

Marcia McNutt Selected Publications, as of June 27, 2017

(grouped by topic)

Thermo-mechanical Properties of the Lithosphere

- McNutt, M.K. and R.L. Parker, Isostasy in Australia and the evolution of the compensation mechanism, *Science*, 199, 773-775, 1978.
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- Rundle, John and M.K. McNutt, Southern California uplift: Is it or isn't it? *EOS, Trans. Amer. Geophys. Union*, 62, 97-98, 1981 (refereed journal article).
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- Menard, H.W. and M.K. McNutt, Evidence for and consequences of thermal rejuvenation of the lithosphere, *J. Geophys. Res.*, 87, 8570-8580, 1982.
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- Bonneville, A. and M.K. McNutt, Shear strength of the great Pacific fracture zones as derived from shipboard bathymetry and gravity, *Geophys. Res. Letts.*, 19, 2023-2026, 1992.
- Kogan, M.G. and M.K. McNutt, Gravity field over northern Eurasia and variations in the strength of the upper mantle, *Science*, 259, 473-479, 1993.
- Jordahl, Kelsey, Marcia McNutt, Helen Webb, Sarah Kruse, and Martha Kuykendall, Why there are no earthquakes on the Marquesas Fracture Zone, *J. Geophys. Res.*, 100, 24,431-24,447, 1995.

Seafloor Magnetism

- Shih, J.S.F., T. Atwater, and M.K. McNutt, A near-bottom geophysical traverse of the Reykjanes Ridge, *Earth Planet. Sci. Lett.*, 39, 75-83, 1978.
- McNutt, M.K. and Rodey Batiza, Paleomagnetism of Northern Cocos seamounts: Constraints on absolute plate motion, *Geology*, 9, 148-154, 1981.
- McNutt, M.K., Nonuniform magnetization of seamounts: a least-squares approach, *J. Geophys. Res.*, 91, 3686-3700, 1986.
- Jordahl, K.A., M. K. McNutt, and H. Zorn, Pacific-Farallon relative motion 42-59 determined from magnetic and tectonic data from the southern Austral Islands, *Geophys. Res. Letts.*, 25, 2869-2872, 1998.

Bathymetric Modeling

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- McNutt, M.K., Marine geodynamics: depth-age revisited, *Rev. Geophys.*, U.S. National Report Supplement, 413-418, 1995.
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Hotspot Swells and Superswells

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Ocean Exploration and Education

- McNutt, M. K. and R. D. Ballard, Two case studies of collaborations between aquariums and research institutions in exploration and education, *Mar. Tech. Soc. J.*, 35, 76-85, 2001.
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Continental Rifting

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Continental Collision Zones

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Deepwater Horizon

- Machlis, G., M. McNutt, Scenario-building for the *Deepwater Horizon* oil spill, *Science*, 329, 1018-19, 2010.
- McNutt, M., USGS science in the Gulf oil spill: Novel science application in a crisis, *Sea Technology*, 52, 13-14, 2011.
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Responsible Conduct of Science

Nosek, B.A., G. Alter, G. C. Banks, D. Borsboom, S. D. Bowman, S. J. Breckler, S. Buck, C. D. Chambers, G. Chin, G. Christensen, M. Contestabile, A. Dafoe, E. Eich, J. Freese, R. Glennerster, D. Goroff, D. P. Green, B. Hesse, M. Humphreys, J. Ishiyama, D. Karlan, A. Kraut, A. Lupia, P. Mabry, T. Madon, N. Malhotra, E. Mayo-Wilson, M. McNutt, E. Miguel, E. Levy Paluck, U. Simonsohn, C. Soderberg, B. A. Spellman, J. Turitto, G. VandenBos, S. Vazire, E. J. Wagenmakers, R. Wilson, and T. Yarkoni, Promoting an open research culture: The TOP Guidelines for journals, *Science*, 26 June 2015: **348** (6242), 1422-1425. [DOI:10.1126/science.aab2374].

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B. R. Jasny, N. Wigginton, M. McNutt, T. Bubela, S. Buck, R. Cook-Deegan, T. Gardner, B. Hanson, C. Hustad, V. Kiermer, D. Lazer, A. Lupia, A. Manrai, L. McConnell, K. Noonan, E. Phimister, B. Simon, K. Strandburg, Z. Summers, D. Watts, Fostering reproducibility in industry-academia partnerships, *Science*, submitted, 2017.