

The University of Manchester Library Content Development Policy Earth, Atmospheric and Environmental Sciences

Monday, 30 April 2012

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Introduction

This document presents the Content Development Policy for the School of Earth, Atmospheric and Environmental Sciences. It includes a description of the Library's existing collections and an outline of current collecting areas.

Set within the context provided by an overall [Content Development Policy](#) and a related [Collection Management Policy](#), its purpose is to ensure that the selection of resources - books, journals, and other kinds of material – whether print, electronic or other format, reflect the teaching and research priorities of the School and provide best value in both financial and academic terms.

This document will be reviewed and revised on a regular basis.

Collection evaluation

The Library has substantial collections in all fields of earth, atmospheric and environmental sciences, and includes books and journals, in print and digital formats. The principal collection of printed books, including reading list items, is kept on Blue 2 in the Main Library. Most earth, atmospheric and environmental sciences books are shelved at 550-559.99, 548-549.99, 560-569.99, 622.1-622.19, and 622.338-622.3389.

Appendix 1 provides an overview of the earth, atmospheric and environmental sciences bookstock by classmark, date of publication, and location.

Appendix 2 lists the books purchased from the Library's bookfund for the School of Earth, Atmospheric and Environmental Sciences during the 2009-10 financial year, excluding items purchased as part of other subscriptions.

Appendix 3 lists current journal subscriptions in the area of earth, atmospheric and environmental sciences. Because of the difficulties in deciding on what constitutes an earth, atmospheric and environmental sciences journal, it is not necessarily a complete list. However all journal holdings and subscriptions are listed in the Library catalogue, and all subscriptions to electronic journals are listed in its E-Journals A-Z listing.

Appendix 4 lists other relevant subscriptions to bibliographic databases, full text resources (including book collections), and datasets in the area.

The Library has important Special Collections holdings, both printed and manuscript or archival, relating to the history of this subject, particularly geology. Special collections material in this subject area includes: for earth sciences, the papers of William Boyd Dawkins, Edgar Morton and Peter Rowe, and for atmospheric sciences, the records of the Whitworth Meteorological Observatory and the John Dalton papers.

The Library does not actively collect Special Collections material in this area, and purchases of material are generally considered a low priority. However we will give careful consideration to any offers to donate or deposit Special Collections material in this area.

Further information is provided in the Collection Development Policy for the history of science, technology and medicine.

Bookfund and resource allocations

Bookfunds are allocated in June/July each year for the following financial year (which runs from August through July). This bookfund is to provide for all non-subscription library materials including printed textbooks and research monographs, electronic books, and any other one-off purchase requirements.

Journals and other subscription items are purchased from a separate fund which at present accounts for over 85% of the cost of all purchases.

Collection areas

To support the School's scholarly and research activities the Library will acquire material published in the areas listed below, as well as related areas in earth, atmospheric and environmental sciences, and other disciplines, as required.

a) Atmospheric science

- i. Aerosol research
- ii. Atmospheric chemistry
- iii. Dynamics and remote sensing
- iv. Cloud physics
- v. Radiation
- vi. Surface exchange
- vii. Urban pollution and meteorology

b) Basin studies and petroleum geoscience

- i. 3D seismic
- ii. Basin structure and fault growth
- iii. Digital outcrop analogues and reservoir modelling
- iv. Landscape evolution and earth surface processes
- v. Marine geology and geophysics
- vi. Sedimentary geochemistry and diagenesis
- vii. Sedimentology and sequence stratigraphy
- viii. Tectonics and sedimentation

c) Environmental geochemistry and geomicrobiology

- i. Biogeochemistry of arsenic
- ii. Biogeochemistry of trace metals in marine environments
- iii. Bioreduction of azo dyes and pigments
- iv. Biotechnological potential of nanobiominerals

- v. Biotransformations of radioactive elements
- vi. Geochemistry of evolving catchments
- vii. Microbial reduction of iron

d) Isotope geochemistry and cosmochemistry

- i. Climate change
- ii. Fluid systems
- iii. Formation and early evolution of the solar system
- iv. Interplanetary and interstellar dust
- v. Mantle geochemistry
- vi. Novel instrumentation for isotopic and elemental analysis
- vii. Nucleosynthesis
- viii. Planetary science
- ix. Planets, minor planets, asteroids, and other solar system bodies
- x. Prehistory of the solar system
- xi. Solar system exploration, especially sample return missions
- xii. Volatile evolution of terrestrial planets

e) Palaeontology

- i. Dinosaur gait modelling
- ii. Dinosaur track formation, preservation and interpretation
- iii. Dromaeosaur limb mechanics
- iv. Endocranial XRT studies of fossil vertebrates
- v. LiDAR 3D digital mapping of palaeontological sites
- vi. Palaeoecology and palaeoenvironments of Hell Creek
- vii. Palaeopathology of dinosaur bone
- viii. Taphonomic controls on dinosaur soft-tissue preservation
- ix. Theropod dinosaur respiratory system

f) Physics and chemistry of minerals and fluids

- i. Mineral surfaces
- ii. Mineral-fluid interactions
- iii. Interfaces with microorganisms
- iv. Nanoparticle evolution

g) Structural and petrological geoscience

- i. Brittle deformation of rocks
- ii. Deformation in nature
- iii. Experimental petrology
- iv. High temperature rock deformation
- v. Metamorphic petrology
- vi. Physical properties of rocks

Document Supply Service and Inter-Library Loans

Although the Library will try to accommodate all requests for purchase, books which lie outside the areas listed above or are out of print can be obtained on loan from another library through the [Document Supply Service](#). Such books are usually borrowable for up to 6 weeks at a time. Journal articles and other material not available from within the Library's collections can also be obtained through this service.

Teaching and Learning

The Library will support all taught course modules.

Multiple copies and / or electronic copies of texts will be purchased or subscribed to as appropriate. Subject to copyright restrictions the Library will digitise materials, for instance book chapters, or journal articles not otherwise available electronically, if required for taught course modules.

Reading lists and estimated student numbers should be sent to the Faculty Team Librarian by July 31 and November 30 each year so any new material can be purchased and processed in time for the forthcoming semester.

The library's software package [Link2Lists](#) affords the opportunity of creating multi-media **resource lists**. Hyperlinks to audio files, video clips, podcasts and the like can all be included in a resource list, alongside traditional bibliographic references to print material, e-books and journal articles, which can link directly through to entries in the Library catalogue. Library staff can provide training and support to academic staff interested in using Link2Lists software, and embedding resource lists into Blackboard modules.

Reading list texts can be 7-day loan or put into the [High Demand Collection](#), which offers yet shorter borrowing periods.

Digitisation

Subject to copyright restrictions the Library will digitise material according to its [Digitisation Strategy](#). Priorities include reading list items – book chapters or journal papers – and items from Special Collections.

Manchester e-Scholar

The University's institutional repository, [Manchester eScholar](#), manages and disseminates the intellectual outputs of the university. Since the beginning of 2010 all accepted PhD theses have been added to the repository.

Stock editing

Most stock is kept on the Library's open shelves. As space is at a premium, especially in the Main Library, periodic weeding is used to remove less-well used material to store from where it can be retrieved usually within one working day.

Unused duplicates are disposed of from time to time.

Weeding and withdrawal criteria are described in the [Collection Management Policy](#).

Donations

Offers of donations are welcome, but they can normally only be considered for acceptance if they are within the collection areas detailed above.

Other factors taken into account in deciding upon acceptance are listed in the [Collection Management Policy](#).

Recommendations

The Library welcomes recommendations for the purchase of books from staff and students of the School. Purchases are normally made if:

- recommendations fall within the scope of the policy as described above;
- funds are available;
- the item is not already in stock.

Usually:

- only a single copy of a printed book is purchased;
- books must normally be written in English;
- books must be of an appropriate academic standard.

For reading list texts, multiple copies and electronic versions will be considered as appropriate.

Recommendations for book purchases should be made through the relevant School Library Representative; Dr. Alison Pawley. Book recommendations can also be directed through the Faculty Team Librarian; Chris Gibson.

Journal recommendations are considered twice a year in March and November. Because of the forward financial commitment involved, journal subscriptions usually have to be balanced by savings elsewhere in the subscription budget. Recommendations should be made through the School Library Representative.

Contacts

- Faculty Team Librarian, Earth, Atmospheric and Environmental Sciences:

Chris Gibson
0161-275-8713
chris.gibson@manchester.ac.uk

- School of Earth, Atmospheric and Environmental Sciences, Library Representative:

Alison Pawley
0161-275-3944
alison.pawley@manchester.ac.uk

Appendices

Appendix 1: Stock overview

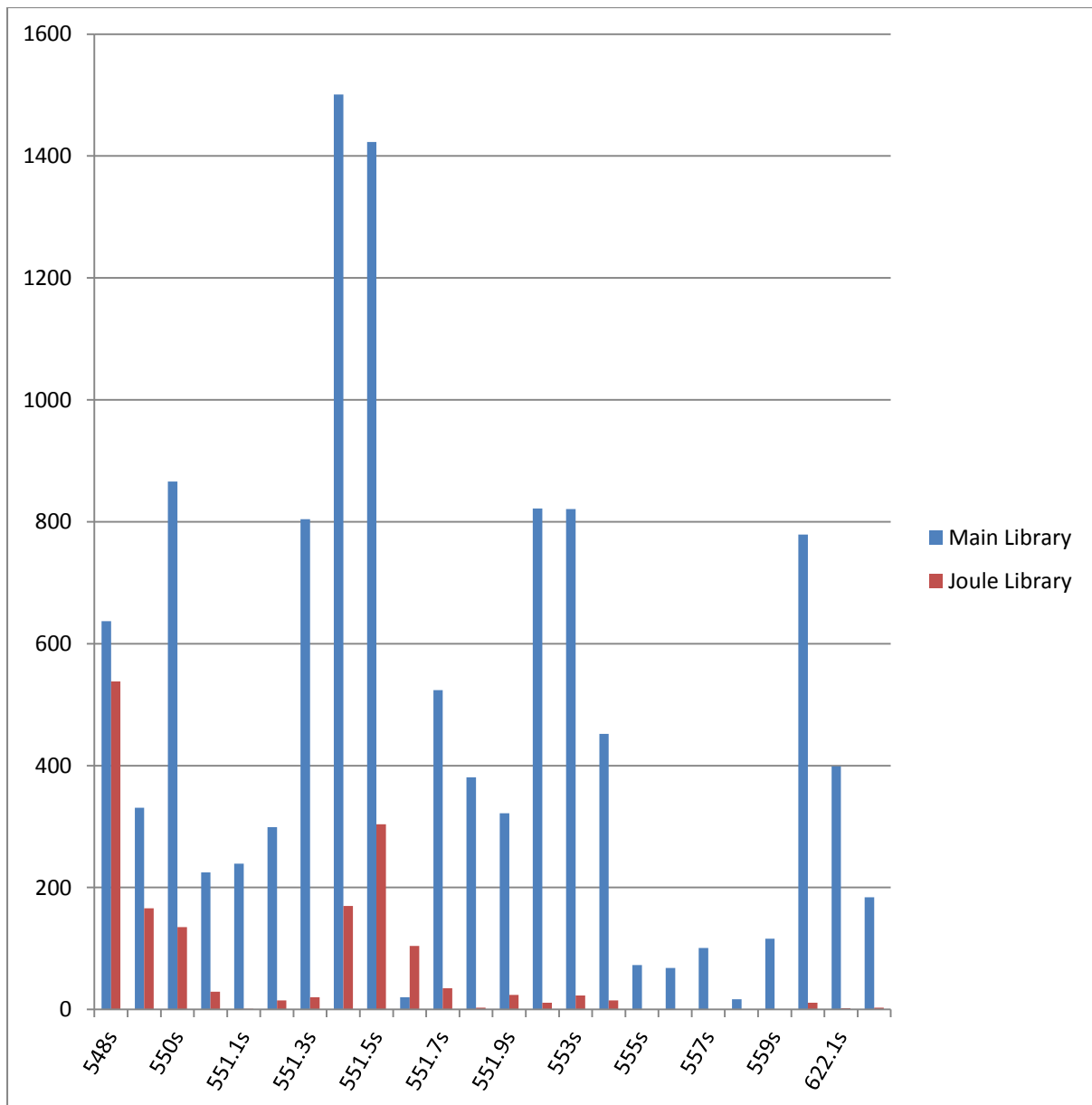


Figure 1. Number of items on open shelves at Dewey classifications for earth, atmospheric and environmental sciences

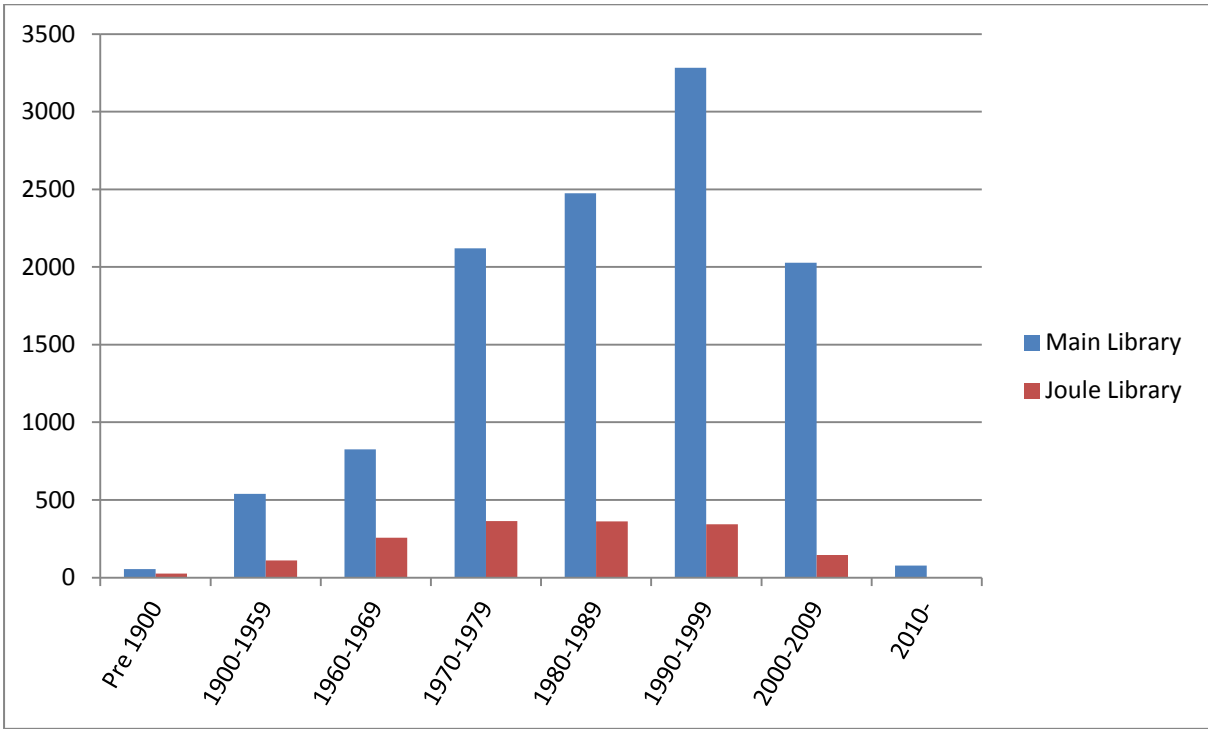


Figure 2. Number of items on open shelves at Dewey classifications for earth, atmospheric and environmental sciences, by dates of publication

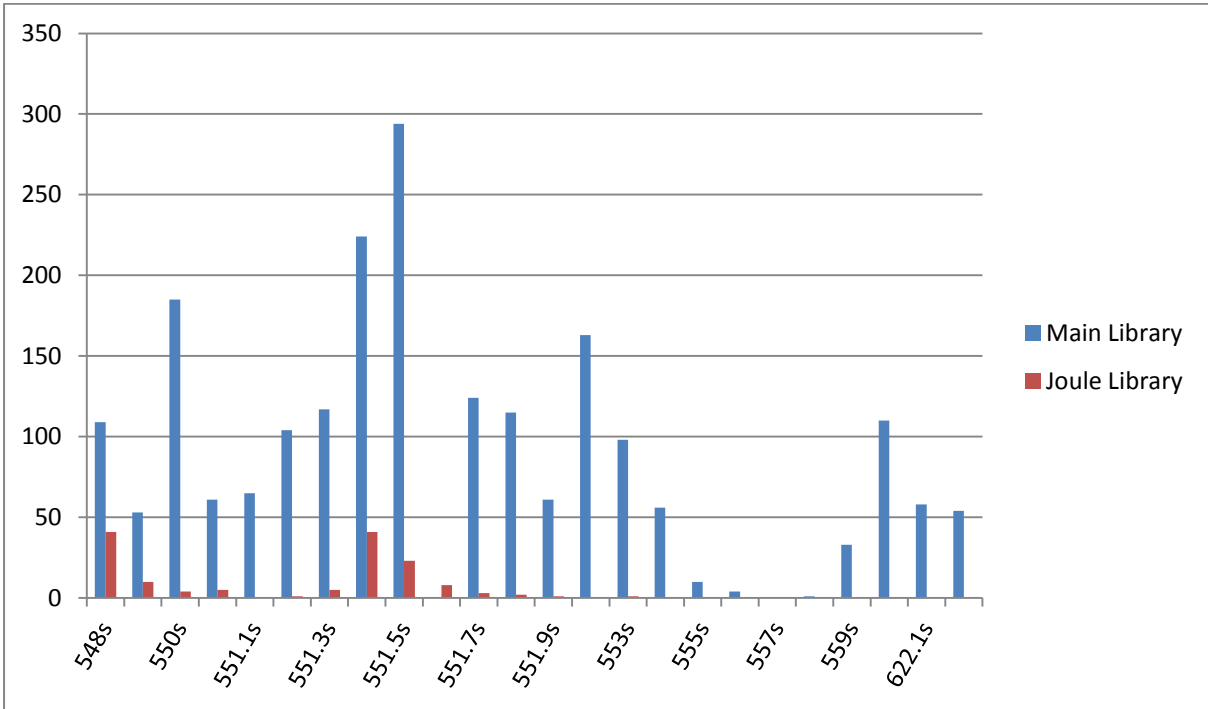


Figure 3. Number of items on open shelves at Dewey classifications for earth, atmospheric and environmental sciences, where publication date \geq 2000

Appendix 2: Book purchases 2009-10

First Author / Editor	Title	Pub. Date	Sequence	Classmark
King, K. N.	C programming : a modern approach	2008	Blue Area Floor 2	005.133C
King, K. N.	C programming : a modern approach	2008	High Demand	005.133C
Perry, Greg M.	Absolute beginner's guide to C	1994	Blue Area Floor 2	005.133C
Kirkup, Les	Data analysis with Excel : an introduction for physical scientists	2002	Blue Area Floor 2	005.54EXC
Kirkup, Les	Data analysis with Excel : an introduction for physical scientists	2002	High Demand	005.54EXC
Beatley, Timothy	Green urbanism : learning from European cities	2000	High Demand	333.6
Whitley, Richard	Divergent capitalisms : the social structuring and change of business systems	1999	High Demand	338.93
Wisner, Benjamin	At risk : natural hazards, people's vulnerability and disasters	2004	Blue Area Floor 2	361.5
Wisner, Benjamin	At risk : natural hazards, people's vulnerability and disasters	2004	High Demand, Counter Reserve	361.5
Smith, Keith	Environmental hazards : assessing risk and reducing disaster	2009	Blue Area Floor 2	361.5
Smith, Keith	Environmental hazards : assessing risk and reducing disaster	2009	High Demand	361.5
Tobin, Graham A.	Natural hazards : explanation and integration	1997	High Demand	361.5
Falvey, Rodney E.	Recent developments in international trade theory	2005	High Demand	382
Paul G. Hewitt	Conceptual integrated science	2007	Blue Area Floor 2	501
Schultz, David M.	Eloquent science : a practical guide to becoming a better writer, speaker, and atmospheric scientist	2009	Blue Area Floor 2	501.49

First Author / Editor	Title	Pub. Date	Sequence	Classmark
Schultz, David M.	Eloquent science : a practical guide to becoming a better writer, speaker, and atmospheric scientist	2009	High Demand	501.49
Croft, Tony	Foundation maths	2006	Blue Area Floor 2	510.2
Croft, Tony	Foundation maths	2006	High Demand	510.2
Jordan, D. W.	Mathematical techniques : an introduction for the engineering, physical, and mathematical sciences	2008	Blue Area Floor 2	510.245
Jordan, D. W.	Mathematical techniques : an introduction for the engineering, physical, and mathematical sciences	2008	High Demand	510.245
Stroud, K. A.	Engineering mathematics	2007	Blue Area Floor 2	510.2462
Stroud, K. A.	Engineering mathematics	2007	High Demand	510.2462
Beatty, J. K.	The New solar system	1999	High Demand	523.2
Beatty, J. K.	The New solar system	1999	High Demand, Counter Reserve	523.2
Goodhew, Peter J.	Electron microscopy and analysis	2001	Blue Area Floor 2	535.822
Goodhew, Peter J.	Electron microscopy and analysis	2001	High Demand	535.822
Wenk, Hans-Rudolf	Minerals : their constitution and origin	2003	Blue Area Floor 2	549
Wenk, Hans-Rudolf	Minerals : their constitution and origin	2003	High Demand	549
Brown, G. C.	Understanding the earth	1992	High Demand	550
Van Andel, Tjeerd H.	New views on an old planet : a history of global change	1994	High Demand	550
Trauth, Martin H.	MATLAB recipes for earth sciences	2007	Blue Area Floor 2	550.18
Marshak, Stephen	Earth : portrait of a planet	2008	Blue Area Floor 2	550.2
	McGraw-Hill dictionary of geology and mineralogy	2003	Blue 2 Ref.	550.3
	McGraw-Hill dictionary of geology and mineralogy	2003	Blue Area Floor 2	550.3

First Author / Editor	Title	Pub. Date	Sequence	Classmark
	McGraw-Hill dictionary of geology and mineralogy	2003	High Demand	550.3
McNeill, John Robert	Something new under the sun : an environmental history	2001	High Demand	550.9
Holden, J.	An introduction to physical geography and the environment	2008	Blue Area Floor 2	551
Holden, J.	An introduction to physical geography and the environment	2008	High Demand	551
Bell, F. G.	Geological hazards : their assessment, avoidance and mitigation	2003	Blue Area Floor 2	551
Bryant, Edward	Natural hazards	2005	Blue Area Floor 2	551
Bryant, Edward	Natural hazards	2005	High Demand	551
Fowler, C. M. R.	The solid earth : an introduction to global geophysics	2005	High Demand	551
Cooper, M. A.	Inversion tectonics	1993	Blue Area Floor 2	551.13
Kearey, P.	Global tectonics	2009	Blue Area Floor 2	551.13
Thordarson, T.	Studies in volcanology : the legacy of George Walker	2009	Blue Area Floor 2	551.21
Francis, Peter	Volcanoes	2004	High Demand	551.21
Schmincke, H.-U	Volcanism	2004	Blue Area Floor 2	551.21
Bolt, Bruce A.	Earthquakes	2006	Blue Area Floor 2	551.22
Bolt, Bruce A.	Earthquakes	2006	High Demand	551.22
Brown, Alistair R.	Interpretation of three-dimensional seismic data	2004	Blue Area Floor 2	551.22
Hough, Susan E.	Earthshaking science : what we know (and don't know) about earthquakes	2004	Blue Area Floor 2	551.22
Allen, P. A.	Earth surface processes	1997	Blue Area Floor 2	551.3
Allen, P. A.	Earth surface processes	1997	High Demand	551.3
Leeder, M. R.	Sedimentology and sedimentary basins : from turbulence	1999	Blue Area Floor 2	551.3

First Author / Editor	Title	Pub. Date	Sequence	Classmark
Nichols, Gary D.	Sedimentology and stratigraphy	2009	Blue Area Floor 2	551.3
Paterson, W. S. B.	The physics of glaciers	1998	Blue Area Floor 2	551.3111
Lee, H. J.	Earth science in the urban ocean : the Southern California continental borderland	2009	Blue Area Floor 2	551.36
Leggett, J. K.	Marine clastic sedimentology : concepts and case studies	1987	Blue Area Floor 2	551.36
Burbank, Douglas W.	Tectonic geomorphology	2001	High Demand	551.4
Wilgus, C. K.	Sea-level changes : an integrated approach	1988	Blue Area Floor 2	551.46
Thurman, Harold V.	Introductory oceanography	2004	Blue Area Floor 2	551.46
Appelo, C. A. J.	Geochemistry, groundwater and pollution	2005	Blue Area Floor 2	551.491
Barry, Roger Graham	Atmosphere, weather and climate	2010	High Demand	551.5
Andrews, David G.	An introduction to atmospheric physics	2010	Blue Area Floor 2	551.51
Lynch, Amanda	Applied atmospheric dynamics	2006	Blue Area Floor 2	551.51
Peixoto, Jose ´ Pinto	Physics of climate	1992	Blue Area Floor 2	551.51
Thompson, R. D.	Atmospheric processes and systems	1998	Blue Area Floor 2	551.51
Thompson, R. D.	Atmospheric processes and systems	1998	High Demand	551.51
Broecker, Wallace S.	The great ocean conveyor : discovering the trigger for abrupt climate change	2010	Blue Area Floor 2	551.56
Burroughs, William James	Climate change : a multidisciplinary approach	2007	High Demand	551.56
Houghton, J. T.	Global warming : the complete briefing	2009	Blue Area Floor 2	551.56
Houghton, J. T.	Global warming : the complete briefing	2009	High Demand	551.56
Schnellhuber, H-J.	Avoiding dangerous climate change	2006	Blue Area Floor 2	551.56

First Author / Editor	Title	Pub. Date	Sequence	Classmark
Alley, Richard B.	The two-mile time machine : ice cores, abrupt climate change and our future	2000	Blue Area Floor 2	551.569
Alley, Richard B.	The two-mile time machine : ice cores, abrupt climate change and our future	2000	High Demand	551.569
Sarg, J. F.	Carbonate sequence stratigraphy : recent developments and applications	1993	High Demand	551.7
Van Wagoner, T. A.	Siliciclastic sequence stratigraphy in well logs, cores, and outcrops: concepts for high-resolution correlation of time and facies	1990	Blue Area Floor 2	551.7
Coe, A. L.	The sedimentary record of sea-level change	2005	High Demand	551.7
Doyle, Peter	The key to Earth history : an introduction to stratigraphy	2001	Blue Area Floor 2	551.7
Doyle, Peter	The key to Earth history : an introduction to stratigraphy	2001	High Demand	551.7
Lowe, J. J.	Reconstructing quaternary environments	1997	High Demand	551.79
Park, R. G.	Foundations of structural geology	2000	Blue Area Floor 2	551.8
Pollard, David D.	Fundamentals of structural geology	2005	Blue Area Floor 2	551.8
Paterson, Mervyn S.	Experimental rock deformation : the brittle field	2005	High Demand	551.87
Bethke, Craig	Geochemical and biogeochemical reaction modeling	2007	Blue Area Floor 2	551.9018
Killops, S. D.	Introduction to organic geochemistry	2005	Blue Area Floor 2	551.92
Killops, S. D.	Introduction to organic geochemistry	2005	High Demand	551.92
Evans, B. W.	Landmark papers : metamorphic petrology	2007	Blue Area Floor 2	552.4
Liou, J. G.	When continents collide : geodynamics and geochemistry of ultrahigh-pressure rocks	1998	Blue Area Floor 2	552.4

First Author / Editor	Title	Pub. Date	Sequence	Classmark
Allen, P. A.	Basin analysis : principles and applications	2005	Blue Area Floor 2	552.5
Tucker, Maurice E.	Sedimentary rocks in the field	2003	Blue Area Floor 2	552.5
Adams, A. E.	A colour atlas of carbonate sediments and rocks under the microscope	1998	Blue Area Floor 2	552.54
Adams, A. E.	A colour atlas of carbonate sediments and rocks under the microscope	1998	High Demand	552.54
Scholle, Peter A.	A color guide to the petrography of carbonate rocks : grains, textures, porosity, diagenesis	2003	Blue Area Floor 2	552.54
Craig, J. R.	Cram101 textbook outlines to accompany: Resources of the Earth, Craig & Vaughan & Skinner	2007	Blue Area Floor 2	553
Craig, J. R.	Cram101 textbook outlines to accompany: Resources of the Earth, Craig & Vaughan & Skinner	2007	High Demand	553
Thomas, Larry	Handbook of practical coal geology	1992	Blue Area Floor 2	553.23
Thomas, Larry	Handbook of practical coal geology	1992	High Demand	553.23
Jordan, J. F.	Reservoir characterization : recent advances	1999	High Demand	553.28
Deutsch, Clayton V.	Geostatistical reservoir modeling	2002	Blue Area Floor 2	553.28
Deutsch, Clayton V.	Geostatistical reservoir modeling	2002	High Demand	553.28
Gluyas, J. G.	Petroleum geoscience	2004	Blue Area Floor 2	553.28
Hohn, Michael E.	Geostatistics and petroleum geology	1999	Blue Area Floor 2	553.28
Hohn, Michael E.	Geostatistics and petroleum geology	1999	High Demand	553.28
Selley, Richard C.	Elements of petroleum geology	1998	Blue Area Floor 2	553.28
Tissot, B. P.	Petroleum formation and occurrence : a new approach to oil and gas exploration	1978	Blue Area Floor 2	553.28
Zimmerle, Winfried	Petroleum sedimentology	1995	Blue Area Floor 2	553.28

First Author / Editor	Title	Pub. Date	Sequence	Classmark
Meadows, N.S.	Petroleum geology of the Irish Sea and adjacent areas	1997	High Demand	553.2809415
McCann, T.	The geology of central Europe	2008	Blue Area Floor 2	554
Treagus, J. E.	The Dalradian of Scotland	2009	Blue Area Floor 2	554.1
Woodcock, N. H.	Geological history of Britain and Ireland	2000	Blue Area Floor 2	554.2
Woodcock, N. H.	Geological history of Britain and Ireland	2000	High Demand	554.2
Toghill, Peter	The geology of Britain : an introduction	2002	Blue Area Floor 2	554.2
Toghill, Peter	The geology of Britain : an introduction	2002	High Demand	554.2
Howells, M. F.	British regional geology	2005	Blue Area Floor 2	554.29
Owen, T. R.	Geology explained in South Wales	2006	Blue Area Floor 2	554.29
Jenkyns, Hugh C.	A field excursion guide to the Island of Mallorca	1990	Blue Area Floor 2	554.675
Watters, T. R.	Planetary tectonics	2010	Blue Area Floor 2	559.99
Spudis, Paul D.	The geology of multi-ring impact basins : the moon and	2005	Blue Area Floor 2	559.99
Spudis, Paul D.	The geology of multi-ring impact basins : the moon and other planets	2005	High Demand	559.99
Vita-Finzi, Claudio	Planetary geology	2005	Blue Area Floor 2	559.99
Vita-Finzi, Claudio	Planetary geology	2005	High Demand	559.99
Selden, Paul	Evolution of fossil ecosystems	2004	High Demand	560
Hou, X.	The Cambrian fossils of Chengjiang, China : the flowering of early animal life	2004	High Demand	560.951
Benton, M. J.	Vertebrate palaeontology	2005	Blue Area Floor 2	566
Benton, M. J.	Vertebrate palaeontology	2005	High Demand	566
Carroll, Sean B.	Endless forms most beautiful : the new science of evo devo and the making of the animal kingdom	2005	Blue Area Floor 2	571.85

First Author / Editor	Title	Pub. Date	Sequence	Classmark
Lovelock, James	The ages of Gaia : a biography of our living Earth	2000	Blue Area Floor 2	577
Harte, John	Consider a spherical cow : a course in environmental problem solving	1988	Blue Area Floor 2	577.0151
Harte, John	Consider a spherical cow : a course in environmental problem solving	1988	High Demand	577.0151
Shaefer, Stacey J.	Probability and statistics applications for environmental science	2007	Blue Area Floor 2	577.015195
Schlesinger, William H.	Biogeochemistry : an analysis of global change	1997	Blue Area Floor 2	577.14
Lomborg, Bjørn	The skeptical environmentalist : measuring the real state of the world	2001	High Demand	577.271
Bardgett, Richard D.	The biology of soil : a community and ecosystem approach	2005	Blue Area Floor 2	577.57
Bardgett, Richard D.	The biology of soil : a community and ecosystem approach	2005	High Demand	577.57
Ehrlich, Henry Lutz	Geomicrobiology	2009	Blue Area Floor 2	579.1714
Ehrlich, Henry Lutz	Geomicrobiology	2009	High Demand	579.1714
Savazzi, E.	Functional morphology of the invertebrate skeleton	1999	High Demand	592
Kearey, P.	An introduction to geophysical exploration	2002	Blue Area Floor 2	622.15
Anstey, Nigel Allister	Simple seismics : for the petroleum geologist, the reservoir engineer, the well-log analyst, the processing technician, and the man in the field	1982	High Demand	622.1592
Bacon, M.	3-D seismic interpretation	2003	Blue Area Floor 2	622.1592
Bacon, M.	3-D seismic interpretation	2003	High Demand	622.1592
Gadallah, Mamdouh R.	Reservoir seismology : geophysics in nontechnical language	1994	Blue Area Floor 2	622.1592
Waters, Kenneth Harold	Reflection seismology : a tool for energy resource exploration	1992	High Demand	622.1592

First Author / Editor	Title	Pub. Date	Sequence	Classmark
Bassiouni, Zaki	Theory, measurement, and interpretation of well logs	1994	Blue Area Floor 2	622.1828
Blackbourn, Graham A.	Cores and core logging for geoscientists	2009	Blue Area Floor 2	622.1828
Desbrandes, Robert	Encyclopedia of well logging	1985	High Demand	622.1828
Hyne, Norman J.	Nontechnical guide to petroleum geology, exploration, drilling, and production	2001	Blue Area Floor 2	622.1828
Rider, M. H.	The geological interpretation of well logs	2002	Blue Area Floor 2	622.1828
Rider, M. H.	The geological interpretation of well logs	2002	High Demand	622.1828
Archer, J. S.	Petroleum engineering : principles and practice	1986	Blue Area Floor 2	622.338
Jahn, Frank	Hydrocarbon exploration and production	2008	Blue Area Floor 2	622.338
Raymond, Martin	Oil and gas production in nontechnical language	2006	Blue Area Floor 2	622.338
Thompson, Robert S.	Oil property evaluation	1984	Blue Area Floor 2	622.338
Dake, L. P.	The practice of reservoir engineering	2001	Blue Area Floor 2	622.3382
Shepherd, Mike	Oil field production geology	2009	Blue Area Floor 2	622.3382
Zoback, Mark D.	Reservoir geomechanics	2007	Blue Area Floor 2	622.3382
Hutchinson, J. N.	Selected papers on engineering geology and geotechnics	2008	Blue Area Floor 2	624.151
Pepper, I. L.	Environmental and pollution science	2006	Blue Area Floor 2	628
Harrison, R. M.	An introduction to pollution science	2006	Blue Area Floor 2	628.5
Elsom, Derek M.	Atmospheric pollution : a global problem	1992	Blue Area Floor 2	628.53
Hillel, Daniel	Soil in the environment : crucible of terrestrial life	2008	Blue Area Floor 2	631

First Author / Editor	Title	Pub. Date	Sequence	Classmark
Soil Science Society of America	Methods of soil analysis	1995	Blue Area Floor 2	631.13
Soil Science Society of America	Methods of soil analysis	1996	Blue Area Floor 2	631.13
Soil Science Society of America	Methods of soil analysis	2002	Blue Area Floor 2	631.13
Soil Science Society of America	Methods of soil analysis	2008	Blue Area Floor 2	631.13
Dixon, J. B.	Soil mineralogy with environmental applications	2002	Blue Area Floor 2	631.13
Leeper, Geoffrey Winthrop	Managing the heavy metals on the land	1978	Blue Area Floor 2	631.13
Carson, Rachel	Silent spring	2002	Blue Area Floor 2	632.95
Carson, Rachel	Silent spring	2002	High Demand	632.95
Sloan, E. Dendy	Clathrate hydrates of natural gases	2008	Blue Area Floor 2	665.7
Petts, J.	Handbook of environmental impact assessment	1999	High Demand	711.001
Castree, Noel	Nature	2005	High Demand	910
Cloke, P. J.	Introducing human geographies	2005	High Demand	910.11
Alexander, David	Confronting catastrophe : new perspectives on natural disasters	2000	Blue Area Floor 3	910.11
Alexander, David	Confronting catastrophe : new perspectives on natural disasters	2000	High Demand	910.11
Burton, Ian	The environment as hazard	1978	Blue Area Floor 3	910.11
Burton, Ian	The environment as hazard	1978	High Demand	910.11
Davis, Lee A.	Environmental disasters : a chronicle of individual, industrial, and governmental carelessness	1998	Blue Area Floor 3	910.11
Davis, Lee A.	Environmental disasters : a chronicle of individual, industrial, and governmental carelessness	1998	High Demand	910.11
Goudie, Andrew	The human impact on the natural environment	2006	Blue Area Floor 3	910.11

First Author / Editor	Title	Pub. Date	Sequence	Classmark
Hewitt, K.	Regions of risk : a geographical introduction to disasters	1997	High Demand	910.11
Dorling, Daniel	Mapping : ways of representing the world	1997	High Demand	912
Piperno, Dolores R.	Phytoliths : a comprehensive guide for archaeologists and paleoecologists	2006	Blue Area Floor 3	913.0728

Appendix 3: Current journal subscriptions

Title	Electronic access	Print holdings
AAPG Bulletin	2008-	1917-2007
Acta Agriculturae Scandinavica. Section B, Soil and Plant Science	1992-	
Acta Crystallographica Section A: Foundations of Crystallography	1948-	
Acta Crystallographica Section B: Structural Science	1968-	
Acta Crystallographica Section C: Crystal Structure Communications	1983-	
Acta Crystallographica Section E: Structure Reports Online	2001-	
Acta Geologica Polonica	2002-	
Acta Geologica Sinica	1988-	
Acta Geophysica	2006-	
Acta Geotechnica	2006-	
Acta Materialia	1990-	
Acta Meteorologica Sinica	2011-	
Acta Oceanologica Sinica	2009-	
Acta Palaeontologica Polonica	2002-	
Acta Zoologica	1920-	1920-1995
Advances in Astrobiology and Biogeophysics	2003-	
Advances in Atmospheric Sciences	1997-	
Advances in Experimental Medicine and Biology	1999-	
Advances in Nuclear Science and Technology		1962-1999
Advances in Space Research	1981-	
Advances in Water Resources	1977-	

Title	Electronic access	Print holdings
Aerosol Science and Technology	1982-	
African Journal of Aquatic Sciences	1997-	
African Journal of Microbiology Research	2007-	
Agricultural and Forest Meteorology	1964-	
Agricultural Economics	1986-	
Air Quality, Atmosphere & Health	2008-	
American Journal of Science	2001-	1818-1869 (imperfect); 1940-1962
American Mineralogist	1916-	1923-
Analyst	1876-	
Analytica Chimica Acta	1947-	
Analytical and Bioanalytical Chemistry	1862-	
Analytical Chemistry	1929-	
Angewandte Chemie	1887-	
Angewandte Chemie - International Edition	1962-	
Annales de Paléontologie	1998-	1906-1990
Annales Geophysicae	1996-	
Annals of Carnegie Museum	2005-	
Annals of Glaciology	1981-	1980-
Annals of Microbiology	2006-	
Annals of the New York Academy of Sciences	1897-	
Annual Reports on NMR Spectroscopy	1968-	1970-
Annual Review of Earth and Planetary Sciences	1973-	

Title	Electronic access	Print holdings
Annual Review of Environment and Resources	1976-	
Annual Review of Microbiology	1947-	
Antarctic Meteorite Research		2006-
Antarctic Science	1989-	
Applied and Environmental Microbiology	1953-	1976-1994
Applied Clay Science	1985-	
Applied Geochemistry	1986-	
Applied Geomatics	2009-	
Applied Geophysics	2004-	
Applied Microbiology and Biotechnology	1975-	
Applied Ocean Research	1979-	
Applied Optics	1962-	
Applied Soil Ecology	1994-	
Applied Spectroscopy	1946-	
Applied Spectroscopy Reviews	1967-	
Applied Surface Science	1977-	
Aquatic Geochemistry	1995-	
Aquatic Sciences	1920-	
Arabian Journal of Geosciences	2008-	
Archives of Agronomy and Soil Science	1962-	
Archives of Environmental Contamination and Toxicology	1973-	
Archives of Microbiology	1930-	
Arctic, Antarctic, and Alpine Research	1969-	1999-2007
Asia-Pacific Journal of Atmospheric Sciences	2010-	

Title	Electronic access	Print holdings
Astronomy & Geophysics	1960-1996; 2000-	
Astrophysical Journal	1895-	1895-
Atmospheric and Oceanic Optics	2009-	
Atmospheric Chemistry and Physics	2001-	
Atmospheric Chemistry and Physics Discussions	2001-	
Atmospheric Environment	1994-	
Atmospheric Measurement Techniques	2008-	
Atmospheric Measurement Techniques Discussions	2008-	
Atmospheric Research	1986-	
Atmospheric Science Letters	2000-	
Australian Journal of Earth Sciences	1953-	1984-2005
Basin Research	1997-	1988-1995
Biochemical Journal	1906-	
Biochemical Society Transactions		1973-
Biochemistry	2000-	
Biofouling	1988-	
Biogeochemistry	1984-	
Biology Letters	2005-	2005-2006
Biometals	1988-	
Bioresource Technology	1981-	
Bioscience, Biotechnology, and Biochemistry	1986-	1992-
Biotechnology and Bioengineering	1959-	
Biotechnology Journal	2006-	

Title	Electronic access	Print holdings
Biotechnology Letters	1979-	
BMC Microbiology	2001-	
Boreas	1972-	
Boundary-Layer Meteorology	1970-	
Brazilian Journal of Microbiology	1998-	
Brazilian Journal of Oceanography	2004-	
Bulletin of Earthquake Engineering	2003-	
Bulletin of Engineering Geology and the Environment	1970-	
Bulletin of Environmental Contamination and Toxicology	1966-	
Bulletin of Geosciences	2003-	
Bulletin of the American Meteorological Society	1970-	1971-1994
Bulletin of Volcanology	1937-	
Canadian Geotechnical Journal		1965-
Canadian Journal of Earth Sciences		1964-
Canadian Journal of Microbiology	1996-	1954-1997
Canadian Journal of Soil Science	1957-	
Canadian Mineralogist	2000-	1957-2008
Carbon Management	2010-	
Carbonates and Evaporites	1986-	
Carpathian Journal of Earth and Environmental Sciences	2006-	
Catena	1973-	
Central European Journal of Geosciences	2011-	
Chemical and Petroleum Engineering	1965-	
Chemical Communications	1996-	1996-

Title	Electronic access	Print holdings
Chemical Geology	1966-	1983-1992 (imperfect)
Chemical Physics Letters	1967-	
Chemie der Erde - Geochemistry	2002-	
Chemistry - A European Journal	1995-	
Chemosphere	1972-	
Chinese Journal of Geochemistry	1982-	
Chromatographia	1968-	1986-1988
Clay Minerals	1998-	1965-2006
Clays and Clay Minerals	2002-	1976-
Climate Dynamics	1986-	
Climatic Change	1977-	
Cold Regions Science and Technology	1979-	
Communications in Soil Science and Plant Analysis	1970-	
Comptes Rendus Chimie	1998-	
Comptes Rendus Geoscience	1997-	
Comptes Rendus Palevol	1997-	
Computational Geosciences	1997-	
Computers and Geosciences	1975-	
Computers and Geotechnics	1985-	
Concepts in Magnetic Resonance: Part A, Bridging Education and Research	1989-	
Concepts in Magnetic Resonance: Part B, Magnetic Resonance Engineering	1989-	
Continental Shelf Research	1982-	

Title	Electronic access	Print holdings
Contributions to Mineralogy and Petrology	1947-	
Coordination Chemistry Reviews	1966-	
Cretaceous Research	1980-	
Critical Reviews in Environmental Science and Technology	1970-	
Crystallography Reports	2000-	
CrystEngComm	1994-	
Current Biology	1991-	
Current Microbiology	1978-	
Current Opinion in Biotechnology	1990-	1994-2007
Current Opinion in Microbiology	1998-	1998-2007
Dalton Transactions	1972-	
Deep Sea Research Part I: Oceanographic Research Papers	1979-	
Deep Sea Research Part II: Topical Studies in Oceanography	1979-	
Dental Materials	1985-	
Disasters	1997-	
Doklady Earth Sciences	2006-	
Dyes and Pigments	1980-	
Dynamics of Atmospheres and Oceans	1976-	
Earth and Environmental Science Transactions of the Royal Society of Edinburgh	2001-	
Earth and Planetary Science Letters	1966-	
Earth Science Informatics	2008-	
Earth Sciences Research Journal	2004-	
Earth Surface Processes and Landforms	1976-	

Title	Electronic access	Print holdings
Earth, Moon, and Planets	1969-	
Earthquake Science	2009-	
Earth-Science Reviews	1966-	
Ecological Economics	1989-	
Ecological Monographs	1931-	
Ecology	1920-	
Economic Geology and the Bulletin of the Society of Economic Geologists		1905-
Ecotoxicology	1992-	
Electronic Journal of Geotechnical Engineering	1996-	
Elements		2006-
Empirical Economics	1976-	
Energy and Buildings	1977-	
Energy and Environmental Science	2008-	
Energy Conversion and Management	1968-	
Energy Policy	1973-	1973-1984
Engineering Geology	1965-	
Environment	1988-	
Environment International	1978-	
Environment, Development and Sustainability	1999-	
Environmental Chemistry		1975-1984
Environmental Chemistry Letters	2003-	
Environmental Earth Sciences	2009-	
Environmental Fluid Mechanics	2001-	

Title	Electronic access	Print holdings
Environmental Geochemistry and Health	1979-	
Environmental Geology	1975-	
Environmental Impact Assessment Review	1980-	1980-2001
Environmental Microbiology	1999-	
Environmental Microbiology Reports	2009-	
Environmental Modeling & Assessment	1996-	
Environmental Modelling & Software	1986-	
Environmental Monitoring and Assessment	1981-	
Environmental Pollution	1970-	
Environmental Practice	2002-	
Environmental Progress and Sustainable Energy	1982-	
Environmental Research	1993-	
Environmental Research Letters	2006-	
Environmental Science and Pollution Research International	1994-	
Environmental Science & Technology	1996-	
Environmental Technology	1980-	1993-2006
Environmental Toxicology	1999-	
Enzyme and Microbial Technology	1979-	
Eos, Transactions, American Geophysical Union		1969-
Epilepsia	1997-	
Estonian Journal of Earth Sciences	2006-	
Eurasian Soil Science	2006-	
European Journal of Applied Microbiology and Biotechnology	1975-	
European Journal of Biochemistry	1967-	

Title	Electronic access	Print holdings
European Journal of Mineralogy	2001-	1989-2007
European Journal of Soil Biology	1998-	
European Journal of Soil Science	1997-	
Experimental Astronomy	1989-	
Facies	1979-	
Faraday Discussions	1947-	
FEMS Microbiology Reviews	1985-	
Folia Microbiologica		1970-1995
Forest Ecology and Management	1976-	
Forest Policy and Economics	2000-	
Frontiers of Earth Science	2007-	
Frontiers of Environmental Science & Engineering in China	2007-	
Fuel	1970-	1922-1969
GeoArabia		1996-
Geoarchaeology	1986-	
Geobiology	2003-	
Geobios	1968-	
Geocarto International	1986-	
Geochemical Journal	1966-	
Geochemical Transactions	2000-	
Geochemistry International	2006-	1964-2007
Geochemistry, Geophysics, Geosystems	1999-	
Geochemistry: Exploration, Environment, Analysis	2001-	
Geochimica et Cosmochimica Acta	1950-	

Title	Electronic access	Print holdings
Geochronometria	2000-	
Geoderma	1967-	
Geodiversitas	2000-	
Geofísica internacional	1997-	
Geofluids	2001-	
Geoforum	1970-	
Geografiska Annaler Series A: Physical Geography	1965-	1961; 1971-1972; 1975-1992
Geological Journal	1951-	
Geological Magazine	1864-	1864-2003
Geological Society of America Bulletin	1945-	1961-2005
Geological Society of America, Memoir		1934- (imperfect)
Geological Society, London, Engineering Geology Special Publications	1986-	
Geological Society of London, Memoirs	1958-	
Geological Society of London, Petroleum Geology Conference Series	1993-	
Geological Society of London, Special Publications	1964-	
Geology	1973-	1991-2005
Geology of Ore Deposits	2006-	
Geology Today	1997-	
Geo-Marine Letters	1981-	
Geomicrobiology Journal	1978-	
Geomorphology	1987-	

Title	Electronic access	Print holdings
Geophysical and Astrophysical Fluid Dynamics	1970-	
Geophysical Journal International	1997-	
Geophysical Prospecting	1953-	
Geophysical Research Letters	1974-	1974-1993
Geophysics	1936-	
Geosciences Journal	1997-	
Geostandards and Geoanalytical Research	1977-	
Geostandards Newsletter	1977-	
Geotechnical and Geological Engineering	1983-	
Geotechnical, Geological, and Earthquake Engineering	2006- (imperfect)	
Géotechnique		1948-2000
Geotechnologies and the Environment	2009- (imperfect)	
Geotectonics	2006-	
Geotextiles and Geomembranes	1984-	
Geothermics	1972-	
GFF	1997-	
Global and Planetary Change	1989-	
Global Biogeochemical Cycles	1987-	
Global Change Biology	1995-	
Global Environmental Change	1990-	
Gondwana Research	1997-	
Ground Water	1963-	1979-1986 (imperfect)

Title	Electronic access	Print holdings
Ground Water Monitoring & Remediation	1981-	
Grundwasser	1996-	
GSA Today	1995-	
High Pressure Research	1988-	
Historical Biology	1988-	1989-1990
Holocene	1999-	
Hydrogeology Journal	1992-	
Hydrological Processes	1986-	
Hydrological Sciences Journal	1956-	1972-2002
Hydrology and Earth System Sciences Discussions	2004-	
Hydrology Research	1970-	
Hydrometallurgy	1975-	
Hyperfine Interactions	1975-	
Icarus	1962-	
ICES Journal of Marine Science	1926-	
IEEE Geoscience and Remote Sensing Letters	2004-	
IEEE Journal of Oceanic Engineering	1976-	
IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing	2008-	
Indian Journal of Microbiology	2007-	
Inorganic Chemistry	1996-	
Inorganica Chimica Acta	1967-	
Instruments and Experimental Techniques	2000-	1971-1990
International Journal of Astrobiology	2002-	

Title	Electronic access	Print holdings
International Journal of Biometeorology	1957-	
International Journal of Chemical Kinetics	1969-	
International Journal of Climatology	1981-	
International Journal of Coal Geology	1980-	
International Journal of Earth Sciences	1910-	
International Journal of Environmental Analytical Chemistry	1971-	
International Journal of Environmental Science and Technology	2004-	
International Journal of Greenhouse Gas Control	2007-	
International Journal of Mass Spectrometry	1968-	
International Journal of Mineral Processing	1974-	
International Journal of Minerals, Metallurgy, and Materials	2010-	
International Journal of Mining, Reclamation and Environment	1997-	
International Journal of Oceanography	2009-	
International Journal of Pharmaceutics	1978-	
International Journal of Rock Mechanics and Mining Sciences	1964-	
International Journal of Sediment Research	2008-	
International Journal of Sustainable Development and World Ecology	1994-	
International Journal of Water Resources Development	1983-	
Internet Journal of Microbiology	2004-	
Iranian Journal of Microbiology	2009-	
Irish Journal of Earth Sciences	1978-	1984-2008
Island Arc	1997-	
Isotopes in Environmental and Health Studies	1965-	

Title	Electronic access	Print holdings
ISPRS Journal of Photogrammetry and Remote Sensing	1938-	
Izvestiya Atmospheric and Oceanic Physics	2006-	
Izvestiya, Physics of the Solid Earth	2006-	
Jiban Kogaku Janaru (Japanese Geotechnical Journal)	2006-	
Journal of Aerosol Science	1970-	
Journal of African Earth Sciences	1983-	
Journal of Agricultural Economics	1928-	1954-2001
Journal of Alloys and Compounds	1959-	
Journal of Analytical Atomic Spectrometry	1971-1984; 1986-	
Journal of Analytical Chemistry	2000-	
Journal of Applied Crystallography	1968-	
Journal of Applied Ecology	1964-	
Journal of Applied Economics	1998-	
Journal of Applied Geophysics	1963-	
Journal of Applied Microbiology	1938-	
Journal of Applied Remote Sensing	2007-	
Journal of Applied Spectroscopy	1965-	
Journal of Archaeological Science	1974-	
Journal of Asian Earth Sciences	1986-	
Journal of Atmospheric and Ocean Technology	1984-	
Journal of Atmospheric and Solar-Terrestrial Physics	1950-	
Journal of Atmospheric Chemistry	1983-	
Journal of Bacteriology	1916-	

Title	Electronic access	Print holdings
Journal of Basic Microbiology	1960-	
Journal of Biological Chemistry	1905-	
Journal of Biological Inorganic Chemistry	1996-	
Journal of Biomechanics	1968-	
Journal of Canadian Petroleum Technology	1962-	
Journal of Chemical Crystallography	1971-	
Journal of Chemical Thermodynamics	1969-	
Journal of Chromatography A	1958-	
Journal of Coal Science and Engineering (China)	2008-	
Journal of Coastal Research	1985-	
Journal of Colloid and Interface Science	1946-	
Journal of Contaminant Hydrology	1986-	
Journal of Earth Science	2008-	
Journal of Earth System Science	1997-	
Journal of Earthquake Engineering	1997-	
Journal of Ecology	1913-	
Journal of Electroanalytical Chemistry	1959-	
Journal of Electron Microscopy	1953-	
Journal of Electron Spectroscopy and Related Phenomena	1973-	
Journal of Environmental Monitoring	1999-	
Journal of Environmental Planning and Management	1966-	1992-
Journal of Environmental Quality	1972-	
Journal of Environmental Radioactivity	1984-	

Title	Electronic access	Print holdings
Journal of Environmental Science and Health, Part A: Toxic/Hazardous Substances & Environmental Engineering	1997-	
Journal of Environmental Sciences	2006-	
Journal of Environmental Studies and Sciences	2011-	
Journal of Fluid Mechanics	1956-	
Journal of Geochemical Exploration	1972-	
Journal of Geodesy	1924-	
Journal of Geodynamics	1984-	
Journal of Geological Research	2009-	
Journal of Geophysical Research	1996-	1949-2003
Journal of Geophysical Research - Atmospheres	1984-	
Journal of Geophysical Research - Biogeosciences	2005-	
Journal of Geophysical Research - Earth Surface	2003-	
Journal of Geophysical Research - Oceans	1978-	
Journal of Geophysical Research - Planets	1991-	
Journal of Geophysical Research - Solid Earth	1978-	
Journal of Geophysical Research - Space Physics	1978-	
Journal of Geophysics and Engineering	2004-	
Journal of Geoscience Education	1979- (embargo on latest year)	
Journal of Geotechnical and Geoenvironmental Engineering	1983-	1905-1982
Journal of Glaciology	1949-	1947-
Journal of Hydrology	1963-	

Title	Electronic access	Print holdings
Journal of Industrial Microbiology and Biotechnology	1986-	
Journal of Inorganic Biochemistry	1971/2-	
Journal of Integrative Environmental Sciences	2004-	
Journal of International Development	1996-	
Journal of Investigative Dermatology	1938-	1965-2005
Journal of Magnetism and Magnetic Materials	1975-	
Journal of Maps	2005-	
Journal of Marine Systems	1990-	
Journal of Mass Spectrometry	1968-	
Journal of Materials Chemistry	1991-	
Journal of Metamorphic Geology	1983-	
Journal of Microbial & Biochemical Technology	2009-	
Journal of Microbiological Methods	1983-	
Journal of Microbiology	2008-	
Journal of Microbiology and Biotechnology	1991-	
Journal of Micropalaeontology	1982-	
Journal of Microscopy	1997-	
Journal of Mineralogical and Petrological Sciences	1929-	
Journal of Mining Science	1965-	
Journal of Molecular Biology	1959-	
Journal of Molecular Microbiology and Biotechnology	2003-	
Journal of Molecular Spectroscopy	1957-	
Journal of Mountain Science	2004-	
Journal of Nuclear Materials	1959-	

Title	Electronic access	Print holdings
Journal of Nuclear Science and Technology	1964-	
Journal of Oceanography	1970-	
Journal of Oceanography and Marine Science	2010-	
Journal of Paleolimnology	1988-	
Journal of Paleontology	1927-	
Journal of Petroleum Geology	1978-	
Journal of Petroleum Science and Engineering	1987-	
Journal of Petrology	1960-	
Journal of Photochemistry and Photobiology A - Chemistry	1972-	
Journal of Physical Chemistry A	1997-	
Journal of Physical Chemistry B	1997-	
Journal of Physics and Chemistry of Solids	1956-	
Journal of Physics: Condensed Matter	1989-	
Journal of Plant Nutrition and Soil Science / Zeitschrift für Pflanzenernährung und Bodenkunde	1922-	
Journal of Productivity Analysis	1989-	
Journal of Quantitative Spectroscopy & Radiative Transfer	1961-	
Journal of Quaternary Science	1986-	
Journal of Radioanalytical and Nuclear Chemistry	1968-	
Journal of Radiological Protection	1988-	
Journal of Raman Spectroscopy	1973-	
Journal of Sedimentary Research	1923-	
Journal of Seismology	1997-	
Journal of Soil Science and Environmental Management	2010-	

Title	Electronic access	Print holdings
Journal of Soils and Sediments	2001-	
Journal of Solid State Chemistry	1969-	
Journal of South American Earth Sciences	1988-	
Journal of Structural Geology	1979-	
Journal of Surface Investigation. X-ray, Synchrotron and Neutron Techniques	2007-	
Journal of Synchrotron Radiation	1994-	
Journal of Systematic Palaeontology	2003-	
Journal of the American Chemical Society	1879-	
Journal of the American Society for Mass Spectrometry	1990-	
Journal of the Atmospheric Sciences	1944-	
Journal of the Chemical Society	1849-	
Journal of the Electrochemical Society	1931-	
Journal of the Geological Society	1845-	
Journal of the Geological Society of India	2009-	
Journal of the Geological Society of Japan	1893-	
Journal of the Mass Spectrometry Society of Japan	1953-	
Journal of Toxicology and Environmental Health Sciences	2009-	
Journal of Turbulence	2000-	
Journal of Vascular Research	1998-	1998-2004
Journal of Vertebrate Paleontology	1981-	
Journal of Volcanology and Geothermal Research	1976-	
Journal of Volcanology and Seismology	2007-	
Journal of Water and Environment Technology	2003-	

Title	Electronic access	Print holdings
Journal of Water Chemistry and Technology	2007-	
Journal of Zhejiang University - Science A	2000-	
Land Degradation and Development	1989-	
Landscape Ecology	1987-	
Landslides	2004-	
Lethaia	1968-	
Letters in Applied Microbiology	1985-	
Limnology	2000-	
Lithology and Mineral Resources	2000-	
Lithos	1968-	
Marine and Petroleum Geology	1984-	
Marine Chemistry	1972/3-	
Marine Geodesy	1997-	
Marine Geology	1964-	
Marine Geophysical Researches	1970-	
Marine Georesources and Geotechnology	1997-	
Marine Micropaleontology	1976-	
Marine Pollution Bulletin	1970-	
Mass Spectrometry Reviews	1982-	
Materials Science Forum	2007-	
Mathematical Geosciences	1969-	
Measurement Science & Technology	1990-	
Meteoritics	1996-2007	
Meteoritics and Planetary Science	1996-	

Title	Electronic access	Print holdings
Meteoritics & Planetary Science	1997-	
Meteorological Applications	1994-	
Meteorology and Atmospheric Physics	1948-	
Metrologia	1965-	
Microbial Biotechnology	2008-	
Microbial Ecology	1974-	
Microbiological Research	2001-	
Microbiology	1947-	1947-1996
Microbiology and Molecular Biology Reviews	1937-	
Microbiology Monographs	2006-	
Microbiology Research	2009-	
Mine Water and the Environment	1982-	
Mineral Planning		1986-
Mineralium Deposita	1966-	
Mineralogia	2008-	
Mineralogical Magazine	1998-	1876-2006
Mineralogy and Petrology	1948-	
Minerals Engineering	1988-	
Molecular Biotechnology	1994-	
Molecular Microbiology	1987-	
Monthly Weather Review	1872-	
Moscow University Geology Bulletin	2007-	
Moscow University Soil Science Bulletin	2007-	
Mycological Research	1986-	

Title	Electronic access	Print holdings
Nano Research	2008-	
Nanotechnology	1990-	
Natural Hazards	1988-	
Natural Hazards and Earth System Sciences	2001-	
Natural Resources Research	1992-	
Nature	1950-	1869-2008
Nature Biotechnology	1983-	
Nature Geoscience	2008-	
Nature Reviews Microbiology	2003-	
Naturwissenschaften	1913-	1916-1995
Netherlands Journal of Geosciences	1997-	
Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen	2007-	1950-2008
Neues Jahrbuch für Mineralogie - Abhandlungen	2001/2-	1881-1950
New Journal of Physics	1999-	
New Phytologist	1902-	
New Scientist	1989-	1956-
New Zealand Journal of Geology and Geophysics	1991-	1958-90
Nondestructive Testing and Evaluation	1984-	
Nonlinear Processes in Geophysics	1994-	
Norsk Geologisk Tidsskrift	1999-2000	1946-
Norwegian Journal of Geology	2003-	
Nuclear Instruments & Methods in Physics Research Section A- Accelerators	1957-	

Title	Electronic access	Print holdings
Nuclear Instruments & Methods in Physics Research Section B-Beam Interactions with Materials and Atoms	1984-	
Nuclear Physics News	1990-	
Nuclear Technology	1998-	
Nutrient Cycling in Agroecosystems	1980-	
Ocean Dynamics	1948-	
Ocean Science Journal	2005-	
Oceanologia	1999-	
Oceanological and Hydrobiological Studies	2011-	
Oceanology	2006-	
Oecologia	1968-	
Oikos	1940-	
Open Environmental Sciences	2007-	
Open Microbiology Journal	2007-	
Optics and Spectroscopy	2000-	1959-61
Optics Communications	1969-	
Optics Letters	1987-	
Ore Geology Reviews	1986-	
Organic Geochemistry	1979-	
Palaeobiodiversity and Palaeoenvironments	1996-	
Palaeogeography, Palaeoclimatology, Palaeoecology	1965-	
Palaeontographica - Abteilung B: Paläophytologie		1980-
Palaeontographical Society Monographs		1848- (imperfect)

Title	Electronic access	Print holdings
Palaeontologia Electronica	1998-	
Palaeontology	1999-	1957-
Palaios	1986-	
Paläontologische Zeitschrift: Wissenschaft	1913-	1913-2009
Paleobiology	1975-	
Paleoceanography	1996-	
Paleontological Journal	2006-	
Palynology	1977-	
Pedobiologia	2000-	1967-1990
Pedosphere	2006-	
Permafrost and Periglacial Processes	1990-	
Petroleum Chemistry	2006-	
Petroleum Geoscience	1995-	2003-
Petroleum Science	2007-	
Petrology	2006-	
Phase Transitions	1979/80-	
Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences	1665-	
Philosophical Transactions of the Royal Society B: Biological Sciences	1665 -	
Photochemical & Photobiological Sciences	2002-	
Photochemistry and Photobiology	1962-	1962-2002
Photogrammetric Record	1953-	
Physica B	1934-	

Title	Electronic access	Print holdings
Physical Chemistry Chemical Physics	1999-	
Physical Oceanography	1987-	
Physical Review B: Condensed Matter and Materials Physics	1893-	
Physical Review C	1893-	
Physics and Chemistry of Minerals	1977-	
Physics and Chemistry of the Earth	1956-	
Physics of the Earth and Planetary Interiors	1967-	
Physics World		1989-
Plant and Soil	1948-	
PLoS ONE	2006-	
Polar Biology	1982-	
Polar Record	1988-	1931-2003
Polar Research	1982-	
Polish Journal of Soil Science	2005-	
Polyhedron	1982-	
Precambrian Research	1974-	
Proceedings of the Geologists' Association	1859-	1859-
Proceedings of the Institution of Civil Engineers: Geotechnical Engineering	1997-	
Proceedings of the Institution of Civil Engineers: Waste and Resource Management.	2006-	
Proceedings of the National Academy of Sciences of the United States of America	1915-	
Proceedings of the Royal Society B: Biological Sciences	1854-	
Proceedings of the Ussher Society		1988/91-

Title	Electronic access	Print holdings
Proceedings of the Yorkshire Geological Society	1839-	1871-
Professional Engineering	1997-	1988-1996
Progress in Biophysics and Molecular Biology	1963-	1950-1962
Progress in Oceanography	1963-	
Progress in Physical Geography	1999-	1977-
Progress in Soil Science	2010-	
Protein Engineering Design and Selection	1986-	
Public Choice	1966-	
Pure and Applied Geophysics	1939-	
Quarterly Journal of Engineering, Geology and Hydrogeology	1967-	
Quarterly Journal of the Royal Meteorological Society	1873-	
Quaternary Geochronology	2006-	
Quaternary International	1989-	
Quaternary Research	1970-	
Quaternary Science Reviews	1982-	
Radiation Physics and Chemistry	1969-	
Radiation Protection Dosimetry	1981-	
Radio Science	1969-	1966-69
Radiocarbon	1959-	1959-90
Radiochemistry	2001-	
Radiochimica Acta	2000-	1966-95
Rapid Communications in Mass Spectrometry	1987-	
Regional Environmental Change	1999-	
Remote Sensing Letters	2010-	

Title	Electronic access	Print holdings
Remote Sensing of Environment	1969-	
Research in Microbiology	1983-	
Research Journal of Earth Sciences	2009-	
Research Journal of Environmental and Earth Sciences	2009-	
Research Journal of Soil and Water Management	2010-	
Resource Geology	1998-	
Review of Palaeobotany and Palynology	1967-	
Review of Scientific Instruments	1930-	
Reviews in Environmental Science and Bio/Technology	2002-	
Reviews of Environmental Contamination and Toxicology	2003-	
Reviews of Geophysics	1963-	
Revista Brasileira de Ciência do Solo	2003-	
Revista Geológica de Chile	1998-	
Rheologica Acta	1958-	
River Research and Applications	1987-	
Rock Mechanics and Rock Engineering	1969-	
Russian Geology and Geophysics	2007-	
Russian Journal of Pacific Geology	2007-	
Russian Meteorology and Hydrology	2007-	
Science	1880-	2006-
Science in China Series D-Earth Sciences	1997-	
Science of the Total Environment	1972-	
Scientific American	2005-	1955-
Scottish Journal of Geology	1965-	1965-

Title	Electronic access	Print holdings
Sedimentary Geology	1967-	
Sedimentology	1962-	
Seismic Instruments	2007-	
Sensors and Actuators A-Physical	1981-	
Sensors and Actuators B-Chemical	1990-	
Separation Science and Technology	1966-	
Soil and Sediment Contamination	1997-	
Soil Biology and Biochemistry	1969-	
Soil Dynamics and Earthquake Engineering	1986-	
Soil Mechanics and Foundation Engineering	1964-	
Soil Science	1916-	
Soil Science and Plant Nutrition	2005-	
Soil Science Society of America Journal	2000-	1984-2008
Soils and Foundations	1960-	
Soil and Tillage Research	1980-	
Soil Use and Management	1985-	
Solar System Research	2000-	1971-1982
Space Science Reviews	1962-	
SPE Drilling & Completion	1986-	
SPE Economics & Management	2009-	
SPE Journal	1961-1985; 1996-	
SPE Journal of Petroleum Technology	1952-	
SPE Production & Operations	1993-	

Title	Electronic access	Print holdings
SPE Projects, Facilities & Construction	2006-	
SPE Reservoir Evaluation & Engineering	1986-	
Spectrochimica Acta Part A-Molecular and Biomolecular Spectroscopy	1941-	
Spectrochimica Acta Part B: Atomic Spectroscopy	1941-	
Spectroscopy	2002-	
Spectroscopy Letters	1968-	
Stochastic Environmental Research and Risk Assessment	1987-	
Stratigraphy	2004-2005	
Stratigraphy and Geological Correlation	2006-	
Studia Geophysica et Geodaetica	1957-	
Surface Coatings International Part B-Coatings Transactions		1918-
Surface Science	1964-	
Surface Science Spectra	1992-	
Survey Review	1931-	1963-96
Surveys in Geophysics	1972-	
Sustainability Science	2006-	
Swiss Journal of Geosciences	2004-	1881-1908; 1979-95
Swiss Journal of Geosciences Supplement		
Swiss Journal of Paleontology	2011-	
Systematic and Applied Microbiology	2001-	
Technology Analysis & Strategic Management	1989-	
Tectonics	1996-	1987-93

Title	Electronic access	Print holdings
Tectonophysics	1964-	
Tellus Series A-Dynamic Meteorology and Oceanography	1949-	
Tellus Series B Chemical and Physical Meteorology	1949-	
Terra Nova	1989-	
The Aeronautical Journal	2003-	1918-2007
The Analyst	1876-	
The Environmentalist	1981-	
The International Journal of Meteorology		1978-
The Journal of Geology	1893-	1893-1997
The Journal of General and Applied Microbiology	1955-	
The Journal of Microbiology	2008-	
The Open Atmospheric Science Journal	2007-	
The Open Biotechnology Journal	2007-	
The Open Environmental & Biological Monitoring Journal	2008-	
The Open Environmental Engineering Journal	2008-	
The Open Environmental Pollution & Toxicology Journal	2009-	
The Open Geology Journal	2007-	
The Open Hydrology Journal	2007-	
The Open Microbiology Journal	2007-	
The Open Mineralogy Journal	2007-	
The Open Oceanography Journal	2007-	
The Open Paleontology Journal	2008-	
The Open Remote Sensing Journal	2008-	
The Open Waste Management Journal	2008-	

Title	Electronic access	Print holdings
The Science of the Total Environment	1972-	
Theoretical and Applied Climatology	1948-	
Toxicological Sciences	1981-	
Transactions of the Geological Society of London	1811-1856	
Transactions of the Institute of Metal Finishing	2005-	1960-88
Transactions of the Institution of Mining and Metallurgy, Section B- Applied Earth Science	2000-	1892-2005
Transactions of the Royal Society of South Africa	1997-	1915-1967
Transport Policy	1993-	
Trends in Microbiology	1993-	2000-
Turkish Journal of Earth Sciences	1998-	
Vegetation History and Archaeobotany	1992-	
Veterinary Journal	1984-	
Vibrational Spectroscopy	1990-	
Waste Management	1980-	
Waste Management and Research	1983-	
Water Air and Soil Pollution	1971-	
Water and Environment Journal	1987-	
Water International	1997-	
Water Quality, Exposure and Health	2009-	
Water Research	1967-	
Water Resources	1965-	
Water Resources Management	1987-	
Water Resources Research	1965-	

Title	Electronic access	Print holdings
Water Science and Technology	1971-	
Water, Air and Soil Pollution	1971-	
Water, Air, & Soil Pollution: Focus	2001-2009	
Weather	2002-	1946-
Wetlands	1997-	
World Development	1973-	
World Journal of Microbiology and Biotechnology	1985-	
X-Ray Spectrometry	1972-	
Zeitschrift für Geomorphologie	2007-	1926-2008
Zeitschrift für Gletscherkunde und Glazialgeologie		1978-
Zeitschrift für Kristallographie	1954-	1877-2004
Zeitschrift für Kristallographie - New Crystal Structures		1999-

Appendix 4: Non-journal subscriptions

Bibliographic databases

[GeoRef](#)

[Geobase](#)

[ISI Web of Science with Conference Proceedings](#)

[Environmental Sciences and Pollution Management](#)

[SciFinder Scholar](#)

[Scopus](#)

[Aqualine](#)

[ASFA: Aquatic Sciences and Fisheries Abstracts](#)

[Biological Sciences](#)

[Biosis Previews](#)

[CAB Abstracts](#)

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[Treatise on Geochemistry](#)

[Encyclopedia of Energy](#)

[Encyclopedia of Materials: Science and Technology](#)

[Encyclopedia of Ocean Sciences](#)

[Encyclopedia of Physical Science and Technology](#)

[Encyclopedia of Soils in the Environment](#)

[Encyclopedia of Spectroscopy and Spectrometry](#)

[Landolt-Börnstein](#)

[NetLibrary](#)

[Occupational Health and Safety Information Service](#)

[Oxford Reference Online](#)

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[Referex Engineering](#)

[Safari Books Online](#)

[Westlaw](#)