

Prof. Julian A. Pearce

School of Earth and Ocean Sciences, Cardiff University,

PO Box 914, Cardiff CF10 3AT, UK

e-mail: PearceJA@cf.ac.uk

Phone: 44-79-2018-0049

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Synopsis

1. Qualifications and Employment (p. 2)

- BA (1st Class Hons.): University of Cambridge (1970); PhD: University of East Anglia (1973).
- Royal Society European Research Fellow in Oslo (1973-4), Lecturer at the Open University (1974-1984), Reader at the Universities of Newcastle and Durham (1984-2000); Professor at Cardiff University (2000-2013); Professor Emeritus at Cardiff University and Honorary Distinguished Professor at the Chinese Academy of Geological Sciences (2014-).
- Bigsby (1993) and Murchison (2014) Medallist, Geological Society of London.

2. Teaching (pp. 3-4)

- Writer of 7 Open University teaching textbooks and presenter/writer of 8 BBC-TV, AV and IT packages in Economic Geology, Geochemistry and Petrology.
- Presenter of modules in the above disciplines, as well as in Computing, Planetary Geology and Remote Sensing. Leader of field trips to Cyprus and UK localities.

3. Research Supervision (pp. 5-7)

- Supervisor of 34 research students, 31 of whom successfully obtained PhDs, 2 of whom did not submit (but did publish) and 1 of whom are still writing.
- Employer of 8 Post-doctoral Research Assistants.

4. Research Funding (pp. 8-9)

- Holder of 33 research grants, about half as PI. Estimated value of £10M in present-day terms.
- Grants include c. £2M for setting up Geochemical Fingerprinting (ICP-MS LA-ICP-MS, ICP-OES multi-element analysis) facilities in Durham and Cardiff.

5. Academic Service (pp. 10-11)

- Duties include significant involvement in Ocean Drilling, including Head of the JOIDES office (1996) and Head of the ESSAC Office (2005-6).

6. Conferences and Published Abstracts (pp. 12-19)

- Many conferences/sessions organised (13 in past 8y) and invited/keynote lectures (27 in past 8y). c.100 abstracts published since 2000.

7. Principal Publications (pp. 20-26)

- i10=108, 36076 citations, h-index of 65 (Google Scholar, 6th Oct. 2016)).
(source: http://scholar.google.co.uk/citations?user=c3GcM_0AAAAJ&hl=en)

1. Qualifications and Employment

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1.1 Qualifications

1. 1967-1970 **BA** (Class I Hons in Natural Sciences) University of Cambridge, England.
2. 1970-1973 **PhD** School of Environmental Sciences, University of East Anglia, England.

(Some relationships between the geochemistry and tectonic setting of basic volcanic rocks; Prof. J.R. Cann supervisor).

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1.2 Employment

1. 1973-1974 Royal Society Post-doctoral Fellow at the Mineralogisk-Geologisk Museet, Oslo, Norway.
2. 1974-1984 Lecturer in Earth Sciences at the Open University, Milton Keynes, UK.
3. 1984-1989 Lecturer in Geology, then Reader in Geochemistry, at the University of Newcastle upon Tyne, UK.
4. 1989-1999 Reader in Geochemistry at the University of Durham, UK.
5. 2000-2013 Professor of Geochemistry, Cardiff University, UK.
6. 2014- Professor Emeritus, Cardiff University, UK.
7. 2014- Honorary Distinguished Professor, Chinese Academy of Geological Sciences, Beijing, P.R. China.

(Other employment includes 6 months in Canada working for Consolidated Goldfields and the Manitoba Geological Survey (1969-70), and 6 months as Visiting Professor at the University of Grenoble, France (1983-84)).

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1.3 Awards

1. Selwyn College, Cambridge, Scholarship (1969-70).
 2. Daniel Pigeon award (Geological Society of London) (1977).
 3. Bigsby Medal (Geological Society of London) (1993).
 4. Murchison Medal (Geological Society of London) (2014).
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2. Teaching and Supervision

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2.1 Taught Courses

1. Preparation of a number of Open University Course texts and audio-visual presentations in Economic Geology, Oceanography and Geochemistry (Open University).
 2. Over 20 Open University Summer Schools from demonstrator to Director.
 3. Modules in Petrology, Geochemistry and Ore Deposits, together with field trips, including mapping training, to NW Scotland (Newcastle).
 4. Modules in Global Environmental Systems, Geoscience Data Management, Resources & Environment, Dynamic Earth, Ore Deposits and Cyprus Field Excursion (Durham).
 5. Modules in Planetary Geology, Dynamic Earth, Environmental Remote Sensing/GIS, Igneous and Metamorphic Geology, and Ores and Ore Genesis - plus field excursions to Cyprus and North Wales (Cardiff)
 6. Author of computer-based teaching packages in Geochemistry and Statistics (Durham).
 7. Graduate short courses in Geochemical Fingerprinting (overseas).
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2.2 Teaching Publications

1. Pearce, J.A., 1976. Porphyry Copper Case Study. *Open University Press*. 80pp.
 2. Pearce, J.A., 1976. Stable Isotopes. *Techniques Handbook Section VI. Open University Press*. 70-76
 3. Pearce, J.A., 1976. Reflected Light Microscopy. *Techniques Handbook Section XI. Open University Press*: 145-154.
 4. Pearce, J.A. and Smith, S.G., 1978. The Oceanic Crust. *Open University Press*. 60pp.
 5. Pearce, J.A. and Fleet, A.J., 1981. Surface Processes: Weathering to Diagenesis. *Open University Press*. 70pp.
 6. Pearce, J.A., 1982. Crustal Anomalies: economic deposits and pollutants. *Open University Press*. 50pp.
 7. Pearce, J.A. Ore deposits: 1. Formation and Setting. *Open University Press*. 82pp.
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2.3 Teaching Media Productions

1. *Porphyry Copper Deposits*. Produced by Peter Clark; contributors John Hunt and Julian Pearce. (1976 BBC-TV programme; 25mins)
2. *Mineralisation in Cornwall*. Produced by Peter Clark; contributors John Wright, Julian Pearce and Andrew Rankin (1976 BBC-TV programme; 25mins)

3. *Reflected light microscopy*. Produced by Peter Clark; contributor Julian Pearce. (1976 BBC Open University Audiocassette)
 4. *Isotopes in Geology*. Produced by Denis Gartside; contributors Simon Sheppard and Julian Pearce. (1977 BBC-TV programme; 25mins)
 5. *Where has all the granite gone?* Produced by John Simmons; contributors John Wright and Julian Pearce. (1981 BBC-TV programme; 25mins)
 6. *Ores and Ore Minerals*. Produced by John Simmons; contributor Julian Pearce. (1984 BBC Open University Audiocassette)
 7. *Origin and Distribution of the Elements*. Written by Julian Pearce, produced by Neville Hallam. Teaching and Learning Technology Programme Courseware (1997).
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2.4 External Examining (Undergraduate Degrees)

1. Royal Holloway University of London (1992-1995)
 2. Open University (1996-2000)
 3. Liverpool University (1996-1999)
 4. Manchester University (2000-2003)
 5. Leeds University (2004-2007)
 6. Birkbeck College, University of London (2008-2011)
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3. Research Supervision

3.1 Research Students

1. Alabaster, T. 1982. The interrelationship between volcanic and hydrothermal processes in the Oman ophiolite. Unpubl. PhD Thesis, Open University. (Funded: NERC. Supervisor: Pearce)
2. Baldwin, A., not completed. Published as: Baldwin, J.A. and Pearce, J.A., 1982. Discrimination of productive and non-productive porphyritic intrusions in the Chilean Andes. *Econ. Geol.* **77**: 664-674.
3. Tindle, A.G., 1982. Petrogenesis of the Loch Doon granitic intrusion, Southern Uplands of Scotland. Unpubl. PhD Thesis, Open University (Funded: OU. Supervisor: Pearce)
4. Low, P.J. not completed. Published as: Pearce, J.A., Bender, J.F., DeLong, S.E., Kidd, W.S.F., Low, P.J., Güner, Y., Saroglu, F., Yilmaz, Y., Moorbath, S. and Mitchell, J.G., 1990. Genesis of collision magmatism in Eastern Anatolia, Turkey. *J. Volcanol. Geotherm. Res.* **44**, 190-227.
6. James, S.D., 1987. Volcanism in sedimentary basins and its implications for mineralization. Unpubl. PhD Thesis, Newcastle University. (Funded: NERC. Supervisor: Pearce)
5. Kostopoulos, D.K., 1988. Geochemistry, petrogenesis and tectonic setting of the Pindos ophiolite, NW Greece. Unpubl. PhD Thesis, Newcastle University. (Funded Greek Government. Supervisor: Pearce)
7. Mansolas, I., 1991. Geochemistry and economic significance of the Pindos ophiolite mantle sequence Unpubl. PhD Thesis, University of Durham. (Funded: Greek Government. Supervisor: Pearce).
8. Parkinson, I.J., 1993. Geochemistry and Petrogenesis of Forearc Peridotites, ODP Leg 125. Unpubl. PhD Thesis, University of Durham. (Funded: NERC. Supervisor: Pearce)
9. Wharton, M.R., 1993 Crustal accretion during the earliest stages of intra-oceanic arc volcanism: examples from Fiji and Tonga, SW Pacific. Unpubl. PhD Thesis, University of Durham. (Funded: NERC. Supervisor: Pearce, Colley (Oxford Brookes)
10. Keskin, M., 1994. Genesis of collision-related volcanism on the Erzurum-Kars Plateau, NE Turkey. Unpubl. PhD thesis: University of Durham. (Funded: Turkish Government. Supervisors: Pearce, Hirst).
11. Lawson, N.K., 1996. Crustal accretion near Ridge-Transform Intersections: Kane Fracture Zone, Mid-Atlantic Ridge. Unpubl. PhD thesis: University of Durham. (Funded: NERC. Supervisors: Pearce and Searle)
12. Acland, S. 1996. Magma Genesis in the Northern Lau Basin, SW Pacific. Unpubl. PhD Thesis, University of Durham. (Funded NERC. Supervisor: Pearce)
13. Freeman, J., 1996. Mantle-melt and mantle-fluid interactions in suprasubduction zones: evidence from the Troodos Massif, Cyprus. Unpubl. PhD thesis, University of Durham. (Funded: NERC. Supervisor: Pearce)
14. Wilson, R. 1997. Geochemistry of metalliferous sediments from the Northern Oman ophiolite. Unpubl. PhD thesis, University of Durham. (Funded: NERC. Supervisors: Pearce; Ellwood (Westlakes Inst.))

15. Bailey, W., 1997. Structural evolution of a microplate suture zone, SW Cyprus. Unpubl. PhD thesis, University of Durham. (Funded: NERC. Supervisors: Holdsworth, Swarbrick and Pearce)
16. Aldanmaz, E., 1998. Petrogenesis of Late Cenozoic collision volcanism in Western Anatolia, Turkey. Unpubl. PhD thesis, University of Durham. (Funded: Turkish Government. Supervisor: Pearce)
17. Ilbeyli, N., 1999. Petrogenesis of collision-related plutonic rocks, Central Anatolia (Turkey). Unpubl. PhD thesis, University of Durham. (Funded: Turkish Government. Supervisor: Pearce)
18. Cook, A.C., 1999. The tectonic evolution of mantle rocks from the Lizard ophiolite complex, SW England. Unpubl. PhD thesis, University of Durham. (Funded: BGS/Durham. Supervisors: Pearce, Holdsworth; Styles (BGS))
19. Woodland, S.J. (1999). Development ICP-MS isotope dilution preconcentration techniques for determination of platinum group elements in volcanic rocks. Unpubl. PhD thesis, University of Durham. (Funded: NERC. Supervisors: Pearce, Pearson)
20. Banks, G.J., 2004. Accretion of the Lower oceanic crust in the Troodos ophiolite: textural and geochemical constraints from drill core CY-4, Cyprus. Unpubl. PhD thesis, Cardiff University. (Funded: NERC. Supervisors: MacLeod, Coogan, Pearce).
21. Jones, K., 2005. The laser ablation ICP-MS analysis of olivine-hosted inclusions from the Mull Plateau Group lavas, Mull, Scotland. Unpubl. PhD thesis, Cardiff University. (Funded: NERC. Supervisors: Kerr, Pearce).
22. Lavis, S. 2005. Recycling in subduction zones: Evidence from eclogites and blueschist of NW China. Unpubl. PhD thesis, Cardiff University. (Funded: NERC. Supervisors: Niu, Pearce).
23. Wake, C.A., 2005. Geochemical mapping of the extrusive sequence of the Troodos Ophiolite, Cyprus. Unpubl. PhD thesis, Cardiff University. (Funded: Wake. Supervisors: Pearce, MacLeod)
24. Lilly, R.M., 2006. The magmatic evolution and crustal accretion of the Northern Oman-United Arab Emirates ophiolite. Unpubl. PhD thesis, Cardiff University. (Funded: Cardiff Uni./BGS. Supervisors: Pearce, MacLeod)
25. Dare, S.A.S., 2007. Chrome-spinel geochemistry of the Northern Oman-UAE Ophiolite. Unpubl. PhD thesis, Cardiff University. (Funded: Cardiff Uni./BGS. Supervisors: Pearce, MacLeod)
26. Neill, I., 2007. Tectonomagmatic origin of Trinidad and Tobago: implications for Caribbean tectonic evolution, hydrocarbon development and climate change. Unpubl. PhD thesis, Cardiff University. (Funded: NERC. Supervisors: Kerr, Pearce; Pindell (Tectonic Analysis Ltd.))
27. Hastie, A.R., 2007. The tectonomagmatic evolution of the Caribbean plate: insights from igneous rocks on Jamaica. Unpubl. PhD thesis, Cardiff University. (Funded: NERC. Supervisors: Kerr, Pearce; Pindell (Tectonic Analysis Ltd.))
28. Brough, C.P., 2010. Platinum-group elements (PGE) in Ophiolitic Chromitite – Characterising the link between chromite composition and PGE concentration. Unpubl. PhD thesis, Cardiff University. Funded: NERC. Supervisors: Prichard, Neary, Pearce)
29. Minifie, MJ, 2010. The nature and origin of the ~1880 Ma Circum-Superior Large Igneous Province. Unpubl. PhD thesis, Cardiff University. Funding: NERC. Supervisors: Kerr, Pearce; Ernst (Ottawa))

30. Johnson, C. 2011. A study to understand the processes that produced the world's largest podiform chromite deposit in the Kempirsay complex in the southern Urals, Kazakhstan. Unpubl. PhD thesis, Cardiff University. (Funding: Oriol Resources/Cardiff Uni.; Supervisors: Prichard, Neary, Pearce).

31. Howard, K., in progress. Accretion of the lower oceanic crust at fast-spreading mid-ocean ridges. (Funding: NERC. Supervisors: MacLeod, Lissenberg, Pearce).

32. Hayes, B., 2014. Crystallisation of an ultramafic-mafic sill complex, Victoria Island (Arctic Canada). (Funding: NERC. Supervisors: Lissenberg, Pearce; Bedard (Ottawa)).

33. Young, E.C., 2014. Controls on Volcanic Stratigraphy in the northern Troodos Massif. (Funding: Cardiff Uni. Supervisors: MacLeod, Pearce Lissenberg)

34. Lawton, R.M., 2016. Geodynamic Modelling of Subduction Zones: Implications for Magma Genesis (Funding: Cardiff Uni. Supervisors: Davies, Pearce)

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3.2 PDRAs

1. Michelle Ernewein (EU-funded; Ophiolite Project; 1989)
2. Dimitris Kostopoulos (Shell-Funded; ICP-MS Project; 1990-1994)
3. Bramley Murton (NERC-funded; Western Pacific Project; 1989-1991)
4. David Peate (NERC-funded; Western Pacific Project; 1992-1993)
5. Geoff Nowell (NERC-funded; Hf Isotope Project; 1995-1998)
6. Tiffany Barry (NERC-funded x 3; Mantle Flow Projects; 2001-2006)
7. Federica Lenci (NERC-funded; ESSAC Office; 2005-2006)
8. Alan Hastie (NERC-funded; Central Scotia Sea Project; 2008-2010)

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4. Research Funding

1. Oman Ophiolite Project: Study of volcanic stratigraphy and geochemistry of the Northern Oman mountains (with Ian Gass (OU) and others; NERC funded, 1976-82).
2. Andean Volcano Project: Study of Magma Genesis in the El Salvador Porphyry Copper District (with Peter Francis (OU) and others; NERC funded, 1977-83).
3. Troodos Ophiolite Deep Drilling Project (with Ian Gass (OU) and others; NERC funded, 1981-84).
4. Volcanism and mineralization in sedimentary basins: Study of the Broken Hill District, Australia (BP Minerals funded, 1984-87).
5. Tibet Geotraverse. Study of volcanic rocks and ophiolites of the region between Lhasa and Golmud (with Robert Shackleton (OU) and others; Royal Society funded 1985-87).
6. Development of ESCORT (Expert System for Characterisation of Rock Types). (North Mining funded, 1986-1989).
7. Origin and significance of boninites (with Martin Flower (Chicago); NATO funded, 1985-88).
8. Geochemistry and tectonics of the Lau Basin (with Lindsay Parson (IOSDL); NERC funded, 1986-88).
9. Chemical geodynamics of the Izu-Mariana Arc-basin Systems (with Bob Nesbitt (Soton), Chris Hawkesworth (OU) and Patty Fryer (Hawaii); NERC funded, 1989-94).
10. Petrologic and tectonic studies of the Mid-Atlantic Ridge in the region of the Kane Fracture Zone (with Roger Searle (Durham); NERC funded, 1990-92).
11. Advanced Petrogenetic Methods for Chromite Exploration (with IGME (Greece); EU funded 1992-96).
- 12.. Development of the ICPMS for analysis of geological samples. (Shell International funded, 1992-1995).
13. Origin and composition of the Palau-Kyushu Ridge (with Teru Ishii (Tokyo); NERC funded, 1993).
14. Chemical Geodynamics of the Scotia Arc-Basin System (with Philip Leat and Peter Barker (BAS). NERC-funded (GST/02/1114). 1994-1997).
15. Influence of subduction on ridge crest processes: the East Scotia back-arc basin (with Roy Livermore and John Smellie (BAS), Peter Barker (BAS), Harry Elderfield (Cambridge). NERC BRIDGE Special Topic funded (GST/02/1114), 1994-1996).
16. Characteristics and Petrogenesis of Collision Volcanism (with Giancarlo Serri (Pisa); British Council and CSR funded, 1994-1998)
17. Origin of high-field strength anomalies in subduction systems through Hf isotopes and experiment (with Pamela Kempton and Steve Noble (NIGL); NERC funded 1994-1999).
- 18 Petrology of the Ultrabasic Rocks of the Lizard Complex (with Styles (BGS). NERC-BGS/Durham University funded, 1995-1998).

19. Contribution to the Geochemical Earth Reference Model (GERM) (NERC-funded, 1995-1997).
20. Running of UK ODP office/JOIDES office (NERC-funded, 1995-1998).
21. Siderophile metal tracing of geological and environmental processes using magnetic-sector ICP-MS (with Graham Pearson (Durham); HEFCE/Durham-funded, 2000-2003).
22. Trace element geochemistry of ophiolitic mantle (NERC-funded (ICP/69/0694) 1992-1997).
23. Dynamics of a mantle domain boundary: a Hf-Nd isotope study of the Australian-Antarctic discordance (AAD) (with Kempton (NIGL) and Millar (BAS). NERC-funded, 1999-2004).
24. Geochemical tracing of Mantle Flow through the Drake Passage/Scotia Sea Gateway (with Leat and Millar (BAS). NERC-funded: AFI Initiative; 2002-2005).
25. Geochemical Fingerprinting of Earth Materials (HEFCE/Cardiff JIF award for elemental analysis laboratory: 2001-2004).
26. Geochemical Tracing of Mantle Flow (with Kempton (NIGL), Leat (BAS); NERC-funded 2005-2008).
27. Geochemical Investigation of the Semail Ophiolite and Associated Rocks of the United Arab Emirates. (with MacLeod (Cardiff); BGS/Cardiff-funded, 2002-2006).
28. Geochemical Consequences of Subduction Zone Metamorphism - Constraints on Mantle Isotopic Heterogeneities (with Niu and O'Hara (Cardiff); Royal Society-funded, 2002-2005).
- 29 IODP Research: ESSAC Office (with MacLeod (Cardiff). NERC/ECORD-funded, 2005-2007).
30. Geology of the Central Scotia Sea (with Dalziel and Lawver (UT Austin); NERC-funded, 2007-2011).
31. Dating and Isotope Geochemistry of Central Scotia Sea basement (with Barfod.(SUERC) and Millar (NIGL). NERC-funded, 2009-2012).
32. Testing Subduction Initiation and Ophiolite models by drilling the Bonin Forearc (with Stern, R.J. (UT Dallas), Reagan, M., (Iowa) and Ishizuka, O. (JGS). IODP Proposal #696); UK funding by NERC 2104-2015.
33. Role of the Central Scotia Sea Floor and North Scotia Ridge in the Onset and Development of the Antarctic Circumpolar Current (with Dalziel, I. and Lawver, L.). NSF funded.

Total not fully quantified; probably c. £10M present-day equivalent, plus shiptime. Largest grants were for Analytical Facilities, e.g #21 (£560k in 2000) and #25 (£960k in 2001).

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5. Academic Service

5.1 Ocean Drilling Program

1. UK representative on Ocean Drilling Program (ODP) Lithosphere Panel (1986-90).
 2. ODP Lithosphere Panel representative on Western Pacific Panel (1986-90)
 3. Co-chief Scientist on ODP Leg 125 (1988).
 4. UK representative on ODP Planning Committee (PCOM) and Science Committee (SCICOM) (1994-1998).
 5. Chair of ODP Planning Committee and Head of the JOIDES office (1996).
 6. Member and occasional Chair of UK ODP Steering Committee (1994-1998).
 7. Chair of European ODP Committee (1997-1998).
 8. Chair of UK ODP Special Topics Grants Committee (1994-1997).
 9. Member of Review Committee for IODP Atlantic Expeditions (2005).
 10. Chair of ESSAC (European IODP Science Committee) and Manager of the ESSAC Office. (2005-6)
 11. Member of SCICOM and IODP Management Subcommittee (2005-6)
 12. Member of IODP Management International (IMI) (2008-2012)
 13. Co-chief Scientist IODP Exp. 352 (2014).
 14. NSF JOIDES Resolution Facility Performance Panel (2015)
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5.2 Other Service

1. UK Correspondent for IGCP 161 (Mineralization in Basic Rocks) (1975-80).
2. UK Correspondent for IGCP 195 (Ophiolites and the Lithosphere of Marginal Seas) (1975-85)
3. Member of National Geochemical Data Bank Working Group (1980-82)
4. Member of the Royal Society Working Group on "Plate Tectonic maps of the world" (1980-82)
5. Member of the Geological Society Volcanic Studies Group Committee (1983-86).
6. Member of NERC Geochemistry and Electron Microprobe Review Groups (1983-84).
7. Teaching Committee Chair (Durham: 1995-1999).
8. Member of the International Advisory Board for IFM-GEOMAR (2004-)
9. Member of Research Council evaluation boards in Germany, France and Italy (2001-)
10. Member of Goldschmidt Conference International Task Group (2002-2003) and co-convenor of various Goldschmidt sessions.

J.A. PEARCE Curriculum Vitae

11. Editorial Board membership of *Journal of Petrology, Ophiolite, Geological Magazine and Geology*.
12. Member NERC Services Review Committee (2008)
13. CCFS International Science Advisory Committee, Australia (2012-)
14. Director of Research (EARTH, Cardiff) (2009-2013)

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6. Conferences, Invited Lectures and Published Abstracts

6.1 Conference Organisation (2008-present)

1. Co-convenor. *Mafic-ultramafic magmatism in crustal growth*. Goldschmidt Conference, Vancouver, July 2008)
 2. Co-convenor: *Subduction: slab and mantle contribution to magmatism* (IAVCEI, Reykjavik, August 2008)
 3. Co-convenor: *The evidence for geochemical and mass transfer between mantle and crust and back* (Goldschmidt Conference, Davos, June 2009)
 4. Co-convenor: *Ophiolites and modern Analogues* (Rimini, September 2009)
 5. Co-convenor: *Tectonic Crossroads* (GSA Global meeting, Ankara, October 2010)
 6. Co-convenor: *Geochemical Tracing of Subducted Recycled Materials* (Goldschmidt, Prague, 2011)
 7. Co-convenor: *Deep Earth Circulation* (34th IGC, Brisbane, August 2012)
 8. Co-convenor: *Magmatism and Geodynamics of the Collision Zones* (EGU, April 2013)
 9. Conference Scientific Committee: *The Scotia Arc: Geodynamic Evolution and Global Implications* (Grenada, May 2013)
 10. Co-convenor: *Recent Advances in Ophiolite Research: New Insights into the Formation, Evolution, and Emplacement of Ophiolites* (AGU, December 2014)
 11. Co-convenor: *The Ophiolite-Subduction Connection: Using peridotites as analogs for subduction zone mantle* (AGU, August 2015)
 12. Field Conference Organiser and Leader: *Probing the Troodos Ophiolite* (Ophiolitic Mantle: IGCP649) (Cyprus, May 2016)
 13. Theme Leader: *Magmatic Processes*; 35th IGC (Cape Town, August 2016)
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6.2 Invited Lectures (2008-present)

1. IBM-2: Proposal for Forearc Drilling. (IBM Workshop, Tokyo January 2008)
2. Shallow slab melting at the start of Western Pacific subduction: geochemical and experimental evidence (Jim Gill Symposium, Goldschmidt, Davos, June 2009)
3. Collision Magmatism (Crustal Evolution, Xian, September 2009)
4. Ophiolites and their Modern Analogues (Geological Congress of Turkey, Ankara, September 2009)
5. Forearcs and Supra-Subduction Zone Ophiolites: Some Similarities and Differences (AGU, San Francisco, December 2009)
6. Forearc drilling (IODP Western Pacific Workshop (Tokyo, July 2010)
7. Ophiolites and Earth Systems (OU 4 Decades Research Symposium, October 2010)

8. Initiation and Evolution of Subduction Beneath the Scotia Sea: New Evidence from Dredging and Imaging of the Central Scotia Sea Floor (11th International Symposium on Antarctic Earth Sciences, Edinburgh, United Kingdom, July 2011)
9. Chrome Spinels in Ophiolites: From Micro-analyses to Large-scale Plate Tectonic Interpretations (IMA Symposium , Budapest - August 2011)
10. Identification And Interpretation Of Eclogite Protoliths Using Immobile Element Geochemistry: Some New Methodologies (Ultra-High Pressure Metamorphism: Ernst Symposium. AGU 2011)
11. Geochemical fingerprinting of the tectonic setting of ancient mineral deposits. (Mineral Deposits Studies Group: Cardiff, Jan. 2012)
12. Orogenic Magmatism. (Lyell Symposium, London, Feb. 2012)
13. Birth and Death of Subduction Zones: The Geochemical Evidence (Volatiles and Fluids in Subduction Zones: Climate Feedback and Trigger Mechanisms for Natural Disasters: Lubeck, May 2012)
14. Forearc Drilling: Subduction Initiation (IODP Workshop, Hawaii, Sept. 2012)
15. Arc Evolution and its Implications for the Generation, Modification and Destruction of Lithosphere (34th IGC, August 2012)
16. Petrology and Tectonics of the Scotia Sea (The Scotia Arc: Geodynamic Evolution and Global Implications, Grenada, May 2013).
17. Continent Collisions (Harold Wilson Memorial Lecture, Belfast, Feb. 2014)
18. Geochemical Interpretation of Collision Volcanism (EGU, April 2014)
19. Fingerprinting Ophiolites (Tethyan Evolution/IWTOMA: Wuhan, Oct. 2014)
20. Expedition 352 (Bonin Forearc): First Results (AGU, December 2014)
21. Arcs Through Geologic Time (SOTA Conference, April 2015)
22. A Geochemical Proxy Approach to LIP Forensics (AGU Joint Assembly, May 2015)
23. Making New Oceanic Crust in a Subduction Initiation Setting: New Results from Bonin Forearc Drilling (IODP Exp. 352) (Goldschmidt Conference, August, 2015)
24. Modelling of Trace Element Behaviour in Igneous Systems: an Introduction (Goldschmidt Modelling Workshop, August, August 2015)
25. Tethyan Ophiolites: Genesis, Paleogeographic/Paleotectonic Implications (IWTOMA (Wuhan, October 2015)
26. Granites and associated metallogenetic systems (IWTOMA (Wuhan, October 2015)
27. Granite Fingerprinting Revisted (Cape Town, October, 2016)

6.3 Published Abstracts

1. Pearce, J.A., 1978. Petrogenetic studies of basalts using immobile trace element ratios. *J. Geol. Soc. Lond.* **135**, 592.
2. Hawkesworth, C.J. and Pearce, J.A., 1981. The contrasting evolution of the Central Andes and a Pan-African orogenic belt *Geophys. J. R. Astr. Soc.* **65**, 245.
3. Pearce, J.A., 1981. Ophiolites and actualism: trace element evidence. *Ophioliti* **6** (suppl.), 40.
4. Alabaster, A. and Pearce, J.A., 1981. Geological setting of massive sulphide deposits in the Oman ophiolite complex. *J. Geol. Soc. Lond.* **138**, 218.
5. Baldwin, J.A. and Pearce, J.A., 1982. Geochemical discrimination between barren and mineralized intrusions in the El Salvador porphyry copper district, Chile. *J. Geol. Soc. Lond.* **138**, 498.
6. Pearce, J.A., 1987. Trace element geochemistry of granitic rocks in ophiolite complexes. *Ophioliti* **12**, 257.
7. Pearce, J.A. and Baldwin, J.A., 1982. Geochemical tracers for identifying the pathlines of mineralizing fluids – examples from the El Salvador porphyry copper deposit, Chile. *J. Geol. Soc. Lond.* **139**, 98.
8. Pearce, J.A., 1988. Interpretation of trace-element patterns in basalts using linear-programming. *Chem. Geol.* **70**, 154.
9. Holland, J.G., Pearce, J.A. and Oakley, P.J., 1988. Analysis of trace elements in igneous rocks by ICP mass spectrometry. *Chem. Geol.* **70**, 204.
10. Johnson, L.E., Fryer, P. and Pearce, J.A., 1989. Mariana forearc crust sampled by serpentinite seamounts. *EOS* **70**, 1309.
11. Fryer, P., Pearce, J.A. and Stokking, L., 1989. Principal results of ODP Leg 125. *EOS* **70**, 1308.
12. Pearce, J.A., Arculus, R.J., Murton, B., Van der Laan, S., Thirlwall, M. and Mitchell, J.G., 1990. Partial melting of amphibolite associated with the initiation of subduction: evidence from ODP Leg 125. *EOS* **71**, 1719.
13. Pearce, J.A., Ernewein, M., Hergt, J.M., Hawkesworth, C.J., Matthey, D. and the RRS Charles Darwin Scientific Party, 1990. Geochemical mapping of the Central Lau back-arc basin. *EOS* **71**, 956.
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7. Principal Research Publications

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Citation Indices	All	Since 2011
Citations:	36076	13544
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