. 1981 - A computerised seismic data acquisition and processing system and its applications.
- FUZIKAWA, K. 1982 - Fluid inclusions and oxygen isotope studies of the Nabarlek uranium deposits, Northern Territory, Australia.
- JENSEN, H.E. 1982 - Physical measurements associated with thermoluminescence dating.
- HANNAH, M.J. 1982 - Late Cretaceous foraminiferal biofacies of the northeastern Indian Ocean region.*
- GILLILAND, J.R. 1982 - Geoid studies in South Australia.
- COHEN, P.H. 1983 - A computer based trend surface study on structural analysis: test case from Lipson Cove, South Australia.
- MORTIMER, G. 1984 - Early to Middle Proterozoic granitoids, basaltic dykes and associated rocks of SE Eyre Peninsula, South Australia.
- ISLES, D.J. 1984 - A regional geophysical study of the Broken Hill Block, New South Wales, Australia.
- UKAIGWE, F. 1985 - Interpretation of aeromagnetic data of the Olary Province, South Australia and the development of interpretation methods.
- SUN, WEIGUO 1985 - Contributions to palaeontology and stratigraphic correlation of the Late Precambrian in China and Australia.
- BONE, Y 1985 - Magnesite deposits at Rum Jungle, Northern Territory, Australia - genesis and association with uranium and polymetallic sulfides.*
- TSEO, G.K.Y. 1986 - Longitudinal dunes: their genesis and ordering.
- ABKER, R.A. 1986 - Materials and techniques for thermoluminescence data.
- GABELL, A.R. 1986 - High-resolution remote sensing applied to mineral exploration in Australia.
- SINGH, U 1986 - Late Precambrian and Cambrian carbonates of the Adelaidean in the Flinders Ranges, South Australia: a petrographic, electron microprobe and stable isotope study.
- ALLEN, R. 1987 - Relationship of thermal evolution to tectonic processes in a Proterozoic fold belt.
- LAWRENCE, R.W. 1987 - The structure and metamorphism of the Irindina supracrustal assemblage on the western side of the Entia Dome, Harts Range, Central Australia.*
- WHITING, T.H. 1987 - A study of the lithology and structure of the eastern Arunta Inlier based on aeromagnetic interpretation: a lithological subdivision and structural history of the eastern Arunta Inlier, with particular emphasis on the relationship between magnetic



mineral petrogenesis, rock magnetism and aeromagnetic signature.

MURRAY-WALLACE, C.V. 1988 - Evaluation and application of the amino acid racemisation reaction in studies of quaternary coastal and marine sediments in Australia.

HAINES, P.W. 1988 - Carbonate shelf and basin sedimentation, Late Proterozoic Wonoka Formation, South Australia.*

WATANASAK, M. 1988 - Mid-Tertiary palynology of onshore and offshore basins, Thailand.

DING, PUGUAN 1989 - Structural and tectonic evolution of the eastern Arunta Inlier in the Harts Range area of Central Australia.*

LEMON, N.M. 1989 - Diapir recognition and modelling with examples from the Late Proterozoic Adelaide Geosyncline, central Flinders Ranges, South Australia.*

MORRISON, R.S. 1989 - Igneous intrusive rocks of the Peake and Denison Ranges within the Adelaide Geosyncline.

PRACEJUS, B.M.H. 1989 - Nature and formation of supergene manganese deposits on Groote Eylandt, N T, Australia.*

SHAFIK, S. 1989 - Late Cretaceous - Early Tertiary calcareous nanofossils from Australia.*

RAJAGOPALAN, S. 1990 - Aeromagnetic interpretation of the Kanmantoo Group, South Australia.*

HOCHMAN, M.B.M. 1990 - The application of artificial thermoluminescence to uranium exploration and uranium ore genesis studies.

O'DOWD, R.J. 1990 - A study of ill-conditioning in linear techniques with emphasis on some applications in the earth sciences.

HANCOCK, S.L. 1991 - Tectonic development of the Lower Proterozoic basement in the Kimberley District of northwestern Western Australia.

SCHULZ-ROJAN, J.C. 1991 - Origin, evolution and controls of Permian

reservoir sandstones in the southern Cooper Basin, South Australia.

CAMPBELL, E.M. 1991 - Structure and surface in the Gawler Ranges, South Australia.

JOHNSON, G.I. 1991 - The petrology, geochemistry and geochronology of the felsic alkaline suite of the eastern Yilgarn Block, Western Australia.*

TURNER, S.P. 1991 - Late orogenic, mantled-derived, bimodal magmatism in the southern Adelaide Foldbelt, South Australia.*

CHRISTODOULOU, C.C. 1992 - Petrology of the plutonic rocks of the Macquarie Island Complex.

ZHOU, SHAOHUA 1992 - Geophysical investigations on the formation mechanism of the Eromanga Basin, Australia.

MAY, R.I. 1992 - Quaternary sediments from the Noarlunga and Willunga Embayments, South Australia.

KREMOR, A.G. 1992 - Engineering geological factors affecting slope stability in soft brown coal deposits: a South Australian example.

STEWART, K.P. 1992 - High temperature felsic volcanism and the role of mantle magmas in Proterozoic crustal growth: the Gawler Ranges volcanic province.*

SHI, ZHIQUN 1993 - Automatic interpretation of potential field data applied to the study of overburden thickness and deep crustal structures, South Australia.

CANN, J.H. 1993 - Foraminifera and inferred palaeo sea levels, Spencer and St Vincent Gulfs and southeastern South Australia.

HOU, BAOHONG 1993 - Geology and genesis of Dounan manganese deposits, Yunnan Province, PR China.

MARTINEZ, J.I. 1993 - Late Pleistocene palaeoceanography of the Tasman Sea.

KENNEDY, M.J. 1993 - The influence of diapirism and deglaciation on the development of the NeoProterozoic stratigraphy of the Amadeus Basin, Central Australia.*

SCRIMGEOUR, I.R. 1994 - Evolution of granulite from MacRobertson Land, East Antarctica.

ARNOLD, J.L. 1994 - Staurolite-kyanite-amphibolites: calculated phase relations with application to amphibolites from the Harts Range, Central Australia and the Zillertaler Alpen, Austria.

APAK, S.N. 1994 - Structural development and control on sedimentation and stratigraphy in the Cooper Basin, northeastern South Australia and southwestern Queensland.

KRASSAY, A.A. 1994 - The Cretaceous stratigraphy and palaeogeography of the western and southwestern margins of the Gulf of Carpentaria, Northern Territory.

SONG, S. 1994 - Geochemical evolution of Phanerozoic lithospheric mantle beneath S.E. South Australia.*

BARKER, C.E. 1994 - Physical and geochemical conditions of organic metamorphism next to selected dykes, Victoria, Australia.

GRANMAYEH, A. 1994 - Petrology and provenance of Permian glaciogenic sediments in southern Australia.

PADLEY, D. 1995 - Petroleum geochemistry of the Otway Basin and the significance of coastal bitumen strandings on adjacent southern Australian beaches.

MOSS, G.D. 1995 - The Oligocene of South Australia: ecostratigraphy and taxic overturn in neritic foraminifera.*

JAKSA, M.B. 1995 - The influence of spatial variability on the geotechnical design properties of a stiff, overconsolidated clay.

BARKER, C. 1995 - Geothermics and organic geochemistry of organic matter maturation.

BIDDLE, D.L. 1995 - Investigation of water-mineral interactions in gneissic terrain at Mt Crawford, South Australia.

ARAFIN, S. 1995 - The sedimentology and petrology of Cambrian sediments in the Stansbury Basin, South Australia.

BOURNE, J.A. 1996 - Landform development and stream behaviour in the piedmont zone of the Flinders Ranges of South Australia.



MILLER, L.R. 1996 - Sedimentary architecture of rift related depositional systems within the Dampier Province, North West Shelf, Australia.

NEDIN, C. 1996 - The palaeontology and palaeoenvironment of the Early Cambrian Emu Bay Shale, Kangaroo Island, South Australia.

KIVIOR, I. 1996 - Geophysical study of the structure and crustal environment of the Poldia Rift, South Australia.

RYAN, S.E. 1996 - The Angel Gas Field, North West Shelf, Australia: an integrated 3D seismic and petrophysical study.

KAMALI, M.R. 1996 - Sedimentology and petroleum geochemistry of the Ouldburra Formation, eastern Officer Basin, Australia.

THEOLOGOU, P.N. 1996 - Murta Formation/McKinlay Member of the Murteree Ridge, Nappacongee-Murteree Block - improved oil recovery project.

MAHMOOD, T. 1996 - Three dimensional analogue modelling of extensional fault systems and their application to the Barrier- Dampier Sub-basin, Western Australia.

OGASAWARA, M. 1996 - Petrology of Early Proterozoic granitoids in the Halls Creek mobile zone.*

SHUBBER, B. 1996 - Mid-Cainozoic cool-water carbonate facies and their diagenetic history, St Vincent Basin, South Australia.*

CLARKE, I.F. 1996 - An analysis of geology curricula in Secondary and Tertiary education.

REZAEI, M.R. 1997 - Reservoir characterisation of the Tirrawarra Sandstone in the Moorari and Fly Lake Fields, southern Cooper Basin.

SUN, XIAO-WEN 1997 - The nature of the sub 'Z' sediments of the Warburton Basin, South Australia.*

MAVROMATIDIS, A. 1997 - Quantification of exhumation in the Cooper-Eromanga Basin, South Australia.

KRAISHAN, G.M. 1997 - Controls on sandstone reservoir quality: Permian to Early Cretaceous sequences, Barrow

Sub-basin, North West Shelf, Western Australia.

HILL, R.S. 1997 - Exploration implications predicted by the distribution of carbon-oxygen-hydrogen gases above and within the Junction gold deposit, Kambalda, Western Australia.

AL-AROURI, K.R. 1997 - Petroleum geochemistry, source rock evaluation and modelling of hydrocarbon generation in the southern Taroom Trough, with particular reference to the Triassic Snake Creek Mudstone.

ADAMS, G.J. 1997 - Structural evolution and ore genesis of The Granites gold deposits, Northern Territory.*

TEASDALE, J.P. 1997 - Methods for understanding poorly exposed terrains: the interpretative geology and technothermal evolution of the Western Gawler Craton.

BISHOP, M.A. 1997 - The spatial and temporal geomorphology and surficial sedimentology of the Gurra Gurra crescentic dunes, Strzelecki Desert, South Australia.

MENPES, R.J. 1997 - Tertiary uplift and its implications for the tectonic evolution of sedimentary basins offshore south-west United Kingdom.*

YASSAGHI, A. 1998 - Geometry, kinematics, microstructure, strain analysis, and P-T conditions of the shear zones and associated ductile thrusts in the southern Mt Lofty Ranges/Adelaide Hills area, South Australia.

GRUBER, T. 1998 - Crosshole seismic tomography incorporating later arrivals.

KAGYA, M.L.N. 1998 - The source rock and petroleum geochemistry of the Early Jurassic Poolowanna Formation, Eromanga Basin.

Haidaran-Shahri, M.R. 1998 - Geophysical studies of the Benagerie Ridge, Curnamona Nucleus, South Australia.

MILDREN, S.D. 1998 - The contemporary stress field of Australia's North West Shelf and collision-related tectonism.

RAHIMPOUR-BONAB, H. 1998 - Geochemical investigation of Cenozoic cool-water carbonate sediments of South

Australia: implications for diagenesis, palaeoenvironment and palaeoclimate.

ZHOU, B. 1998 - Crosshole resistivity and acoustic velocity imaging: 2.5D Helmholtz Equation modelling and inversion.

DOGRAMACI, S.S. 1998 - Isotopes of sulfur, oxygen, strontium and carbon in groundwater as tracers of mixing and geochemical processes, Murray Basin, Australia.*

AGNEW, M.K. 1998 - The formation of hardpans within tailings as possible inhibitors of acid mine drainage, contaminant release and dusting.

PAUL, E.G. 1998 - The geometry and controls on basement-involved deformation in the Adelaide Fold Belt, South Australia.

BAGHIYAN-YAZD, M.H. 1998 - Palaeoichnology of the terminal Proterozoic - Early Cambrian transition in Central Australia: interregional correlation and palaeoecology.*

BING, Z. 1998 - Crosshole resistivity and acoustic velocity imaging: S5-D Helmholtz Equation modeling and inversion.

SCHAEFER, B.F. 1998 - Insights into Proterozoic tectonics from the southern Eyre Peninsula, South Australia.

ABIDIN, H.Z. 1998 - Tectonic history and mineral deposits of the East-Central Kalimantan volcanic belt, Indonesia: a comparative study of the Kelian Muyup and Masupa Ria gold deposits.*

POLITO, P.A. 1999 - Exploration implications predicted by the distribution of carbon-oxygen-hydrogen gases above and within the Junction gold deposit, Kambalda, Western Australia.

SMITH, S.A. 1999 - Phanerozoic basin-fill history of the Roebuck Basin.

KAIKO, A.R. 1999 - Thermal history analysis of the Barrow and Dampier Sub-basins, North West Shelf, Western Australia.

KHAKSAR, A. 1999 - A petrophysical study of the influence of effective stress and fluid saturation on acoustic velocities in sandstones.



- BURGESS, J.M. 1999 - Carbon isotope stratigraphies of the interglacial Umberatana Group, Adelaide Fold Belt, South Australia.
- MAWBY, J.M. 2000 - Metamorphic and geochronological constraints on Palaeozoic tectonism in the eastern Arunta Inlier.
- HULL, J.N.F. 2000 - Sequence stratigraphic evolution of the Albian to Recent section of the Dampier Sub-basin, North West Shelf, Australia.
- HARRIS, M.A. 2000 - Some organic amendments for heavy mineral toxicity and soil structure in acid sulfate mine tailings.
- YU, XINKE 2000 - Compositional variability, migration and mixing of crude oils in the Cooper and Eromanga Basins.
- SCHILLER, J.C. 2000 - Structural geology, metamorphism and origin of the Kanmantoo copper deposit, South Australia.*
- CUBITT, C.J. 2001 - Controls on reservoir development and quality in a glacial sequence: a study of the Late Palaeozoic Cooper Basin, South Australia and Queensland, Australia.
- BENDALL, B.R. 2001 - Mid-Palaeozoic shear zones in the Strangways Range: a record of intracratonic tectonism in the Arunta Inlier, Central Australia.
- McLAREN, S.N. 2001 - Long-term consequences of the redistribution of heat-producing elements within the continental crust: Australian examples.*
- NEUMANN, N.L. 2001 - Geochemical and isotopic characteristics of South Australian Proterozoic granites: implications for the origin and evolution of high heat-producing terrains.
- REYNOLDS, S.D. 2001 - Characterisation and modelling of the regional in-situ stress field of continental Australia.
- DANIEL, R.F. 2002 - Carbonate sediments of a cool water embayment, Streaky Bay, South Australia.*
- DAS, P.K. 2002 - Extensional subsidence, inversion and volumetric contraction in the Bass Basin of Australia: a seismic study.
- ZHE, J. 2002 - Cross-hole electrical imaging of aquifer properties and preferential flow paths at the Bolivar ASR site.
- NAKANISHI, T. 2002 - Practical application of sequence stratigraphy and risk analysis for stratigraphic trap exploration.
- MEYER, J.J. 2002 - The determination and application on in situ stresses in petroleum exploration and production.
- MICHAELSEN, B.H. 2002 - Geochemical perspectives on the petroleum habitat of the Cooper and Eromanga Basins, central Australia.
- MENDIS, P.J. 2002 - The origin of the geological structures, diapirs, grabens and barite veins in the Flinders Ranges, South Australia.
- SCHMIDT, R. 2003 - Eocene bryozoa of the St Vincent Basin, South Australia - taxonomy, biogeography and palaeoenvironments.
- VAN RUTH, P.J. 2003 - Overpressures in the Cooper and Carnarvon Basins, Australia.
- TINGAY, M.R.P. 2003 - In situ stress and overpressures of Brunei Darussalam.
- POLLOCK, R.M. 2003 - Sequence stratigraphy of the Palaeocene to Miocene Gambier Sub-basin, southern Australia.
- GRECH, P.V.J.W. 2004 - Sedimentology and sequence stratigraphy of the Early Triassic Rewan Group, Bowen Basin.
- LAU, I.C. 2004 - Regolith-landform and mineralogical mapping of the White Dam prospect, eastern Olary Domain, South Australia, using integrated remote sensing and spectral techniques.
- GLENN, K.C. 2004 - Sedimentary processes during the Late Quaternary across the Kimberley Shelf, northwest Australia.
- CAREY, H. 2004 - Augmented Mise-a-la-Masse interpretation using rapid numerical methods.
- BAI, C-Y. 2004 - Three dimensional seismic kinematic inversion with application to reconstruction of the velocity structure of Rabaul volcano.
- SINCLAIR, G.D. 2005 - The effects of weathering and diagenetic processes on the geochemical stability of uranium mill tailings.
- TOKAREV, V. 2005 - Neotectonics of the Mount Lofty Ranges, South Australia.
- GILLAM, D.J. 2005 - Structural and geomechanical analysis of naturally fractured hydrocarbon provinces of the Bowen and Amadeus Basins, onshore Australia.
- BROWN, K.M. 2005 - Calcareous epiphytes on modern seagrasses as carbonate sediment producers in shallow cool-water marine environments, South Australia.
- CLARK, C.F.P. 2005 - Fluid-rock systems in the southern Curnamona province, Australia.
- RUTHERFORD, L.S. 2006 - Developing a tectonic framework for the southern Curnamona Cu-Ag province: geochemical and radiogenic isotope applications.*
- AL-KHALIFA, M. 2006 - The role of depositional facies and uncertainty assessments in hydrocarbon estimates: an example from the Daralingie Field, Cooper Basin, South Australia, Australia.
- GODA, H.M. 2006 - Prediction of special core parameters for Australian hydrocarbon basins.
- WADE, B.P. 2006 - Unravelling the tectonic framework of the Musgrave Province, Central Australia.
- WACLAWIK, V.G. 2006 - Landscape evolution of the Umbum Creek catchment, western Lake Eyre, Central Australia.
- SPRINGBETT, G. 2006 - Coal facies and palaeoenvironments of the Middle Eocene to Early Oligocene Bowmans and Lochiel deposits, northern St Vincent Basin, South Australia.
- SELWAY, K.M. 2006 - Magnetotelluric experiments in central and southern Australia and their implications for tectonic evolution.
- PAULL, R. 2007 - Cenozoic cupressaceae macrofossils from southeastern Australia: comparisons with extant genera/species.



- MEE, A.C. 2007 - Origin, formation and environmental significance of sapropels in shallow Holocene coastal lakes of southeastern South Australia.*
- HEATH, P.J. 2007 - Analysis of potential field gradient tensor data: forward modelling, inversion and near-surface exploration.
- THOMAS, M. 2007 - Multiscale prediction of saline-sodic land degradation processes in two South Australian regions.
- NELSON, E.J. 2007 - Present-day stress in central and southeast Australian sedimentary basins.
- BAKER, A.K.M. 2007 - New approaches to investigate and construct biogeochemical models of inland acid sulfate soils: linkages to environmental degradation processes and mineral exploration.
- DHU, T. 2008 - The use of fractal dimension for texture-based enhancement of aeromagnetic data.
- AL-ANZI, H. 2008 - Sedimentology, sequence stratigraphy and reservoir quality of the Early Cretaceous Murta Formation, Eromanga Basin, Central Australia.
- THIEL, S. 2008 - Modelling and inversion of magnetotelluric data for 2-D and 3-D lithospheric structure, with application to obducted and subducted terranes.
- PAYNE, J.L. 2008 - Palaeo- to Mesoproterozoic evolution of the Gawler Craton, Australia: geochronological, geochemical and isotopic constraints.
- LYON, P.J. 2008 - A systematic assessment of fault seal risk to hydrocarbon exploration in the Penola Trough, Otway Basin, South Australia.
- KING, E.J. 2008 - Seismic sequence stratigraphy of the intra-Barrow Group, Barrow Sub-basin, Northwest Shelf, Australia.
- WULSER, P-A. 2008 - Uranium metallogeny in the north Flinders Ranges region of South Australia.
- DART, R.C. 2009 - Gold-in-calcrete: a continental to profile scale study of regolith carbonates and their association with gold mineralisation.
- PETTS, A.E. 2009 - Termitaria as regolith landscape attributes and sampling media in northern Australia.
- DUTCH, R.A. 2009 - Reworking the Gawler Craton: metamorphic and geochronological constraints on palaeoproterozoic reactivation of the southern Gawler Craton, Australia.
- HABERLAH, D. 2009 - Loess and floods: late Pleistocene fine-grained valley-fill deposits in the Flinders Ranges, South Australia.
- RIORDAN, S.J. 2009 - Managing the interdisciplinary requirements of 3D geological models.
- REID, N. 2009 - Phyto-exploration in arid subtropical, arid mediterranean and tropic savanna environments: biogeochemical mechanisms and implications for mineral exploration.
- HULME, K.A. 2010 - Eucalyptus camaldulensis (river red gum) biogeochemistry: an innovative tool for mineral exploration in the Curnamona Province and adjacent regions.
- DAVEY, J.E. 2010 - Tectonostratigraphic evolution of an intracontinental terrain: the geological evolution of the Frome Embayment, Eromanga Basin, Australia.
- ELLIOTT, P. 2010 - Crystal chemistry of cadmium oxysalt and associated minerals from Broken Hill, New South Wales.
- KROMKHUN, K. 2010 - Petrogenesis of high heat producing granite: implication for Mt Painter Province, South Australia.*
- GIBSON-POOLE, C.M. 2010 - Site characterisation for geological storage of carbon dioxide: examples of potential sites from the North West Shelf, Australia.
- DELLER, K.E. 2011 - Sedimentological lithofacies, internal architecture and evolution of deep marine fans of the Tithonian Angel Formation, northwestern Dampier Sub-basin, North West Shelf, Australia.
- ARIAN, N. 2011 - Hydrocarbon potential of Eastern View Group reservoir rocks, Bass Basin, Australia.
- HATCH, M.A. 2011 - Investigations of electromagnetic methods applied to river and near-river environment along the Murray River, Australia.
- THOMAS, B.P. 2011 - Coastal acid sulfate soil processes in Barker Inlet, South Australia.
- CUTTIS, K. 2011 - Investigating the metamorphic evolution of reworked terranes.
- LOTFOLAH HAMEDANI, M. 2011 - Orebody modelling for exploration: the western mineralisation, Broken Hill.
- MAIER, R.E. 2011 - A petrophysical joint inversion of magnetotelluric and gravity data for enhanced subsurface imaging of sedimentary environments.
- RAIMONDO, T. 2011 - The architecture and evolution of intracontinental orogens: a structural, metamorphic and geochemical characterisation.
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