

CV Stuart Alan Gilder

Office Address Ludwig-Maximilians-Universität München
Department of Earth and Environmental Sciences
Theresienstrasse 41, 80333 Munich|
Phone: +49 89 2180 4239
Email: gilder@lmu.de

Academic

Habilitation 2000, Earth Sciences / Université Paris 7, France
Doctorate 1993, Earth Sciences / University of California at Santa Cruz, USA
Master's 1989, Earth Sciences / University of Texas at El Paso, USA
Mandarin study 1985, Fudan University, Shanghai, China
Bachelor's 1984, San Francisco State University, USA

Career

Since 2006 Professor of Geophysics / Ludwig Maximilians University Munich
2004 – 2006 Director of Geomagnetic Observatories / Institut de Physique du Globe de Paris
1996 – 2006 Physicien + Physicien Adjoint / Institut de Physique du Globe de Paris
1993 – 1996 Post-docs / Institut de Physique du Globe de Paris, France; UC Santa Cruz, USA

Publications: 129 peer-reviewed publications, about a third in AGU journals, with a few examples:

Ostermeier, F., Gilder, S., Wack, M., Jezek, J., He, K. Finn, D. (2026), Determining magnetic field intensity and direction from the anisotropy of magnetic remanence in sediments. *G³* 27, <https://doi.org/10.1029/2025GC012676>.
Sleptsova, I., Gilder, S., Dellefant, F., Trepmann, C., Ahanin, N., Pohl, J. (2024), Thermal and structural history of impact ejecta deposits, Ries impact structure, Germany. *JGRB* 129, <https://doi.org/10.1029/2023JB027460>.
Tauxe, L., Heslop, D., Gilder, S. (2024), Assessing paleosecular variation averaging and correcting paleomagnetic inclination shallowing. *JGRB* 129, <https://doi.org/10.1029/2024JB029502>.
Meng, J., Gilder, S., Wang, C., Coe, R., Tan, X., Zhao, X., He, K. (2019), Defining the limits of Greater India. *GRL* 46, <https://doi.org/10.1029/2019GL082119>.
Wei, Q., Gilder, S. (2013), Ferromagnetism of iron under pressure to 21.5 GPa. *GRL* 40, doi:10.1002/grl.51004.
Wack, M., Gilder, S. (2012), The SushiBar: An automated system for paleomagnetic investigations. *G³* 13, <https://doi.org/10.1029/2011GC003985>.
Gilder, S., LeGoff, M., Chervin, J.-C., Peyronneau, J. (2004), Magnetic properties of single and multi-domain magnetite under pressures from 0 to 6 GPa. *GRL* 31, doi:10.1029/2004GL019844.
Rousse, S., Gilder, S., Farber, D., McNulty, B., Patriat, P., Torres, V., Sempere, T. (2003), Paleomagnetic tracking of mountain building in the Peruvian Andes since 10 Ma. *Tectonics* 22, <https://doi.org/10.1029/2003TC001508>.
Gilder, S., Courtillot, V. (1997), Timing of the North-South China collision from new middle to late Mesozoic paleomagnetic data from the North China Block. *JGRB* 102, <https://doi.org/10.1029/97JB01201>.
Gilder, S., Gill, J., Coe, R., Zhao, X., Liu, Z., Wang, G., Yuan, K., Liu, W., Kuang, G., Wu, H. (1996), Isotopic and paleomagnetic constraints on the Mesozoic tectonic evolution of south China. *JGRB* 101, <https://doi.org/10.1029/96JB00662>.

Languages

English (mother tongue), Chinese (fairly fluent), French (fairly fluent), German (fairly fluent), Spanish (workable)—one-hour scientific lectures given in Chinese, English, French, German and Spanish.

Other (Current)

Coordinator, German National Science Foundation Priority Program 2404: Reconstructing the deep dynamics of planet Earth over geologic time (DeepDyn)
Associate Editor, *Tectonics* (American Geophysical Union)

Professional society memberships: AGU + EGU