

CURRICULUM VITAE: PAUL MYROW

Department of Geology  
The Colorado College  
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EDUCATION

Doctor of Philosophy, Earth Science, 1987, Memorial University of Newfoundland, St. John's, Newfoundland.

Thesis Title: Sedimentology and depositional history of the Chapel Island Formation [late Precambrian—Early Cambrian], southeast Newfoundland.

Master of Science, Geology, 1983, The University of Vermont, Burlington, Vermont.

Thesis Title: Paleoenvironmental analysis of the Cheshire Formation, west central Vermont

Bachelor of Science, Geology, 1980, Colgate University, Hamilton, New York.

WORK EXPERIENCE

9/00-Present Full Professor of Geology, The Colorado College. Responsible for the following courses: Sedimentation and Stratigraphy, Invertebrate Paleontology, Historical Geology, Sedimentary Petrology, Historical Geology, Introductory Geology, Oceanography, Natural Science, Regional Geology, Marine Geology.

9/93-9/00 Associate Professor of Geology,

9/87-9/93 Assistant Professor of Geology, The Colorado College.

3/91 Crosby Lecturer, Massachusetts Institute of Technology. Visiting Scholar for graduate-level field class aimed at stratigraphic and sedimentological analysis of mixed siliclastic-carbonate Pennsylvanian units in southern Nevada.

6/89 Instructor at Northern Arizona University summer field geology course. A ten day period of instruction included field lectures/discussions, measuring of stratigraphic sections, and detailed measurement and description of sedimentary structures.

7/88-8/88 Geological Consultant and Researcher, Geological Association of Canada Research Field Party, Bathurst Inlet, Northwest Territories. Investigation of the sedimentology and stratigraphy of Precambrian (1.9 Ga) foreland basin deposits: Bear Creek Group, Tinney Hills area of the Kilohigok Basin.

9/83-5/86 Laboratory Demonstrator for courses in Crystallography, Optical Mineralogy, and Advanced Sedimentology. Memorial University, St. John's, Newfoundland.

9/80-1/83 Graduate Teaching Fellow, The University of Vermont, Burlington, Vermont. Responsible for creating, organizing, and grading introductory geology laboratories and field trips. Stipend and tuition remission provided.

## GRANTS

National Science Foundation, R.U.I. Geology and Paleontology Division, Principle Investigator, \$162,272, 3 Year Award: " Collaborative Research: Stratigraphic test of the tectonic assembly of equatorial peri-Gondwanaland: A Himalayan perspective", proposal pending.

National Science Foundation, R.U.I. Geology and Paleontology Division, Principle Investigator, \$53,987, 2 Year Award: " Collaborative Research: High-Density Combined Flows and Bedforms", 2003-2005.

National Science Foundation, R.U.I. Paleontology/Stratigraphy Research Grant, Principle Investigator, \$114,987, 3 Year Award: " Collaborative Research: The Neoproterozoic and Cambrian of the Tethyan Himalaya: a Test of Core Gondwanan Construction", 2000-2003.

[Informal Co-Investigator] National Science Foundation, Structure and Tectonics Research Grant, \$280,260, 3 Year Award: "Structure and Sedimentology of the Beardmore Group, Antarctica: Latest Neoproterozoic to early Paleozoic Tectonic Evolution of the East Antarctic Margin", PI Dr. John Goodge, SMU, 1998-2001.

National Science Foundation, R.U.I. Paleontology/Stratigraphy Research Grant, Principle Investigator, \$71,200, 3 Year Award: "Collaborative Research: Integrated Stratigraphic Study of Cambrian–Ordovician Inner Shelf Facies of the Western United States", 1999-2002.

National Science Foundation, R.U.I. Paleontology/Stratigraphy Research Grant, Principle Investigator, \$90,800, 2 Year Award (extended to 3 yrs): "Integrated Stratigraphic and Sedimentological Analysis of the Cambro-Ordovician Inner Shelf, Colorado", 1995-1998.

American Chemical Society Petroleum Research Fund, \$24,450 two-year award: "Cambrian Tidal Sand Waves: Geometry, Sediment Dynamics and Reservoir Potential", 1994 — 1996.

Union Pacific Resources Company, \$2,100: "Cambrian Tidal Sandwaves", September, 1994.

American Chemical Society Petroleum Research Fund, \$18,000 two-year award: "Sedimentology of the Lower Paleozoic of Central Colorado", June, 1990 — September, 1993.

National Science Foundation, E.A.R., Paleontology/Stratigraphy Research Grant, Co-Investigator, \$90,000, 3 Year Award: "Basin Evolution and Biostratigraphy of the Lower and Middle Cambrian, Avalonian North America". Principle Investigator Ed Landing, New York State Paleontologist, New York State Survey, 1989-1991.

Mellon Research Grant, The Colorado College, One-month release time, several awards 1988-2002.

Research and Development Grants, up to \$2,900/yr, The Colorado College, Support for field work, laboratory work, and travel: 1987-2002.

Geological Society of America Research Scholarship, 1982.

### AWARDS

The John D. and Catherine T. MacArthur Professorship at Colorado College, 1990-1992. Position includes release time, summer salary, equipment purchases, travel expenses, publication costs, and research assistance.

Best Paper Award for the Journal of Paleontology, 1989, presented by the Paleontological Society Council for "The Placentian Series: appearance of the oldest skeletalized faunas in southeastern Newfoundland" by Landing, E., Myrow, P., Benus, A., and Narbonne, G.

Graduate School Scholarship, Memorial University of Newfoundland, 1983-1986.

Sealand Helicopter Ltd. Scholarships, 1983 and 1984.

Graduate Teaching Fellowship, The University of Vermont, 1980-1983.

### INVITED LECTURES

"The record of ancient storms: an example from the Pennsylvanian Fountain Formation of central Colorado". University of Northern Colorado, Greeley, CO, November 11, 2005.

"Gondwanan Assemblage: Views from Antarctica and the Himalayas: An integrated stratigraphic, paleontologic, and geochronologic approach" Yale University, New Haven, CT, September 29, 2004.

"A fault-bounded depositional basin in central Colorado", Colorado Scientific Society, Golden, CO, September 16, 2004.

"Paleogeography and high-resolution stratigraphy of Cambrian and Ordovician strata of the Rocky Mountain region". Rocky Mountain Section, SEPM, Denver, CO, January 27, 2004.

"Early Paleozoic Paleogeography of the Rocky Mountain Region: Myths concerning the birth of the Transcontinental Arch". University of Missouri, Columbia, March 21, 2003.

"Fallen Arches: Myths Concerning the Early Paleozoic Paleogeography of the Rocky Mountain Region". Arizona State University, November 13, 2002.

"Neoproterozoic to Cambrian history of the Transantarctics: Rodinian Breakup to Gondwanan Assembly". University of New Mexico, March 26, 2002.

"Cambrian of Antarctica: Depositional Record of Gondwanan Assembly". Colgate University, February 15, 2001.

"Wave-modified turbidites from the Cambrian of Antarctica: Evolving views on storm deposition by Oceanographers and Geologists": Lamont Doherty Earth Observatory, Columbia University, January, 2001.

"Wave-modified turbidites and the production of combined-flow structures": Massachusetts Institute of Technology, October, 2000.

"Depositional and tectonic history of the Avalon Terrain of Newfoundland": Department of Geology, Southern Methodist University, September, 1998.

"Sequence stratigraphy, carbon isotope stratigraphy, and biostratigraphy of Cambrian-Ordovician rocks of Colorado": Department of Geology and Geological Engineering, Colorado School of Mines, February, 1998.

"Dynamics of Storm Deposition": Department of Earth Resources, Colorado State University, January, 1998

"Neoproterozoic deposits of eastern Newfoundland: Tectonic, paleogeographic, and depositional controls on the carbon isotopic record of post-glacial cap carbonate beds": Department of Geology and Geophysics, University of Wyoming, November, 1997.

"Physical constraints on the stratigraphic patterns and the emergence of metazoans": Department of Earth and Planetary Sciences, Harvard University, February, 1994.

"Physical and Biological Changes across the Precambrian—Cambrian Boundary": Department of Earth Sciences, University of Washington, January, 1992.

"Geologic evidence for the origin of multicellular life": Sigma XI at Colorado Springs, May, 1991.

"The origin of metazoan life at the Precambrian—Cambrian Boundary": Geology Department, University of Colorado at Boulder, February, 1990.

"Emergence of metazoans at the Precambrian/Cambrian Boundary": Lecture to the Evolution Colloquium Group, The Colorado College, November, 1989.

"Sedimentary structures produced under oscillatory and combined-flow and a model for vertical stratification sequences in shallow marine storm-deposits": Geology Department, The University of Vermont, September, 1988.

"Biostratigraphy of the Precambrian—Cambrian boundary: boundary stratotype from Newfoundland, Canada": Western Interior Paleontological Society, Denver Museum of Natural History, March, 1988.

### PROFESSIONAL SOCIETIES

Geological Society of America Grants Committee, 1997-1999. Chairman, 1998-1999.

Past Corresponding Member of the Working Group on the Cambrian – Ordovician Boundary, International Union of Geological Sciences and International Geological Correlation Project.

Past Corresponding Member of the Working Group on the Precambrian – Cambrian Boundary, International Union of Geological Sciences and International Geological Correlation Project.

Past Member of the Working Group on the International Union of Geological Sciences and International Geological Correlation Project #303: Late Precambrian – Early Cambrian Event Stratigraphy.

Corresponding Member of the International Union of Geological Sciences Working Group on the Terminal Proterozoic System.

Corresponding Member of the International Union of Geological Sciences and International Geological Correlation Project #320: Neoproterozoic Events and Resources.

Member, Society of Economic Paleontologists and Mineralogists.

Member, Geological Society of America

Member, International Association of Sedimentologists

### SENIOR THESES/PROJECTS

Rebecca Zentmyer: Origin and significance of travertine terraces from south-central Tibet: 2005 [Honors Thesis]

Claire Lukens: Wave-modified turbidites: Hyperpycnal flow deposits in the Minturn Formation, Central Colorado: 2004 [Honors Thesis]

Kiel Smith: Upper Cambrian and Lower Ordovician of West Texas and Southern New Mexico: Isotopic and Stratigraphic Correlations: 2004 [Honors Thesis]

Rafaello Sacerdoti: Sedimentological and isotopic analysis of the Bliss Formation and lower El Paso Group: southern Franklin Mountains, El Paso, Texas: 2003 [Honors Thesis]

Kathryn Snell: Depositional history of the Cambrian Karsha and Kurgiakh formations, northern India: 2002 [Honors Thesis]

Lauren Tice: Sedimentology and biostratigraphy of Cambrian–Ordovician deposits: northern Wyoming and southern Montana: 2002 [Honors Thesis]

Karl Thompson: Depositional history of the Middle Cambrian Kunzum La Formation, India Himalayas: 2001 [Honors Thesis]

Bonny Hawkins: Sedimentology, biostratigraphy, and chemostratigraphy of Cambrian–Ordovician deposits: northern Wyoming and southern Montana: 2001 [Honors Thesis]

Woody Fischer: Bioimmuration of Ordovician fossils of the Cincinnati of Ohio: 2000 [Honors Thesis]

Bryn Clark: Stratigraphy and depositional history of Cambrian and Ordovician rocks of northeast Wyoming: 2000 [Honors Thesis]

Max Minnerop: Geochronologic analysis of Neoproterozoic rocks of eastern Newfoundland: 2000 [Honors Thesis]

David Kern: Characteristics of the Denver Basin aquifers, Stonegate Development, Denver, CO: 2000

Edith Day: Sedimentology, conodont biostratigraphy, and chemostratigraphy of Cambrian–Ordovician deposits, White River Plateau Area, Colorado: 1999 [Honors Thesis]

Ian Miller: Systematic collection, identification, correlation and leaf margin analysis of the Winthrop Formation Flora: implications for a far-traveled hypothesis for the Winthrop Formation: 1998 [Honors Thesis]

Kristian Benson: Floral diversity and paleoclimate of the latest Cretaceous and early Tertiary deposits, Denver Basin, Colorado: 1998 [Honors Thesis]

Tina Brachle: Stratigraphic analysis of Cambrian–Ordovician rocks from the Sawatch Range, Colorado: 1998 [Honors Thesis]

Jessie Quay: Chemostratigraphic study of Ordovician strata, Front Range of Colorado: 1998.

Ryan Bennet: Sedimentology, conodont biostratigraphy, and chemostratigraphy of Cambrian–Ordovician deposits, Main Elk Creek, Western Colorado: 1998 [Honors Thesis]

Kathleen Tehrany: Ancient Maya terracing in northwest Belize: 1998 [Honors Thesis]

Tobin Hieronymus: Paleoecological information from scavenging features on mammalian fossils from the Turtle Cove Member of the John Day Formation, Oregon: 1997 [Honors Thesis]

Jason Davis: Identification of siliceous microfossils of the Manitou Formation: 1997 [Honors Thesis]

Penny Rieke: A sedimentological and stratigraphic study of ancient tidal sandwaves in the Peerless Formation, Manitou Springs, Colorado: 1996 [Honors Thesis]

- David Rodland: Following C.D. Walcott: stratigraphy and paleontology of the Ordovician Harding Sandstone, Cañon City, Colorado: 1996 [Honors Thesis]
- Jack Denman: Ichnology and Barium chemistry as indicators for paleo-oxygenation, marine productivity, and cyclic stratigraphy in an epeiric basin: 1996 [Honors Thesis]
- Randy Czek: Anatomy of a Cambrian tidal sand wave deposit: 1995 [Honors Thesis]
- Kristin Van Loon: Sedimentology and stratigraphy of Cambro–Ordovician strata, north-central Colorado: 1993 [Honors Thesis]
- Lisa Greer: Ecological aspects of modern patch reefs on San Salvador Island, Bahamas: 1993, [Honors Thesis]
- Kathryn Riesenbergl: Comparative study of biogenic structures from Modern and ancient eolian deposits, on San Salvador Island: 1993.
- Jessica Jackson: Review and analysis of the Denver aquifer near Monument, Colorado: 1992.
- Beth McMillan: Interpretation of paleoenvironments of the lower Paleozoic units of the Front Range, El Paso County, CO: 1991 [Honors Thesis]
- Timothy Donohou: Sedimentology and petrography of Pleistocene marine and eolian deposits, San Salvador Island, Bahamas: 1991 [Honors Thesis]
- Craig Hart: The stratigraphy and petrography of La Loma, Fortuna Basin, southeast Spain: 1990. [Honors Thesis]
- Bradley Evans: Sedimentology and stratigraphy of the Cap Barre through Saint Yvon section, Cloridorm Formation, Gaspe Peninsula, Quebec, Canada: 1990 [Honors Thesis]
- Douglas Cattell: A petrographic study of the diagenesis of the Sue Point fossil reef, San Salvador Island, Bahamas: 1988.
- Constance Hayden: Clay mineralogy and alteration in fluvial facies of the Lebo Member, Fort Union Formation (Paleocene), Custer County, southeastern Montana: 1988.

#### REFERREED PUBLICATIONS/GUIDEBOOKS

- Coniglio, M., Myrow, P., and White, T.S., 2000, Stable carbon and oxygen isotopic evidence of Cretaceous sea level fluctuations recorded in septarian concretions from Pueblo, Colorado: *Journal of Sedimentary Research*, v. 70, p. 700-714.
- Droser, M.L., Jensen, S., Gehling, J.G., Myrow, P.M., and Narbonne, G.M., 2002. Lowermost Cambrian ichnofabrics from the Chapel Island Formation, Newfoundland: implications for Cambrian substrates: *Palaios*, v. 17, p. 3-15.

- Gehling, J.G., Jensen, S., Droser, M.L., Myrow, P.M., and Narbonne, G.M., 2001, Burrowing below the basal Cambrian GSSP, Fortune Head, Newfoundland: *Geological Magazine*, v. 138, p. 213-218.
- Goodge, J.W., Myrow, P.M., Williams, I.S., and Bowring, S., 2002, Age and provenance of the Beardmore Group, Antarctica: constraints on Rodinia supercontinent breakup: *Journal of Geology*, v. 110, p. 393-406.
- Goodge, J.W., Myrow, P.M., Phillips, D., Fanning, C.M., and Williams, I.S., 2004, Siliciclastic record of rapid denudation in response to convergent-margin orogenesis, Ross Orogen, Antarctica, *in* Bernet, M., and Spiegel, C., eds., *Detrital Thermochronology — Provenance analysis, exhumation, and landscape evolution in mountain belts*: Geological Society of America Special Paper 378, Boulder, Colorado, p. 101-122.
- Goodge, J.W., Williams, I.S., and Myrow, P.M., 2004, Provenance of Neoproterozoic and lower Paleozoic siliciclastic rocks of the central Ross Orogen, Antarctica: Detrital record of rift- to active-margin sedimentation: *Geological Society of America Bulletin*, v. 116, p. 1253-1279.
- Grotzinger, J.P., Adams, R.D., McCormick, D.S., and Myrow, P.M., 1989, Sequence stratigraphy, correlations between Wopmay Orogen and Kilohigok Basin, and further investigations of the Bear Creek Group (Goulburn Supergroup), District of Mackenzie, N.W.T.: Current Research, Part C, *Journal of Current Research*, Geological Survey of Canada, Paper 89-1C, p. 107-119.
- Hughes, N.C., Peng, S.-C., Bhargava, O.N., Ahluwalia, A.D., Walia, S. Myrow, P.M., and Parcha, S.K., 2005, Early Tsanglangpuan (late early Cambrian) trilobites from the Nigali Dhar syncline, and the Cambrian biostratigraphy of the Tal Group, Lesser Himalaya, India: *Geological Magazine*, v. 142, p. 57-80.
- Landing, E., Myrow, P.M., Benus, A., and Narbonne, G.M., 1989, The Placentian Series: appearance of the oldest skeletalized faunas in Southeastern Newfoundland: *Journal of Paleontology*, v. 63, p. 739-769. [Best Paper Award].
- Landing, E., Narbonne, G., and Myrow, P., (eds.), 1988, Trace fossils, small shelly fossils, and the Precambrian–Cambrian boundary: *New York State Museum Bulletin 463*, The University of the State of New York, The State Education Department, Albany, N.Y., 98 p.
- Landing, E., Narbonne, G.M., Myrow, P.M., Benus, A., and Anderson, M. M., 1988, Faunas and depositional environments of the upper Precambrian through Lower Cambrian, Southeastern Newfoundland: *New York State Museum Bulletin 463*, The University of the State of New York, The State Education Department, Albany, N.Y., p. 18-52.
- Myrow, P.M., 2005, Storms and Storm Deposits, *in* Selley, R.C., Cocks, R., and Pilmer, I., eds., *Encyclopedia of Geology*: Elsevier Limited, Oxford, UK, p. 580-587.
- Myrow, P.M., 2003, Gutters and Gutter Casts, *in* Middleton, G.V., ed., *Encyclopedia of Sediments and Sedimentary Rocks*: Kluwer Academic Publishers, p. 353-354.

- Myrow, P.M., 2003, Storm Deposits, *in* Middleton, G.V., ed., *Encyclopedia of Sediments and Sedimentary Rocks*: Kluwer Academic Publishers, 686-687.
- Myrow, P.M., 2003, Colors of Sedimentary Rocks, *in* Middleton, G.V., ed., *Encyclopedia of Sediments and Sedimentary Rocks*: Kluwer Academic Publishers, p. 159-161.
- Myrow, P., 1998, Transgressive Stratigraphy and Depositional Framework of Cambrian Tidal Dune Deposits, Peerless Formation, Central Colorado, U.S.A. *in* Alexander, C., Davis, R., and Henry, J., eds., *Tidalites: Processes and Products*, SEPM Special Publication No. 61, p. 143-154.
- Myrow, P.M., 1995, Thalassinoides and the enigma of early Paleozoic open-framework burrow systems: *Palaios*, v. 10, p. 58-74.
- Myrow, P.M., 1995, Neoproterozoic rocks of the Newfoundland Avalon Zone: *in* Knoll, A.H. and Walter, M., eds., *Neoproterozoic Stratigraphy and Earth History: Special Issue of Precambrian Research*, v. 73, p. 123-136.
- Myrow, P.M., 1994, Pot and gutter casts from the Chapel Island Formation, southeast Newfoundland — reply: *Journal of Sedimentary Petrology*, v. A64, p. 706-709.
- Myrow, P.M., 1992, Bypass-zone tempestite facies model and proximity trends for an ancient muddy shoreline and shelf: *Journal of Sedimentary Petrology*, v. 62, p. 99-115.
- Myrow, P.M., 1992, Pot and gutter casts from the Chapel Island Formation, southeast Newfoundland: *Journal of Sedimentary Petrology*, v. 62, no. 4, p. 992-1007.
- Myrow, P.M., 1990, A new graph for understanding colors of mudrocks and shales: *Journal of Geological Education*, v. 38, p. 16-20.
- Myrow, P. M., and Coniglio, M., 1991, Origin and diagenesis of cryptobiontic Frutexites in the Chapel Island Formation (Vendian to lower Cambrian) of southeastern Newfoundland: *Palaios*, v. 6, p. 572-585.
- Myrow, P.M., Ethington, R.L., and Miller, J.F., 1995, Cambro–Ordovician proximal shelf deposits of Colorado: *Short Papers for the Seventh International Symposium on the Ordovician System, Ordovician Odyssey*, v. 77, p 375-379.
- Myrow, P.M., Fischer, W., and Goodge, J.W., 2002, Wave-modified turbidites: combined-flow shoreline and shelf deposits, Cambrian, Central Transantarctic Mountains: *Journal of Sedimentary Research*, v. 72, p. 641-656.
- Myrow, P.M. and Grotzinger, J.P., 2000, Chemostratigraphic proxy records: forward modeling the effects of unconformities, variable sediment accumulation rates, and sampling-interval bias, *in* Grotzinger, J. and James, N., eds., *Carbonate Sedimentation and Diagenesis in the Evolving Precambrian World: SEPM Special Publication 67*, p. 43-55.
- Myrow, P.M. and Hiscott, R.N., 1993, Depositional history and sequence stratigraphy of the potential boundary stratotype section for the Precambrian–Cambrian boundary, Chapel Island

- Formation, southeast Newfoundland, *in* Geldzetsler, H. and Nowlan, G., eds., *Event Markers in Earth History: Special Issue of Paleogeography, Paleoclimatology, Paleocology*, v. 104, p. 13-35.
- Myrow, P. M. and Hiscott, R. N., 1991, Shallow-water gravity-flow deposits, Chapel Island Formation, southeast Newfoundland, Canada: *Sedimentology*, v. 38, p. 935-959.
- Myrow, P.M., Hughes, N.C., Paulsen, T., Williams, I., Parcha, S.K., Thompson, K.R., Bowring, S.A., Peng, S.-C., and Ahluwalia, A.D., 2003, Integrated tectonostratigraphic analysis of the Himalaya and implications for its tectonic reconstruction. *Earth and Planetary Science Letters*, v. 212, p. 433-441.
- Myrow, P. and Kaufman, A.J., 1999, A cap carbonate above Varanger age glacials in Newfoundland: *Journal of Sedimentary Research*, v. 69, p. 784-793.
- Myrow, P. M. and Landing, E., 1992, Mixed siliciclastic-carbonate deposition in a lower Cambrian oxygen-stratified basin, Chapel Island Formation southeastern Newfoundland: *Journal of Sedimentary Petrology*, v. 62, p. 455-473.
- Myrow, P.M., Lamb, M., Lukens, C., Houck, K., Kluth, C., and Parsons, J., 2004, Hyperpycnal wave-modified turbidites of the Pennsylvanian Minturn Formation, north-central Colorado: *Geological Society of America Field Trip Guide*, 28 p.
- Myrow, P.M., Narbonne, G.M., and Hiscott, R.N., 1988, Storm-shelf and tidal deposits of the Chapel Island and Random formations, Burin Peninsula: facies and trace fossils: *Geological Association of Canada Annual Meeting, Field Trip Guidebook B6*, 108 p.
- Myrow, P.M., Pope, M., Goodge, J.W., and Fischer, W., 2002, Depositional history of pre-Devonian strata and timing of Ross Orogenic tectonism in the central Transantarctic Mountains: *Geological Society of America Bulletin*, v. 114, p. 1070-1088.
- Myrow, P.M., Snell, K., Hughes, N.C., Paulsen, T.S., Heim, N.A., and Parcha, S.K., *in press*, Cambrian depositional history of the Zaskar Valley region of Indian Himalaya: Tectonic implications: *Journal of Sedimentary Research*. v. 76.
- Myrow, P.M. and Southard, J.B., 1996, Tempestite deposition: *Journal of Sedimentary Research*, v. 66, p. 875-887.
- Myrow, P.M. and Southard, J.B., 1991, Combined-flow model for vertical stratification sequences in shallow marine storm-dominated beds: *Journal of Sedimentary Petrology*, v. 61, p. 202-210.
- Myrow, P., Taylor, J., Miller, J., Ethington, R., Ripperdan, R., and Allen, J., 2003, Fallen arches: Dispelling myths concerning Cambrian and Ordovician paleogeography of the Rocky Mountain region: *Geological Society of America Bulletin*, v. 115, p. 695-713.
- Myrow, P., Taylor, J., Miller, J., Ethington, R., Ripperdan, R., and Brachle, C., 1999, Stratigraphy, Sedimentology, and Paleontology of the Cambrian-Ordovician of Colorado, *in* Lageson, D.R., Lester, A., and Trudgill, B., eds., *Colorado and Adjacent Areas: Geological Society of America Field Guide*, Boulder, CO, p. 157-176.

- Myrow, P., Taylor, J., Miller, J., Ethington, R., Ripperdan, R., Brachle, C., and Owen M., 1999, Stratigraphic synthesis of the Cambrian–Ordovician rocks of Colorado: *Acta Universitatis Carolinae – Geologica*, v. 43, p. 9-12.
- Myrow, P.M., Thompson, K.R., Hughes, N.C., Paulsen, T.S., Sell, B.K., and Parcha, S.K., in press, Stratigraphy, depositional history, and early tectonics of the northern Indian Himalayas, Spiti Valley, north-central India: *Geological Society of America Bulletin*, v.118.
- Myrow, P.M., Tice, L.P., Archuleta, B., Clark, B., Taylor, J.F., and Ripperdan, R.L., 2004, Flat-pebble conglomerate: its multiple origins and relationship to meter-scale depositional cycles: *Sedimentology*, v. 51, p. 1-24.
- Narbonne, G.M. and Myrow, P.M., 1988, Trace fossil biostratigraphy in the Precambrian–Cambrian boundary interval, *in* Landing, E., Narbonne, G., and Myrow, P., eds., *Trace Fossils, Small Shelly Fossils and the Precambrian–Cambrian Boundary*: New York State Museum Bulletin 463, The University of the State of New York, State Education Department, Albany, N.Y., p. 72-76.
- Narbonne, G.N., Myrow, P.M., Landing, E. and Anderson, M.M., 1991, A chondrophorine (medusoid hydrozoan) from the basal Cambrian (Placental) of Newfoundland: *Journal of Paleontology*, v. 65, p. 186-191.
- Narbonne, G., Myrow, P., Landing, E. and Anderson, M.M., 1987, A candidate stratotype for the Precambrian—Cambrian southeastern Newfoundland: *Canadian Journal of Earth Sciences*, v. 24, p. 1277-1293.
- Rigby, J.K. and Myrow, P.M., 1999, Lower Ordovician Sponges from the Manitou Formation in Central Colorado: *Brigham Young University Press*, v. 44, p. 135-153.
- Strauss, H., Bengtson, S., Myrow, P.M., Vidal, G., 1992, Stable isotope geochemistry and palynology of the late Precambrian to early Cambrian sequence in Newfoundland: *Canadian Journal of Earth Sciences*, v. 29, p. 1662-1673.
- Taylor, J.F., Myrow, P.M., Ripperdan, R.L., Loch, J.D., and Ethington, R.L., 2004, Paleooceanographic events and faunal crises recorded in the Upper Cambrian and Lower Ordovician of west Texas and southern New Mexico: *Geological Society of America Field Trip Guide 5*, p. 169-185.

## ABSTRACTS

- Adams, R.D., Grotzinger, J.P., and Myrow, P.M., 1989, A sequence-stratigraphic interpretation of the 1.96 ga Rifle Formation, Bear Creek Group (Goulburn Supergroup), Tinney Hills, N.W.T., Canada: *Geological Association of America, Abstract with Programs*, v. 21, p. 372.
- Adams, R.D., Grotzinger, J.P., and Myrow, P.M., 1989, Sequence stratigraphy of the early Proterozoic (1.97 ga) Rifle Formation, Tinney Hills area of Kilohigok Basin, northwest Canada: *Geological Association of Canada, Abstract with Programs*, v. 14, p. 41.

- Anderson, M. L., Myrow, P. M., and Cowan, C., 1998, Sedimentology, stratigraphy, and depositional history of the Crandall Conglomerate, northwestern Wyoming: Geological Society of America, Central Regional Meeting, Abstracts with Programs, v. 30, p. 2.
- Bennett, R., Myrow, P.M., Miller, J.F., Ripperdan, R.L., and Ethington, R.L., 1997, Sedimentology, conodont biostratigraphy, and chemostratigraphy of Cambro-Ordovician deposits: Main Elk Creek, western Colorado: Geological Society of America, Rocky Mountain Section, Abstracts with Programs, v. 29, p. 4.
- Benson, K. P., Johnson, K. R., Myrow, P., 1998, Floral Diversity and Paleoclimate of the Late Cretaceous and Early Tertiary, Denver Basin, Colorado, USA: Midcontinent Paleobotanical Colloquium, Denver, CO, Abstracts with Programs.
- Bowring, S.A., Martin, M.W., Grotzinger, J.P., Myrow, P., Landing, E., 1998, Geochronological constraints on the duration of the Neoproterozoic–Cambrian transition: Geological Society of America Annual Meeting, Toronto, Abstracts with Programs, v. 30, p. 147.
- Bowring, S.A., Myrow, P.M., Landing, E., Ramezani, J., Condon, D., and Hoffmann, K.H., 2003, Geochronological constraints on Neoproterozoic glaciations and the rise of metazoans: Geological Society of America Annual Meeting, Seattle, Abstracts with Programs, v. 34, p. 516.
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