

Ben van der Pluijm – Curriculum Vitae



Personal:

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Married to Elisabeth H. Quint; two children (Wouter and Robert)

Ben van der Pluijm is BR Clark Collegiate Professor of Geology and Professor of the Environment at the Univ. of Michigan, and Editor-in-Chief of the AGU science journal Earth's Future. His research area is Structural Geology, dealing with deformation of Earth's crust on scales from microscope to mountain belt. In addition to undergraduate teaching in geology, and sustainability and resiliency, his educational efforts include technology applications for greater student engagement and public outreach lectures.

Education:

- Univ of New Brunswick, Canada; Ph.D. Geology, 1984.
- Univ of Leiden and Utrecht, Netherlands; doktoraal (MSc), structural geology, 1981.
- Univ of Leiden, Netherlands; kandidaats (BSc), 1977.

Professional Experience:

- 11/13-present Editor-in-Chief, *Earth's Future*, American Geophysical Union
- 09/09-present Bruce R. Clark Collegiate Professor of Geology, University of Michigan
- 09/08-present Consultant-Evaluator, Higher Learning Commission (NCA)
- 09/02-present Professor of the Environment, University of Michigan
- 05/00-05/15 Director, Global Change Program, University of Michigan
- 08/11-07/12 IGSS Program Director and Coordinator of Sustainability Portfolio ("SEES"), National Science Foundation
- 09/10-07/11 E&ES Chair for Curriculum and Undergraduate Affairs, University of Michigan
- 07/07-05/10 Senior Counselor to the Provost, University of Michigan
- 09/96-08/09 Professor of Geological Sciences, University of Michigan
- 09/99-08/04 Editor, *GEOLOGY*, Geological Society of America
- 09/91-08/96 Associate Professor of Geological Sciences, University of Michigan
- 07/85-08/91 Assistant Professor of Geological Sciences, University of Michigan
- 10/84-07/85 Visiting Researcher, Field Camp Faculty, University of Utrecht
- 04/81-09/84 Research, Teaching and Field Camp Assistant, University of New Brunswick
- 01/78-03/81 Teaching Assistant, Field Camp Assistant, Universities of Leiden and Utrecht

Professional Organizations:

- American Association for the Advancement of Science (Fellow)
- American Geophysical Union (Member)
- Geological Society of America (Fellow)
- Royal Dutch Geological Society (Member)

Research and Teaching Interests:

- Structural Geology, Tectonophysics, Tectonics.
Recent field areas: US Appalachians; US Cordillera; N Am Rockies; US continental interior; Spain's Cantabria and Pyrenees; San Andreas (US), North Anatolian (Turkey) and Alpine (NZ) faults; Sierra Madre Oriental (Mexico); Argentinian Cordillera.
Recent topical areas: fault rocks; earthquake geology; geofluids; crustal architecture; oroclinal; microstructures; geochronology; stable isotope geochemistry; rock magnetism; oceanography.
- Interdisciplinary undergraduate teaching; professional-level geology teaching. IT-supported education (classroom and field); [GeoPad™](#), [LectureTools®](#).

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PROFESSIONAL ACTIVITIES

Committees/Boards

Chikyu IODP Board (JAMSTEC-CDEX, Japan), Member (15-)
Faculty Advisor, [Epsilon Eta](#) (15-)
American Association for the Advancement of Science, AAAS Council (13-)
[DOSECC](#) (Drilling, Observation and Sampling of the Earth's Continental Crust), Member (89-)
[Alpine Fault drilling \(DFDP\)](#), Advisory Board, (11-15)
Geological Society of America, Steven E. Laubach Structural Diagenesis Research Award (11)
Geological Society of America, Committee on Penrose Conferences & Field Forums, Chair (09-11)
UNESCO/IUGS, Science Team ("Deep Earth"), [International Year of Planet Earth](#) (06-09)
National Science Foundation, Steering Committee on Integrated Solid Earth Sciences (02-04)
Geological Society of America, campus representative (86-02)
American Geophysical Union, Tectonophysics Section Executive Committee (00)
Geological Society of America, Committee on External Awards (95)
Geological Society of America Annual Meeting (92), abstract reviewer (Structural Geology)

Scientific Panels

National Science Foundation, EHR-Informal Science Education (ISE) Panel (10-11)
International Ocean Drilling Program (IODP), Science Planning Committee (07-11)
National Science Foundation, EAR-Earthscope panel (09)
National Science Foundation, EAR-Tectonics Panel (04-06)
National Science Foundation, GEO-Undergraduate Education (CCLI) Panel (05)
American Institute of Biological Sciences, Proposal Panel (99)
National Science Foundation, EAR-Postdoctoral Fellowship Panel (96)
Geological Society of America, Committee on Research Grants (92-94)

Editorial

[Earth's Future](#), Editor-in-Chief (13-)
[Geological Magazine](#), Editorial Board (13-)
[Geologica Acta](#), Advisory Scientific Board (02-)
[Journal of Structural Geology](#), Editorial Advisory Board (98-)
[The Virtual Explorer](#) (electronic journal), Editorial Board (01-11)
Geological Society of America, Publications Committee (99-09)
[Geological Society of America Bulletin](#), Associate Editor (05-08)
[GeoScienceWorld](#), Journal Review Committee (06-08)
[Tectonophysics](#), Editorial Board (92-06)
[GEOLOGY](#), Editor (99-04)
American Geophysical Union, Tectonics Editor-in-Chief search (03)
Geoscience Editors Summit, Tulsa OK, co-convener (02)
[Precambrian Research](#), Associate Editor (90-99)
Geological Society of America, Structural Geology & Tectonics Division, Webmaster (96-99)
[GEOLOGY](#), Editorial Board (91-93)

Workshops/Meetings

Four-dimensional evolution of the conterminous US (Earthscope workshop), Denver, co-convener (13)

NCSE's National Conference on Science, Policy and the Environment, [Environmental Disasters](#), DC, Organizing Committee (12-13)
 National Academies, DC, [Sustainability Symposium](#) (11-12)
[EarthScope 3rd National Meeting](#), Austin, Organizing Committee (10-11)
[2010 Structural Geology and Tectonics Forum, Madison](#) (10)
[NSF, Western GeoSwath workshop, Boise](#) (07)
[EarthScope 1st National Meeting](#), Monterey, Program Committee (06-07)
[NSF, MARGINS/GeoSwath workshop, Monterey](#) (07)
 NSF/EarthScope workshop, "GeoFrame: Toward a geologic framework for EarthScope's USArray", Missouri, (06)
[NSF/EarthScope workshop, "GeoTraverse"](#), New Mexico, co-convenor (05)
 NSF workshop, "Integrated Solid Earth Sciences, Forum II", San Francisco, co-convenor (04)
 NSF/EarthScope workshop, "SAFOD: 2004 sample analysis workshop", Paso Robles, co-convenor (04)
 NSF workshop, "Integrated Solid Earth Sciences, Forum I", Seattle, co-convenor (03)
[NSF workshop, "Priorities in Solid Earth sciences"](#), Denver, co-convenor (02)
 Conference, "Paleomagnetism and the Rock Record (Voo2K)", Ann Arbor, co-convenor (00)
 Geological Society of America, Iapetus symposium, co-convenor (97)
 GSA Penrose Conference "Tectonics of Continental Interiors" co-convenor (97)
 Geological Society of America 1994 Annual Meeting, convenor Special Session (Precambrian Geology)
 AAPG Hedberg Conference "Basement and Basins of Eastern North America", Ann Arbor, co-convenor (93)
 6th NE Paleomagnetic and Rock Magnetic Workshop, Ann Arbor, Organizing Committee (92)

Review/Assessment Activities

Institutional Review (HLC), Northwestern Univ. (15)
 MS and PhD programs in Structural Geology and Remote Sensing, King Abdulaziz Univ., Saudi Arabia (15)
 Institutional Review (HLC), Colorado State College (13)
 GES review, Hope College (13)
 Institutional Review (HLC), Arizona State Univ. (13)
 Institutional Review (HLC), Univ. of Colorado-Boulder (10)
 Institutional Review (HLC), Univ. of Illinois-U/C (09)
 Institutional Review (HLC), Univ. of Wisconsin, Madison (09)
 Higher Learning Commission (NCA), [Peer Review Corps](#) (08-15):
 Earth Sciences Quality Assurance visitation committee ([QANU](#)), Netherlands; Univs. of Utrecht, Delft, Amsterdam (GU, VU), Wageningen (05-06)
 Reviewer of grant proposals, journal manuscripts, books
 National and international Dissertation, Promotion and Award dossiers

UNIVERSITY ACTIVITIES

Alumni Travel faculty host, White Sea (2015)
 Academic advisor, [Global Change](#) (00-15)
 Alumni Travel faculty host, Iceland and Greenland (2013)
 Alumni Travel faculty host, Peru and Ecuador (2012)
 Provost's Budget Advisory Committee (10-11)
 Alumni Travel faculty host, Antarctica (2011)
[2010 University Accreditation](#), Lead (07-10)
 President's [Multidisciplinary Learning and Team Teaching Steering Committee](#), Chair (05-09)
 Faculty Response to DoE's [Spellings report](#), Chair (06-07)
[Academic Affairs \(Provost's\) Advisory Committee](#) (04-07)
[Enriching Scholarship](#) 2006, keynote and workshop (06)
 Steering Committee on Environmental Issues and Research (00-03)
 Global Change curriculum/minor workshop (99)
 Research Scientist Awards Committee (99)
 Research Policies Committee (97-99, 98-99 Chair)
 Vice President for Research Search Advisory Committee (98)
 University Library Council (96-99)
 Provost's "Distance Learning Task Force" (98-99)
 Director of University Library Search Advisory Committee (96-97)
 Senate Assembly Tenure Committee (93-96)

Virtual Geoscience Library Group (94-95)
Electronic Information Resources Committee (90-91)
Rackham Graduate School, Dissertation/Thesis Grants (87-88)

COLLEGE ACTIVITIES

Advisory Committee of LSA/NRE Program in the Environment (02-05)
Curriculum Committee (02-03)
Curriculum Implementation Committee LSA/NRE Environmental Major (00-01)
Environmental Major Curriculum Development Committee (2000)
Nominating Committee for Matthews Teaching Award (97)
Library Review Committee (96)
Curriculum Committee (95-98)
Library Committee, Chair (89-92)
U-Utrecht, College Executive Committee, student representative (78-81)

DEPARTMENT ACTIVITIES

Graduate Exam, standing committee (14-)
Turner proposals panel (14-)
Graduate Admissions (13-14)
Undergraduate Chair (10-11)
Undergraduate Advisor (10-11)
Earth Systems Science search committee (06-07)
Computer Committee (05-07)
Graduate recruiting and support, Chair (03-04)
Executive Committee (02-03)
Atmospheric Change search committee, Chair (02-03)
Long-Range Planning Committee, Chair (00-01)
Landform Evolution search committee, Chair (99-00)
Graduate Student Support/Appointments (96-99)
Space Committee (94-95)
Internal Review Committee (94-95)
Geodynamics/Tectonophysics Search Committee, Chair (93-94)
Ph.D. Examination Committee, Chair (94)
Library Liaison (91-92)
Editor, *Geoscience News* (1992)
Technology Committee (91-92; 94-96)
Curriculum Committee (88-89, 91-92)
Illustrative Services Coordinator (91-98)
Scott Turner Committee on Research Grants (94-96)
Executive Committee (89-91)
Turner Lecture Series (88-89)
Sedimentology Search Committee (85-88)

HONORS, AWARDS, RECOGNITION

Earthscope, US National Speaker Program; "Smart Clays" (13-14)
NSF, Director's Award for Collaborative Integration (12)
U-M, University Award for Service and Leadership (10)
CIC's Academic Leadership Program, Fellow (09-10)
U-M, Bruce R. Clark Collegiate Professorship (09)
American Association for the Advancement of Science, Fellow (06)
Geological Society of America, Distinguished Service Award (05)
U-M, Outstanding Faculty Member Award (99)
U-M, LSA Excellence in Research Award (99)
U-M, LSA Excellence in Research Award (97)
U-M, LSA Excellence in Education Award (93)
U-M, Geo-Alumni Research and Teaching Award (93)
U-M, LSA Excellence in Education Award (92)
Geological Society of America, Fellow (92)

Geological Association of Canada, Fellow (87)

U-M, CRLT-LSA Teaching Award (86)

Annual editions of Who's Who (in America; in Science and Engineering; in American Education)

JOURNAL PUBLICATIONS

2015

Pana, DI, van der Pluijm, BA, 2015. Orogenic pulses in the Alberta Rocky Mountains: Radiometric dating of fault gouge from major thrusts and comparison with the regional tectono-stratigraphic record. [Geol Soc Amer Bull 127, 480-502](#). doi:10.1130/B31069.1.

Schleicher, AM, Sutherland, R, Townend, J, Toy, VG, van der Pluijm, BA, 2015. Clay mineral formation and fabric development in the DFDP-1B borehole, central Alpine Fault, New Zealand. [New Zeal J Geol Geophys 59, 13-21](#). DOI: 10.1080/00288306.2014.979841.

In submission/In press

Abad, I, Jiménez-Millán, J, Schleicher, A, van der Pluijm, B. Characterization and ages of deformed low grade schists in the Carboneras and Palomares Faults of the Trans-Alboran Shear Zone (Betic Cordillera, SE Spain). Submitted to *Clays Clay Mineral*.

Boles et al. Sources and ages of paleofluids along the long-lived Northern Turkey Tectonic Zone; H and Ar isotopic analysis of mudrocks. Submitted to *G-cubed*.

Haines, Lynch, Mulch, Valley, van der Pluijm. Meteoric fluid infiltration in crustal-scale normal fault systems as indicated by $\delta^{18}\text{O}$ and $\delta^2\text{H}$ geochemistry, and Ar dating of neoformed clays in brittle fault rocks. Submitted to *Earth Planet Sci Lett*.

Schleicher, AM, Boles, A, van der Pluijm, B. Response of natural smectite to seismogenic heating and implications for the 2011 Tohoku earthquake in the Japan Trench. Submitted to *GEOLOGY*.

Warr, LN, van der Pluijm, BA. Smectite Age Analysis (SAA) using 40K/40Ar and 40Ar/39Ar chronology of a Late Cretaceous Patagonian ash-bentonite-shale sequence. Submitted to *Int J Geol*.

2014

Fitz-Díaz, E, Camprubí, A, Cienfuegos-Alvarado, E, Morales-Puente, P, Schleicher, AM, van der Pluijm, B, 2014. Newly-formed illite preserves fluid sources during folding of shale and limestone rocks; an example from the Mexican Fold-Thrust Belt. [Earth Planet Sci Lett, 391, 263-273](#). (187)

Fitz-Díaz, E, Hudleston, P, Tolson, G, van der Pluijm, B, 2014. Progressive, episodic deformation in the Mexican fold-thrust belt (central Mexico): Evidence from isotopic dating of folds and faults. [Int Geol Review, 56, 734-755](#). (186)

Hnat, JS, van der Pluijm, BA, 2014. Fault gouge dating in the Southern Appalachians, U.S.A. [Geol Soc Amer Bull, 126, 639-651](#). (185)

Parés, JM, van der Pluijm, BA, 2014 Low-temperature AMS and the quantification of subfabrics in deformed rocks. [Tectonophysics, 629, 55-62](#). (184)

van der Pluijm, B, Hall, C, 2014. Fault Zone - Thermochronology. [Encycl Sci Dating Meth, Springer](#). DOI 10.1007/978-94-007-6326-5_250-1 (183)

van der Pluijm, B, 2014. Hello Anthropocene, Goodbye Holocene. [Earth's Future, 2, DOI: 10.1002/2014EF000268](#). (182)

Warr, LN, Wojatschke, J, Carpenter, BM, Marone, C, Schleicher, AM, van der Pluijm, BA, 2014. A "slice-and-view" (FIB-SEM) study of clay gouge from the SAFOD creeping section of the San Andreas Fault at ~2.7 km depth. [J Struct Geol, 69, 234-244](#). (181)

2013

Day-Stirrat, RJ, Flemings, PB, Yao You, van der Pluijm, BA, 2013. Modification of mudstone fabric and pore structure as a result of slope failure: Ursa Basin, Gulf of Mexico. [Mar Geol, 341, 58-67](#). (180)

Fitz-Díaz, E, van der Pluijm B, 2013. Fold dating: A new Ar/Ar illite dating application to constrain the age of deformation in shallow crustal rocks. [J Struct Geol, 54, 174-179](#). (179)

Haines, S, Kaproth, B, Marone, C, Saffer, D, van der Pluijm, B, 2013. Shear zones in clay-rich fault gouge: A laboratory study of fabric development and evolution. [J Struct Geol, 51, 205-225](#). (178)

Schleicher, AM, Hofmann, H, van der Pluijm, BA, 2013. Constraining clay hydration state and its role in active fault systems. [G-cubed, 14, 1039-1052](#). (177)

Schleicher, AM, van der Pluijm, BA, Warr, LN, 2013. Chlorite-smectite clay minerals and fault behavior: Evidence from the San Andreas Fault Observatory at Depth (SAFOD). [InSights, Winter 2013](#). (176)

2012

Day-Stirrat, RJ, Flemings PB, Yao You, Aplin, AC, van der Pluijm, BA, 2012. The fabric of consolidation in Gulf of Mexico mudstones, [Mar Geol, 295-298, 77-85](#). (175)

- Haines, SH, van der Pluijm, BA, 2012. Patterns of mineral transformations in clay gouge, with examples from low-angle normal fault rocks in the western USA. [J Struct Geol, 43, 2-32](#). (174)
- Killeen, T, van der Pluijm, B, Cavanaugh, M, 2012. A Focus on Science, Engineering and Education for Sustainability. [Eos, 93, 1-3](#). (173)
- O'Brien, TM, van der Pluijm, BA, 2012. Timing of Iapetus Ocean rifting from Ar geochronology of pseudotachylytes in the St. Lawrence Rift System of southern Quebec. [Geology, 40, 443-446](#); doi:10.1130/G32691.1. (172)
- Schleicher, AM, van der Pluijm, BA, Warr, LN, 2012. Chlorite-smectite clay minerals and fault behavior: New evidence from SAFOD core. [Lithosphere, 4, 209-220](#). (171)
- Verdel, C, van der Pluijm, BA, Niemi, N, 2012. Variation of illite/muscovite ⁴⁰Ar/³⁹Ar age spectra during progressive low-grade metamorphism: An example from the US Cordillera. [Contrib Min Petrol 164, 521-536](#). (170)
- 2011
- Day-Stirrat, RJ, Schleicher, AM, Schneider, J, Flemings, PB, Germaine, JT, van der Pluijm, BA, 2011. Preferred orientation of phyllosilicates: composition and stress on resedimented mudstone microfibrils. [J Struct Geol, 33, 1347-1358](#). (169)
- Duvall, A, Clark, M, van der Pluijm, B, Li, C, 2011. Direct dating of Eocene reverse faulting in northeastern Tibet using Ar-dating of fault clays and low-temperature thermochronometry. [Earth Planet Sci Lett, 304, 520-526](#); (168)
- Hnat, J, van der Pluijm, BA, 2011. Foreland signature of indenter tectonics: Insights from calcite twinning analysis in the Tennessee salient of the Southern Appalachians, USA. [Lithosphere, 3, 317-327](#). (167)
- Rahl, JM, Haines, SH, van der Pluijm, BA, 2011. Links between orogenic wedge deformation and erosional exhumation: evidence from Illite age analysis of fault rock and detrital thermochronometry of syn-tectonic conglomerates in the Spanish Pyrenees. [EPSL, 307, 180-190](#). (166)
- van der Pluijm, B, 2011. Natural fault lubricants. [Nat Geosci, 4, 217-218](#). (165)
- Verdel, C, Niemi, N, van der Pluijm, BA, 2011. Thermochronology of the Salt Spring fault: Constraints on the evolution of the South Virgin-White Hills detachment system, Nevada and Arizona, USA. [Geosphere, 7, 774-784](#). (164)
- Verdel, C, Niemi, N, van der Pluijm, BA, 2011. Variations in the illite-muscovite transition related to metamorphic conditions and detrital muscovite content: Insight from the Paleozoic passive margin of the S.W. US. [J Geol, 119, 419-437](#). (163)
- 2010
- Barker, SLL, Palin, JM, Sibson, RH, Fitzgerald, JD, Reddy, S, Warr, LN, van der Pluijm, BA, 2010. Cretaceous age pseudotachylyte in the Otago Schist, New Zealand. [New Zeal J Geol Geophys, 53, 15-29](#). (162)
- Day-Stirrat, RJ, Dutton, S, Milliken, KL, Loucks, RG, Aplin, AC, Hillier, S, van der Pluijm, BA, 2010. Fabric anisotropy induced by primary depositional variations in the silt/clay ratio in two fine-grained slope fan complexes; Texas Gulf Coast and Northern North Sea. [Sedimen Geol, 226, 42-53](#). (161)
- Haines, SH, van der Pluijm, BA, 2010. Dating the detachment fault system of the Ruby Mountains, Nevada: Significance for the kinematics of low-angle normal faults. [Tectonics, 29, doi:10.1029/2009TC002552](#). (160)
- Schleicher, AM, van der Pluijm, BA, Warr, LN, 2010. Nanocoatings of clay and creep of the San Andreas fault at Parkfield, California. [Geology 38, 667-670](#); doi: 10.1130/G31091.1. (159)
- 2009
- Haines, SH, van der Pluijm, BA, Ikari, M, Saffer, D, Marone, C, 2009. Clay fabrics in natural and artificial fault gouge. [J Geophys Res, 114, B05406, doi:10.1029/2008JB005866](#). (158)
- Hassold, NJC, Rea, DK, van der Pluijm, BA, Pares, JM, 2009a. A physical record of the Antarctic Circumpolar Current: Late Miocene to recent slowing of abyssal circulation. [Paleo3, 275, 28-36](#). (157)
- Hassold, NJC, Rea, DK, van der Pluijm, BA, Pares, JM, 2009b. Mid-Pliocene to Recent abyssal current flow along the Antarctic Peninsula: Results from ODP Leg 178, Site 1101. [Paleo3, 284, 120-128](#). (156)
- Hnat, JS, van der Pluijm, BA, Van der Voo, R, 2009. Remagnetization in the Tennessee Salient, Southern Appalachians, USA: Constraints on the timing of deformation. [Tectonophysics, 474, 709-722](#). (155)
- Schleicher, AM, Tourscher, SN, van der Pluijm, BA, Warr, LN, 2009. Constraints on mineralization, fluid-rock interaction, and mass transfer during faulting at 2-3 km depth from the SAFOD drill hole. [J Geophys Res, 114, B04202, doi:10.1029/2008JB006092](#). (154)
- Schleicher, AM, Warr, LN, van der Pluijm, BA, 2009. On the origin of mixed-layered clay minerals from the San Andreas Fault at 2.5-3 km vertical depth (SAFOD drillhole at Parkfield, California). [Contrib Min Petrol, 157, 173-187](#). (153)

- Solum, J.G., van der Pluijm, B.A., 2009. Quantification of fabrics in clay gouge from the Carboneras Fault, Spain and implications for fault behavior. [*Tectonophysics*, 475, 554-562](#). (152)
- 2008
- Day-Stirrat, R.J., Aplin, A.C., Środoń J., van der Pluijm, B.A., 2008. Diagenetic reorientation of phyllosilicate minerals in Paleogene mudstones of the Podhale Basin, southern Poland. [*Clays Clay Min.* 56, 100-111](#). (151)
- Day-Stirrat, R.J., Loucks, R.G., Milliken, K.L., Hillier, S., van der Pluijm, B.A., 2008. Phyllosilicate orientation demonstrates early timing of compactional stabilization in calcite-cemented concretions in the Barnett Shale (Late Mississippian), Fort Worth Basin, Texas (U.S.A.). [*Sedim Geol.* 208, 27-35](#). (150)
- Haines, S.H., van der Pluijm, B.A., 2008. Clay quantification and Ar-Ar dating of synthetic and natural gouge – Application to the Miocene Sierra Mazatán detachment fault, Sonora, Mexico. [*J Struct Geol.* 30, 525-538](#). (149)
- Hnat, J.S., van der Pluijm, B.A., Van der Voo, R., Thomas, W.A., 2008. Differential displacement and rotation in thrust fronts: A magnetic, calcite twinning and palinspastic study of the Jones Valley thrust, Alabama, US Appalachians. [*J Struct Geol.* 30, 725-738](#). (148)
- Parés, J.M., Schleicher, A.M., van der Pluijm, B.A., Hickman, S., 2008. Paleomagnetic reorientation of San Andreas Fault Observatory at Depth (SAFOD) core. [*Geophys Res Lett.* 35](#). (147)
- 2007
- Ong, P.F., van der Pluijm, B.A., Van der Voo, R., 2007. Early rotation and late folding in the Pennsylvania Salient (US Appalachians): Evidence from calcite-twinning analysis of Paleozoic carbonates. [*Geol. Soc. Am. Bull.*, 119, 796-804](#). (146)
- Parés, J.M., Hassold, N.J.C., Rea, D.K., van der Pluijm, B.A., 2007. Paleocurrent directions from paleomagnetic reorientation of magnetic fabrics in deep-sea sediments at the Antarctic Peninsula Pacific margin (ODP Sites 1095, 1101). [*Marine Geol.*, 242, 261-269](#). (145)
- Pevear, D.R., van der Pluijm, B.A., Vrolijk, P.J., Hall, C.M., Solum, J.G., 2007. Fault dating in the Canadian Rocky Mountains: Evidence for late Cretaceous and early Eocene orogenic pulses – REPLY (Comment by R.A. Price). doi: [10.1130/G24483Y.1](#). (144)
- Rahl, J.M., Ehlers, T.A., van der Pluijm, B.A., 2007. Quantifying transient erosion with detrital thermochronology from syntectonic basin deposits. [*Earth Planet. Sci. Lett.*, 256, 147-161](#). (143)
- Schleicher, A.M., van der Pluijm, B.A., Warr, L.N., Solum, J.G., 2007. Electron Microscopy of clay minerals in mudrocks from the San Andreas Fault Observatory at Depth (SAFOD). [*Scientific Drilling, Spec Iss 1*, 68-70](#). (142)
- Solum, J.G., van der Pluijm, B.A., 2007. Reconstructing the Snake River/Hoback River Canyon section of the Wyoming thrust belt through direct dating of fault rocks. In: Whence the mountains? Enquiries into the evolution of orogenic belts (Ray Price Volume), J.W. Sears; T.A. Harms, C.A. Evenchick, eds. [*GSA Special Paper*, 433, 183-196](#). (141)
- Solum, J.G., co-authors, 2007. San Andreas Fault Zone mineralogy, geochemistry and physical properties from SAFOD cuttings and core. [*Scientific Drilling, Spec Iss 1*, 64-67](#). (140)
- Tohver, E., Holm, D.K., van der Pluijm, B.A., Essene, E.J., Cambray, F.W., 2007. Late Paleoproterozoic (geon 18 and 17) reactivation of the Neoproterozoic Great Lakes Tectonic Zone, northern Michigan, USA: Evidence from kinematic analysis, thermobarometry and ⁴⁰Ar/³⁹Ar geochronology. [*Precam. Res.*, 157, 144-168](#). (139)
- Warr, L.N., van der Pluijm, B.A., Tourscher, S., 2007. The age and depth of exhumed friction melts along the Alpine Fault, New Zealand. [*Geology*, 35, 603-606](#). (138)
- 2006
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- van der Pluijm, B.A., Williams, P.F., 1983. The eastern Notre Dame Bay area, Newfoundland. Fieldtrip Guide D, *Int. Geol. Corr. Progr.*, 16p. (2)
- Karlstrom, K.E., van der Pluijm, B.A., Williams, P.F., 1982. Structural interpretation of the eastern Notre Dame Bay area, Newfoundland: Regional post-Middle Silurian thrusting and asymmetrical folding. *Can. J. Earth Sci.*, 19, 2325-2341. (1)

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- van der Pluijm et al., 2010. THE UNIVERSITY OF MICHIGAN: AN INSTITUTION OF GLOBAL LEARNING, KNOWLEDGE AND ENGAGEMENT, Ann Arbor, 158p., and Website: <http://www.accreditation.umich.edu/>
- van der Pluijm, B.A., and Marshak, S., 2004. EARTH STRUCTURE - AN INTRODUCTION TO STRUCTURAL GEOLOGY AND TECTONICS; 2ND EDITION. *W.W. Norton*, New York, 656p.
- MacNiocaill, C., Torsvik, T., van der Pluijm, B.A. (Editors), 2003. PALEOMAGNETISM APPLIED TO TECTONICS: A TRIBUTE TO ROB VAN DER VOO. *Tectonophysics*, 362, 366p.

- Samson, P., King, D., O'Dunn, S., Sverdrup, K., van der Pluijm, B.A., 2000. EARTH SYSTEMS TODAY – INTERACTIVE, INTERNET-BASED CD. *Brooks/Cole*, Pacific Grove.
- Marshak, S., van der Pluijm, B.A., Hamburger, M. (Editors), 1999. TECTONICS OF CONTINENTAL INTERIORS. *Tectonophysics*, 305, 417p.
- van der Pluijm, B.A., Marshak, S., 1997. EARTH STRUCTURE - AN INTRODUCTION TO STRUCTURAL GEOLOGY AND TECTONICS. *McGraw-Hill*, Dubuque, 495p.
- Kusky, T., van der Pluijm, B.A., Condie, K., and Coney, P. (Editors), 1996. TECTONIC SETTING AND TERRANE ACCRETION IN PRECAMBRIAN OROGENS. *Tectonophysics*, 265, 179p.
- van der Pluijm, B.A., Catacosinos, P.A. (Editors), 1996. BASEMENT AND BASINS OF EASTERN NORTH AMERICA. *Geol. Soc. Am. Spec. Paper*, 308, 209p.

OTHER PUBLICATIONS

- Brasseur, G., van der Pluijm, B., 2013. Earth's Future: Navigating the Science of the Anthropocene. [Earth's Future](#). doi: [10.1002/2013EF000221](#).
- Grimm, N., van der Pluijm, B., 2012. Sustainability needs the Geosciences. [Eos](#), **93**, 441.
- Killeen, T., Uhle, M., van der Pluijm, B., 2012. The International Opportunities Fund for Global Change Research. [Eos](#), **93**, 257-258.
- [Arts & the Environment](#) – Earth (installation), 2008.
- Carlson et al., 2002. EarthScope 2001: [Scientific Targets](#). 56p.
- Brown et al., 2003. Integrated Solid Earth Sciences (ISES) 2002. Report: “[Setting Priorities](#)”. 21p.
- MacNiocaill, C., van der Pluijm, B., Torsvik, T., 2001. Gathering recognizes contributions of former section president, *Eos*, **82**, 557.
- Book and Video reviews.

WoS Author=([van der pluijm b* or vanderpluijm b* or vanderpluum b*](#)); [ResearcherID](#).

Scopus Author=([van der pluijm b](#)).

Google Scholar=([Ben van der Pluijm](#)).

INVITED LECTURES

- | | |
|--|--|
| Montana State University (2015) | University of Wisconsin-Madison (2007) |
| Central Michigan University (2015) | Pennsylvania State University (2006) |
| University of Washington (2014) | Yale University (2003) |
| University of Michigan (2014) | Utrecht University, Netherlands (2002) |
| UNAM, Mexico (2014) | Ohio State University (2001) |
| AGU-Science Speaker (2014) | Universität Münster, Germany (1999) |
| University of the Pacific (2014) | Chinese Academy of Sciences, China (1999) |
| Purdue University (2014) | Qinghai Geological Institute, China (1999) |
| Cal State Univ, Bakersfield (2013) | Central Michigan University (1999) |
| University of Arkansas (2013) | Michigan State University (1999) |
| Texas A&M (2013) | Calvin College (1999) |
| Le Boreal, Greenland/UCAA (2013) | Bowling Green State University (1999) |
| Universität Greifswald, Germany (2013) | Northwestern University (1998) |
| GFZ-Potsdam, Germany (2013) | Norway Geological Survey, Norway (1997) |
| University of Auckland, NZ (2013) | University of Barcelona, Spain (1997) |
| Peru and Ecuador/UCAA (2012) | University of Cincinnati (1996) |
| Stanford University (2012) | Indiana University (1995) |
| University of Michigan (2012) | University of Western Ontario, Canada (1995) |
| Independent Colleges (2012; VTC) | Université de Montréal, Canada (1994) |
| Columbia University (2012) | Universiteit van Utrecht, Netherlands (1992) |
| Lamont Earth Observatory (2012) | University of Illinois-U/C (1991) |
| Portland State University (2012; VTC) | Western Michigan University (1991) |
| Arizona State University (2011) | Techn. Hochschule Darmstadt, Germany (1991) |
| Le Boreal, Antarctica/UCAA (2011) | Johannes Gutenberg Universität Mainz, Germany (1991) |
| University of Michigan (2011) | Bowling Green State University (1991) |
| Alberta Geological Survey, Canada (2010) | University of Michigan (1990) |
| University of Toronto, Canada (2010) | Bowling Green State University (1989) |
| University of Vermont (2010) | USGS-Reston (1989) |
| Western Michigan University (2009) | |

Western Michigan University (1988)

Michigan State University (1987)

Not listed:

Invited and keynote research presentations at (inter)national meetings and workshops.

Invited presentations on academic affairs at panels, workshops, programs, etc.

GRADUATE STUDENT ADVISER

Boles, Austin (PhD)	Lombard, Art D. (MSc 1990)
Busch, Jay P. (PhD 1996)	Lynch, Erin (PhD)
Carlson, Katherine A. (MSc 1988)	McNamara, Allen K. (MSc 1998)
Cederquist, Donald P. (MSc 1993)	McWhinnie, Scott T. (MSc 1988)
Craddock, John P. (PhD 1988)	Meyers, Elizabeth V. (MSc 1996)
Cureton, James S. (MSc 1994)	Nemkin, Samantha (PhD)
Gales, Julie E. (MSc 1987)	O'Brien, Timothy M. (MSc 2012)
Haines, Samuel (PhD 2008)	Ong, Philip (MSc, 2004)
Harris, John H. (MSc 1996)	Potts, Stephen S. (PhD, 1994)
Hassold, Noralynn J.C. (PhD 2006)	Rathmell, Mark A. (MSc 1993)
Hnat, James (PhD 2009)	Solum, John P. (PhD 2005)
Ho, Nei-Che "Nigel" (PhD 1997)	Streepey, Margaret M. (PhD 2001)
Housen, Bernard A. (PhD 1994)	Todaro, Sean M. (MSc 1994)
Howell, Paul D. (PhD 1993)	Tohver, Eric (PhD, 2003)
Johnson, Kathleen (BSc 1996)	Tourscher, Sara N. (MSc 2007)
Joseph, Leah H. (PhD 2001)	Tuccillo, Mary Ellen (MSc 1990)
Kolb, Tracy (BSc, 2003)	Weil, Arlo B. (PhD 2001)
Kollmeier, John M. (MSc 1999)	Wellensiek, M. Reid (MSc 1988)
Liss, Margo J. (MSc 1992)	Yonghong, Yan "Jessie" (MSc 2000)

POST-DOCTORAL FELLOWS/RESEARCH ASSOCIATES

Abad, Isabel (2010)	Nyman, Matthew W. (1997-98)
Day-Stirrat, Ruarri J. (2005-11)	Pares, Josep M. (1997-08)
Fitz-Diaz, Elisa (2011-13)	Rahl, Jeffrey M. (2005-06)
Haines, Samuel F. (2008)	Richter, Carl (1990-93)
Housen, Bernard A. (1994)	Schedl, Andrew D. (1986-87)
Jacob, Gerd (1997-99); deceased	Schleicher, Anja (2005-09)
Johnson, Rex J.E. (1987-90)	Stamatakis, John D. (1992-95)
Knoop, Peter J. (2002-06)	Tohver, Eric J. (2003-04)
Mac Niocaill, Conall (1995-96, 1999)	Verdel, Charles (2008-10)
Magloughlin, Jerry F. (1993-95)	Warr, Laurence N. (2000-04)
Mezger, Klaus (1989-91)	

COURSES (CO-TAUGHT)

GS105	Continents Adrift (1cr; ugrad)
GS120	National Parks (4cr; ugrad)
Earth159	Toward a sustainable human future (3cr; ugrad)
GS170	Matter, Life, Environment (1cr; ugrad)
Environ110/GS171	Global Change I: Physical Processes (4cr; ugrad)
Environ111/GS172	Global Change II: Human Impacts (4cr; ugrad)
	Global Change: The Sustainability Challenge (4cr; ugrad)
Environ212	Global Change III: Sustainability Studies (4cr; ugrad)
Earth212	Earth's Future (4cr; ugrad); new
GS205	How Earth Works: The Dynamic Planet (2cr; ugrad)
GS207	How Earth Works: Hands-On (2cr; ugrad)
GS265	How to Build a Habitable Planet (3cr; ugrad)
GS284/Environ284	Environmental Geology (4cr; ugrad)
GS351 (&451)	Structural Geology/Earth Structure (4cr; ugrad)
GS440	Fieldcamp for Geology Majors (8cr; ugrad)
GS515 (=GS606)	Tectonics (4cr; grad)
GS525	Tectonophysics (4cr; grad)

GS534 Annual Research Seminar in Geophysics, Tectonics and Structure (1cr; grad)
GS552 (=GS662) Advanced Structural Geology (3cr; grad):
 Mechanics in the Earth and Environmental Sciences (3cr; grad)
 Fracture Mechanics of Rocks (3cr; grad)
 Metamorphic Textures and Microstructures (3cd; grad)
 Strain Analysis (3cr; grad)

(Note: GS courses have been relabeled Earth after departmental name change in 2011 to Earth & Environmental Sciences)