



## Emese M. Bordy *Curriculum Vitae*

*My research focuses on the quantification of climatic and tectonic signatures in sedimentary rocks, with a strong emphasis on biogeographic and palaeo-ecological processes in the deep past. Most of my research is dedicated to decoding the world-famous rock record of southern Africa. I have two decades of geoscience teaching practice and am passionate about mentoring the next generation of Earth scientists. I enjoy my editorial work as well as scientific writing and illustrating.*



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[Emese Bordy @ UCT](#)



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### Research Profiles



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<https://tinyurl.com/BORDYGEO>



<i>h-index:</i>	28	24
<i>Citations:</i>	>2300	>1665
<i>Publications:</i>	90	87

### Postgraduate Students

	PhD	MSc	Hons*
Current:	2	1	0
Graduated:	8	16	32

\*Research projects

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## CAREER

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**Professor, Associate Professor, Senior Lecturer:** Department of Geological Sciences, University of Cape Town (UCT) 2011– to-date  
**Senior Lecturer, Lecturer:** Department of Geology, Rhodes University 2004–2011

**Acting Head of the Geology Department:** Rhodes University 2009, 2010; University of Fort Hare 2001; intermittently at UCT since 2011

**Geological consulting:** Rio Tinto Mining & Exploration Ltd. (South Africa); Anglo-Coal Botswana; Petroleum Agency South Africa - 2006; 2009; 2011; 2012; 2017

**Student Residence Hall & House Warden:** Oriel Hall (residence for >200 females), Rhodes University 2004–2005

**Postdoctoral Research Fellow:** University of the Witwatersrand (WITS) BPI Palaeontology/Evolutionary Science Institute, School of Geosciences) 2002–2003

**Senior Lecturer:** University of Fort Hare 2001

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## EDUCATION

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**Doctorate in Geology** - Rhodes University, Makhanda, South Africa, 2001

**Master of Geology** - Eötvös Loránd University, Budapest, Hungary, 1998

**Postgraduate Diploma in Higher Education** (with distinction) - Rhodes University, Makhanda, South Africa, 2006

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## TEACHING EXPERIENCE

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Over 25 years of teaching practice at all undergraduate and postgraduate levels at UCT, Rhodes University, WITS and University of Fort Hare that involves full-time lecturing, conducting practicals, setting and marking assessments and exams.

### Current teaching at UCT:

*\*Introduction to Earth Sciences* - 5 weeks @1<sup>st</sup>-year level: 200–330 students

*Clastic Sedimentology & Depositional Environments* - 3 weeks @3<sup>rd</sup> year

*Sedimentary Basin Analysis & Applied Palaeontology* - 4 weeks @Honours

\*Course convenor

### Past courses taught at UCT, Rhodes, WITS, University of Fort Hare:

Stratigraphy; Geological History of South Africa; Introduction to Sedimentology; Geoscience Professional Communication; Field Geology and Mapping (10-day field school for 18 years); Clastic and Carbonate Sedimentology; Basin Analysis; Sequence Stratigraphy; Hydrogeology; Palaeontology; Physical Geomorphology; Introduction to Geology

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## POSTGRADUATE SUPERVISION

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I have graduated over 55 postgraduate students and trained over 20 undergraduate students as research assistants. Students under my supervision regularly win prestigious academic awards and competitions (e.g., Howard Head, Lara Sciscio, Robert Muir, Mhairi Reid, Francisco Paiva). Since my arrival at UCT in 2011, I have established and manage the Sedimentology-Palaeontology Research Group, which has had on average ~10–15 members including postgraduate students and postdoctoral researchers. The outstanding productivity of the group is attested by the high number of citations of our co-published papers. The impact of our group may also be highlighted, among others, by the fact that the results from these projects were presented at several international and local conferences (>50 events since 2013). I have been nominated for the UCT Distinguished Teacher award by several students and multiple times. In 2021, I became the recipient of the UCT Science Faculty Established Teacher Award.

For a list of graduated students' names, see my UCT website ([click here](#)).

## Awards

UCT Science Faculty Established Teacher Award: 2021

Outstanding Article Award from the South African Journal of Science: 2021

Merit award of the Faculty of Science: 2017

NRF - Competitive Program for Rated Researchers: 2012, 2015, 2018

GENUS (NRF-DST Centre of Excellence in Palaeosciences): 2014–2021, 2023, 2024

NRF - African Origins Platform: 2011, 2012, 2013, 2016

NRF Incentive Funding for Rated Scientists: 2009–2018

University of Cape Town, Faculty of Science (various grants): 2013, 2014

University of Cape Town Research Council: 2011–

Deputy VC of Research and Development and Dean of Science Discretionary Grants (Rhodes University): 2010

NRF South African-Hungarian Science and Technology Cooperation: 2007, 2008

Joint Research Committee of Rhodes University: 2004, 2005, 2006, 2009, 2010, 2011

NRF Postdoctoral Research Fellowship: 2002–2004

De Beers Doctoral Scholarship (fully funded): 1998–2000

Scholarship of the Hungarian Republic: 1995–1996

TEMPUS & CEPUS Scholarships at the University of Reading, Postgraduate Research Institute for Sedimentology, UK: 1996–97 & Jagiellonian University of Krakow, Poland: 1995

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## RESEARCH EXPERIENCE

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My main research interest lies within the Palaeozoic and Mesozoic deposits of southern Africa with a strong focus on the quantification of the climatic and tectonic signatures in sedimentation and biogeographic processes. I enjoy applying clastic sedimentology, continental ichnology, geochemistry, and stratigraphy to the high-resolution reconstruction of ancient continental ecosystems spanning the entire Phanerozoic record of South Africa. My publication record (see below) reflects a passion not only for applying sedimentology, stratigraphy, and palaeontology to palaeoenvironmental reconstructions in fluvio-lacustrine to shallow marine settings, but also for integrating multidisciplinary observations at various scales to obtain robust palaeoecological snapshots of the geological past. My work is supported by the diverse background of my collaborators, who are local and international experts in palaeontology (palaeobotany, vertebrate palaeontology, taphonomy, ichnology), palaeomagnetism, geochronology, and low-temperature geochemistry.

I am a rated researcher by the National Research Foundation of South Africa (current NRF rating: B2 – considerable international peer-recognition for high-quality, impactful research) and the 2021 recipient of the Outstanding Article Award from the South African Journal of Science (SAJS). The award recognises outstanding work by African academics who seek to advance the SAJS's mission: to publish high-quality research from Africa that are of interest to readers across disciplines, makes an important contribution to general knowledge and benefits academics, educators and the general public.

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## PUBLICATION RECORD

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### Peer-reviewed publications

I published >90 ISI-listed research papers and book chapters, which attracted >2300 citations. After two decades in academia, my h-index is 28 in Google Scholar and 24 in Scopus. For the list of my papers, see my ORCID profile ([click here](#)).

### Conference abstracts

To date, I have produced >150, mostly peer-reviewed conference abstracts, and most of them, I co-authored with my postgraduate students. I firmly believe that presenting at scientific conferences effectively advances students' professional development, and therefore I actively promote their participation not only in advising them scientifically prior to these events, but also by securing funds for attending them.

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## ACADEMIC CITIZENSHIP

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### Teaching Related

Course convenor for GEO1009F (Introduction to Earth Sciences), a 1<sup>st</sup> year course for 200–330 students and Applied Palaeontology Honours module at UCT as well as 1<sup>st</sup> & 2<sup>nd</sup> year courses at Rhodes University

Science Faculty Student Advisor for Geology, Archaeology and Oceanography undergraduate students at UCT, 2011–2018

Student-nominated member of the Readmission Appeals Committee, Science Faculty, UCT 2021–2023

Regular external examiner of PhD theses, MSc dissertations, Honours projects and undergraduate curriculum at the University of Johannesburg; University of the Witwatersrand; University of the Free State; University of KwaZulu-Natal; James Cook University; Nelson Mandela Metropolitan University; Eötvös L. University; University of Fort Hare; Rhodes University; UCT.

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## ACADEMIC CITIZENSHIP

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### Teaching Related - *continued*

Leader of geological field courses at 1<sup>st</sup> and 2<sup>nd</sup> year levels for over two decades both at UCT and Rhodes University: academic and logistical preparation, implementation, including design, management, instruction and assessment of field work

Presenter at the UCT Open Day 2022, UCT Summer School 2023 and during Orientation Week both at UCT and Rhodes University for several years

Departmental representative in the Science Faculty Teaching and Learning Committee (member of the Lecturer Evaluation as well as Lecture Attendance Subcommittees) 2011–2019

Member of the Departmental Review Committee of the Department of Geology, University of Johannesburg

Portfolio assessor of academic staff for personal promotion at Rhodes University

Panel member on various higher education fora: Quantitative Literacy Panel of the National Benchmark Tests Project: 2009; invited presenter: Centre for Higher Education Research, Teaching and Learning, Rhodes University: 2007; New Lecturers' Orientation, Rhodes University: 2006

Programme Planning at the Faculty of Science, University of Fort Hare - Writing of Applied Physical and Earth Science Programmes & workshop on Quality Enhancement in Higher Education

Departmental representative at the Earth Science Teaching Committee (UCT) and Science Undergraduate Teaching Working Group (Rhodes University)

Visiting lecturer at Rhodes University (2002; 2003); University of the Witwatersrand (2003); UCT (2010)

### Research Related

Executive Editor in Sedimentology (since 2021) at *Geological Magazine* – a Cambridge University Press journal since 1864, focusing on fundamental geoscience principles that are rooted in observational geology (2022 IF = 2.3, ranks 68 out of 284 journals in Geology/ Earth and Planetary Sciences)

Associate Editor (since 2006) at *The Depositional Record (TDR)* – an open access sedimentology journal focusing on studying climate and environmental changes on Earth and other planets (2022 IF = 2.4, ranks 8 out of 48 journals in Geology)

Associate Editor (since 2006) at *PALAIOS* – a bimonthly journal of the Society for Sedimentary Geology dedicated to emphasizing the impact of life on Earth history (2022 IF = 1.6, ranks 22 out of 100 journals in Paleontology)

Editorial Board member (since 2022) at *Palaeogeography, Palaeoclimatology, Palaeoecology* – a palaeoenvironmental geoscience Elsevier journal that focuses on significant events in the evolution of life and environment (2022 IF = 3.0, ranks 2 out of 54 journals in Paleontology)

Editorial Board member (since 2018) at the *Journal of Palaeogeography* – an open-access, peer-review journal of Elsevier (2022 IF = 2.9, ranks 4 out of 54 journals in Paleontology)

Editorial Board member (2008, 2009, 2011, 2013, 2019, 2020) at the *South African Journal of Geology* – the oldest continuously published peer-reviewed scientific journal in Africa, since 1896 (2022 IF = 1.8, ranks 15 out of 48 journals in Geology)

Elected Member of the Executive Committee and Secretary – Palaeontological Society of Southern Africa (PSSA): 2018–

Elected Council Member – International Association of Sedimentologists (IAS): 2018–2022

Elected Council Member – Society for Sedimentary Geology (SEPM): 2018–2020

Technical Reference Group Member – Permanent Okavango River Basin Commission (OKACOM): 2020

South African Correspondent – International Association of Sedimentologists (IAS): 2010–2017

Country Ambassador – Society for Sedimentary Geology (SEPM): 2012–

Chair – Karoo Working Group of the South African Committee for Stratigraphy (SACS): 2007–2019

Senior Academic Member – Local Organizing and Scientific Committee for the “2020” and 2022 Biennial Meeting/s of the Palaeontological Society of Southern Africa

Chair – Local Organizing and Scientific Committee for the 2<sup>nd</sup> International Conference on Continental Ichnology: 2017

Elected Fellow – Geological Society of South Africa: 2015–

Invited reviewer of manuscripts at various journals: *Palaeogeography, Palaeoclimatology, Palaeoecology; Journal of Sedimentary Research; PALAIOS; Geological Magazine; Journal of African Earth Science; South African Journal of Geology; Palaeontologia africana*

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## ACADEMIC CITIZENSHIP

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### Research Related - *continued*

Invited reviewer of research proposals and researcher-rating applications: National Science Found of USA (NSF); South African National Research Foundation (NRF); National Research, Development and Innovation Office of Hungary (OTKA); University of Wisconsin-Milwaukee (USA); University of Cape Town; Elsevier Book Proposals.

Invited session chair/organizer at scientific conferences: 35<sup>th</sup> International Geological Congress, South Africa (Theme Champion for 'Sedimentary Processes - ancient to modern'); 4<sup>th</sup> International Workshop on Ichnotaxonomy, Russia; 16<sup>th</sup> Biennial Conference of the Palaeontological Society of Southern Africa, South Africa; 1<sup>st</sup> International Congress on Continental Ichnology, Morocco; Cape-Karoo Imbizo, South Africa; GeoCongress 2018 of the Geological Society of South Africa, South Africa

Invited presenter at scientific conferences: 37<sup>th</sup> Meeting of the International Association of Sedimentologists, Aberdeen, UK; Symposium on Toarcian Palaeobiology, Bath, UK; 6<sup>th</sup> International Conference of Palaeogeographers, Nanjing, China; on lacustrine sedimentation at the 14<sup>th</sup> Conference on Mesozoic Terrestrial Ecosystems (#MTE14) in Salt Lake City, Utah, USA and 34<sup>th</sup> Meeting of the International Association of Sedimentologists, Rome, Italy; on fluvial facies analysis at the 4<sup>th</sup> International Conference of Palaeogeographers, Beijing, China; on sedimentology and stratigraphy for palaeontologists at the 19<sup>th</sup> Biennial Conference of the Palaeontological Society of Southern Africa; on Karoo shale gas at the Centre for Minerals Research UCT (cmr.uct.ac.za), Cape Town, South Africa

Invited speaker on sedimentology and ichnology topics at various scientific/academic organizations: 'Global Vision' series by the International Office and Department of Geology of China University of Petroleum (Beijing); Geological Society of South Africa; PetroSA; South African Centre for Carbon Capture & Storage; iThemba Labs; Total Energy (France); UCT Summer School (Centre for Extra-Mural Studies); Khalifa University (Abu Dhabi, UAE); Eötvös Loránd University (Budapest, Hungary); etc.

Invited instructor on sedimentology and basin analysis research methods for industry delegates at Anglo-Coal Botswana; Petroleum Agency of South Africa

Invited public speaker on general geology topics at various secular organizations: Rotary Club; ProBus (Durbanville), Mountain Backpackers Club (Durban), Puppet Planet/Jungle Theatre Company (Cape Town), UCT (Sci Fac) Winter School, etc.

Invited workshop presenter on scientific writing for multidisciplinary/non-specialist audiences for postgraduates and emerging researchers organized by the South African Journal of Science (attended by several thousand online delegates)

Numerous interviews by media, including live radio and TV, on various geoscientific topics (e.g., geohazards impacting ancient life; dinosaur behaviour and palaeoenvironments; shale gas in the Karoo Basin) by The New York Times, the Mail & Guardian, Reuters, Discover Magazine, Daily Maverick, Hungarian National TV, international bloggers and online popular science magazines, UCT News, Women in Science, etc.

Advisor on museum displays: e.g., BPI Palaeontology/ESI, WITS; Valley of Desolation, Graaff-Reinet; Albany Museum, Makhanda; "Khodumodumo" Dinosaur Centre at Golden Gate Highlands National Park; SA National Museum Bloemfontein; Lower Moyeni Dinosaur Track Museum Lesotho; Cave House Masitise Lesotho

Active supporter of science education, conservation and preservation of African heritage: regularly disseminate the results of our largely field-based geoscience research in form of educational posters, pamphlets to the local communities (pupils, community leaders, educators, farmers, farm workers, tour leaders, local community museums, guest houses)

Member – Scientific Advisory Committee of the Palaeontological Scientific Trust (PAST)

Member – Steering Committee of GENUS (NRF-DST Centre of Excellence in Palaeosciences)

Member – Cape Working Group South African Committee for Stratigraphy: 2014–2016

Member – Pilot CO<sub>2</sub> Storage Project of the South African Centre for Carbon Capture & Storage: 2014–2016

Member – Karoo Research Initiative (CIMERA): 2013–2018

Member – Karoo Shale Gas 'task team' at UCT

Departmental representative in the UCT Library

Professional Memberships: International Association of Sedimentologists since 2011; International Association of Ichnologists since 2011; Society for Sedimentary Geology since 2015; International Association of Palaeogeographers since 2018; Geological Society of South Africa since 2003; Palaeontological Society of Southern Africa since 2003; Hungarian Geological Society (1992-1998; 2018)

Regular panel member on several Recruitment and Selection Committees at UCT & Rhodes University

Member of UCT Senate (since 2022, when nominated by geoscience academic staff); Board of the Faculty of Science at UCT and Rhodes University (2004–2011); UCT Faculty of Science Employment Equity Committee (2022–2024) and Remuneration Committee (2023–2024); Rhodes Board of Residences (2004–2005); Board of Residences Executive Committee (2005); Emergency Services Planning Committee (2005) at Rhodes University

Peer-reviewed publications – [click here](#) for PDFs; \*-denotes my postgrad co-authors:

1. Head\*, H., **Bordy, E.M.**, Bolhar, R. 2024. Sedimentation tempo in an Early Jurassic erg system: Refined chronostratigraphy and provenance of the Clarens Formation of southern Africa. *Basin Research* – <https://doi.org/10.1111/bre.12877> (open-access article)
2. Mpangala\*, L., Abrahams, M., **Bordy, E.M.** 2024. Substrate control in track registration and preservation: insights across the Triassic–Jurassic boundary in southern Africa. *Journal of Palaeogeography* – <https://doi.org/10.1016/j.jop.2024.01.001> (open-access article)
3. **Bordy E.M.**, Smith R.M.H., Choiniere J. N., Rubidge B.S. 2023. Selected Karoo geoheritage sites of paleontological significance in South Africa and Lesotho. Geological Society, London, Special Publications, Vol 543, <https://doi.org/10.1144/SP543-2022-202> (open-access article)
4. Sciscio, L., **Bordy, E.M.**, Lockley, M.G. and Abrahams, M., 2023. Basal sauropodomorph locomotion: ichnological lessons from the Late Triassic trackways of bipeds and quadrupeds (Elliot Formation, main Karoo Basin). *PeerJ*, 11, p.e15970. <https://doi.org/10.7717/peerj.15970> (open-access article)
5. Abrahams, M., and **Bordy, E.M.** 2023. The oldest fossil bird-like footprints from the Upper Triassic of southern Africa. *PLoS ONE* 18 (11): e0293021. <https://doi.org/10.1371/journal.pone.0293021> (open-access article)
6. Tolchard, F.B., **Bordy, E.M.**, Choiniere, J.N. 2023. New ‘rauisuchian’ fossil material from the lower Elliot Formation of South Africa. *Palaeontologia africana* 56: 180–189. <https://hdl.handle.net/10539/37138> (open-access article)
7. Spaggiari\*, R.I., **Bordy, E.M.** 2023. Anatomy of a diamondiferous gravel barrier spit at the palaeo-Orange River mouth, south-western Namibia. *Sedimentology* 1630–1654. <https://doi.org/10.1111/sed.13090> (open-access article)
8. Head\*, H., **Bordy, E.M.** 2023. Loess or lake sediments: Resolving the origin of massive beds in the Lower Jurassic of southern Africa. *Geological Journal* 58(5), 1822–1843. <https://doi.org/10.1002/gj.4695> (open-access article)
9. Lockley MG, Lallensack JN, Sciscio L, **Bordy EM** 2023. The early Mesozoic saurischian trackways *Evazoum* and *Otozoum*: implications for ‘prosauropod’ (basal sauropodomorph) gaits. *Historical Biology* <https://doi.org/10.1080/08912963.2022.2117042>
10. **Bordy, E.M.**, Lockley, M.G., Rampersadh\*, A., Mukaddam\*, R., Head\*, H. 2022. Life and land engulfed in the late Early Jurassic Karoo lavas of southern Gondwana. *Geological Magazine* 1-22. <https://doi.org/10.1017/S0016756822001169> (open-access article)
11. Head\*, H., **Bordy, E.M.** 2022. Lake dynamics in an Early Jurassic desert: Evidence from the Clarens Formation in southern Africa. *Sedimentology* 70, 865–894. <https://doi.org/10.1111/sed.13066> (open-access article)
12. Lallensack JN, **Bordy EM**, Lockley MG, Wings O 2022. Relaunching the TY tracksite: tridactyl dinosaur footprints from the Lower Jurassic of southern Africa. *Historical Biology* <https://doi.org/10.1080/08912963.2022.2117042> (open-access article)
13. Abrahams\* M, **Bordy EM**, Knoll F, Farlow JO 2022. Theropod tridactyl tracks across the Triassic–Jurassic boundary in southern Africa: Implications for pedal morphology evolution. *Frontiers in Ecology and Evolution* 10: 925313. <https://doi.org/10.3389/fevo.2022.925313> (open-access article)
14. **Bordy, E.M.** 2021. Darting towards Storm Shelter: a minute dinosaur trackway from southern Africa. *South African Journal of Science* 117 (5/6) <https://doi.org/10.17159/sajs.2021/9145> (open-access article, cover page & editors’ choice)
15. **Bordy, E.M.**, Haupt\*, T., Head\*, H.V. 2021. Karoo lava-fed deltas and a petrified forest from the Lower Jurassic of southern Gondwana. *Palaeogeography, Palaeoclimatology, Palaeoecology*. p.110484. <https://doi.org/10.1016/j.palaeo.2021.110484>
16. **Bordy, E.M.**; Sztanó, O. 2021. Badenian (middle Miocene) continental paleoenvironment in the Nógrád-Novohrad Basin (Central Paratethys): a volcano-sedimentary record from the Páris-patak Valley in Hungary. *Földtani Közlemény (Bulletin of the Hungarian Geological Society)* 151: 159–178 (open-access article & cover page) <https://doi.org/10.23928/foldt.kozl.2021.151.2.159> Watch its musical version here: <https://youtu.be/hUbxilQJNFk>
17. **Bordy, E.M.**; Paiva\*, F. 2021. Stratigraphic architecture of the Karoo river channels at the End-Capitanian. *Frontiers in Earth Science* 8: 521766. <https://doi.org/10.3389/feart.2020.521766> (open-access article)
18. Makhubele\*, M.H., **Bordy, E.M.** 2021. Sequence stratigraphy in the Algoa and Gamtoos Basins (South Africa): a shoreline’s journey since the Middle Mesozoic. *Geo-Marine Letters*. 41:52 (open access article) <https://doi.org/10.1007/s00367-021-00721-8>

19. Geel\*, C.; **Bordy, E.M.** 2021. Palaeo-environmental and provenance reconstruction of the Lower Permian mudstones (lower Ecca Group) in the main Karoo Basin, South Africa. *Journal of African Earth Sciences* p.104303. <https://doi.org/10.1016/j.jafrearsci.2021.104303>
20. Geel\*, C.; Nolte, S.; **Bordy, E.M.** 2021. Geomechanical properties of the Permian black shales in the southern main Karoo Basin: lessons from compositional and petrophysical studies. *South African Journal of Geology* 124.3 <https://doi.org/10.25131/sajg.124.0026>
21. Radermacher, VJ; Fernandez, V; Schachner, ER; Butler, R; **Bordy, EM**; Naylor Hudgins, M; de Klerk, WJ; Chapelle, KEJ; Choiniere, JN. 2021. A new *Heterodontosaurus* specimen elucidates the unique ventilatory macroevolution of ornithischian dinosaurs. eLife. <https://doi.org/10.7554/eLife.66036> (open-access article)
22. **Bordy E. M.**, Abrahams\* M., Sharman G. R., Viglietti P. A., Benson R. B. J., McPhee B. W., Barrett P. M., Sciscio\* L., Condon D., Mundil R., Rademan\* Z., Jinnah Z., Clark J. M., Suarez C. A., Chapelle K. E. J., Choiniere J. N. 2020. A chronostratigraphic framework for the upper Stromberg Group: implications for the Triassic-Jurassic boundary in southern Africa. *Earth-Science Reviews* 203: 103120. <https://doi.org/10.1016/j.earscirev.2020.103120>
23. **Bordy, E.M.**, Rampersadh\* A, Abrahams\*, M., Lockley, M.G., Head\*, H. 2020. Tracking the Pliensbachian–Toarcian Karoo firewalkers: Trackways of quadruped and biped dinosaurs and mammaliaforms. *PLoS ONE* 15(1): e0226847. <https://doi.org/10.1371/journal.pone.0226847> (open-access article)
24. **Bordy, E.M.** 2020. Depositional style changes during the Permo-Carboniferous – Early Jurassic evolution of the Central Kalahari Karoo Sub-basin, Botswana. *Geology Journal* 55:5514–5539. <https://doi.org/10.1002/gj.3751>
25. Muir, R. \*, **Bordy, E.M.**, Mundil R., Frei, D. 2020. Recalibrating the breakup history of SW Gondwana: U-Pb radioisotopic age constraints from the southern Cape of South Africa. *Gondwana Research* 84: 177–193. <https://doi.org/10.1016/j.gr.2020.02.011>
26. Viglietti P.A., McPhee B.W., **Bordy E.M.**, Sciscio\* L., Barrett P.M., Benson R. B. J., Wills S., Chapelle K. E. J., Dollman K. N., Mdekazi C., Choiniere J. N. (2020). Biostratigraphy of the *Massospondylus* Assemblage Zone (Stormberg Group, Karoo Supergroup), South Africa. *South African Journal of Geology* 123 (2), 249–262. <https://doi.org/10.25131/sajg.123.0018>
27. Viglietti P.A., McPhee B.W., **Bordy E.M.**, Sciscio\* L., Barrett P.M., Benson R. B. J., Wills S., Tolchard F., Choiniere J. N. 2020. Biostratigraphy of the *Scalenodontoides* Assemblage Zone (Stormberg Group, Karoo Supergroup), South Africa. *South African Journal of Geology* 123 (2), 239–248. <https://doi.org/10.25131/sajg.123.0017>
28. Abrahams\*, M., Sciscio\*, L., Reid\*, M., Haupt\*, T. & **Bordy, E.M.** 2020. Large tridactyl dinosaur tracks from the Early Jurassic of southern Gondwana - uppermost Elliot Formation, Upper Moyeni, Lesotho. *Annales Societatis Geologorum Poloniae* 90, 1–26. <https://doi.org/10.14241/asgp.2020.0> (open-access article)
29. Abrahams\*, M., **Bordy, E. M.** & Knoll, F. 2020. Hidden for one hundred years: a diverse theropod ichnoassemblage and tracks preserved in cross-section from the historic Early Jurassic Tsikoane ichnosite (Clarens Formation, northern Lesotho, southern Africa). *Historical Biology*, 33(10), 2504–2519. <https://doi.org/10.1080/08912963.2020.1810681>
30. Sciscio\*, L., **Bordy, E.M.**, Head\*, H. 2020. A Late Triassic aquatic community: *Undichna*-like and related swimming traces from a freshwater pond in the lower Elliot Formation of South Africa. *Journal of African Earth Sciences* <https://doi.org/10.1016/j.jafrearsci.2020.104026>
31. Mukaddam\*, R., **Bordy, E.M.**, Lockley, M.G., Chapelle K.E.J. 2020. Reviving *Kalosauropus*, an Early Jurassic sauropodomorph track from southern Africa (Lesotho). *Historical Biology* 33: 2908–2930. <https://doi.org/10.1080/08912963.2020.1834542>
32. **Bordy, E.M.**, O Sztanó, A Rampersadh\*, J Almond, JN Choiniere, 2019. Vertebrate scratch traces from the Middle Triassic Burgersdorp Formation of the main Karoo Basin, South Africa: Sedimentological and ichnological assessment. *Journal of African Earth Sciences* 160, 103594 <https://doi.org/10.1016/j.jafrearsci.2019.103594>
33. Runds\*, M.J., **Bordy, E.M.**, Pether, J. 2019. Late Quaternary sedimentological history of a submerged gravel barrier beach complex, southern Namibia. *Geo-Marine Letters*, <https://doi.org/10.1007/s00367-019-00590-2>
34. Reid. M. \*, Taylor, W., Brett C.E., Hunter, A.W. **Bordy, E.M.**, 2019. Taphonomy and paleoecology of an ophiuroid-stylophoran obrution deposit from the Lower Devonian Bokkeveld Group, South Africa. *PALAIOS* 34: 212-228 <https://doi.org/10.2110/palo.2018.048>
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