

## Publications (Journal articles & book chapters)

- Wiesmaier S**, Morgavi D, Renggli CJ, Perugini D, De Campos CP, Hess K-U, Ertel-Ingrisch W, Lavallée Y, Dingwell DB (2015): Magma mixing enhanced by bubble segregation. *Solid Earth* 6, 1007-1023, doi:10.5194/se-6-1007-2015, 2015.
- Wiesmaier, S.**, Heap, M.J., Branca, S., Gilg, H.A., Kueppers, U., Hess, K.-U., Lavallée, Y. and Dingwell, D.B. (2015). Variability in composition and physical properties of the sedimentary basement of Mt Etna, Italy. *Journal of Volcanology and Geothermal Research* 302, 102-116.
- Wiesmaier S**, Troll VR, Wolff JA, Carracedo JC (2013). Open-system processes in the differentiation of mafic magma in the Teide–Pico Viejo succession, Tenerife. *Journal of the Geological Society* 170, 557-570.
- Wiesmaier S**, Troll VR, Rodríguez-Badiola E, Carracedo JC (2013). Timing, Distribution and Petrological Evolution of the Teide-Pico Viejo Volcanic Complex. In: Carracedo JC & Troll VR (eds.) *Teide Volcano*: Springer Berlin Heidelberg, 978-3-642-25892-3, 155-172.
- Wiesmaier S**, Deegan F, Troll VR, Carracedo JC, Chadwick J (2013). Magma Mixing in the 1100 AD Montaña Reventada Composite Lava Flow: Interaction of Rift Zone and Central Complex Magmatism. In: Carracedo JC & Troll VR (eds.) *Teide Volcano*: Springer Berlin Heidelberg, 978-3-642-25892-3, 191-211.
- Wiesmaier S**, Troll V, Carracedo J, Ellam R, Bindeman I, Wolff J, Deegan F (2013). Magmatic Differentiation in the Teide–Pico Viejo Succession: Isotope Analysis as a Key to Deciphering the Origin of Phonolite Magma. In: Carracedo JC & Troll VR (eds.) *Teide Volcano*: Springer Berlin Heidelberg, 978-3-642-25892-3, 173-190.
- Carracedo JC, Rodriguez-Gonzalez A, Pérez-Torrado FJ, Fernandez-Turiel JL, Paris R, Rodríguez-Badiola E, Pestana-Pérez G, Troll VR, **Wiesmaier S** (2013). Geological Hazards in the Teide Volcanic Complex. In: Carracedo JC & Troll VR (eds.) *Teide Volcano*: Springer Berlin Heidelberg, 978-3-642-25892-3, 249-272.
- Pérez-Torrado FJ, Carracedo JC, Rodriguez-Gonzalez A, Rodríguez-Badiola E, Paris R, Troll VR, Clarke H, **Wiesmaier S** (2013). Eruptive Styles at the Teide Volcanic Complex. In: Carracedo JC & Troll VR (eds.) *Teide Volcano*: Springer Berlin Heidelberg, 978-3-642-25892-3, 213-231.
- Troll VR, Deegan F, Delcamp A, Carracedo JC, Harris C, Wyk de Vries B, Petronis M, Perez-Torrado F, Chadwick J, Barker A, **Wiesmaier S** (2013). Pre-Teide Volcanic Activity on the Northeast Volcanic Rift Zone. In: Carracedo JC & Troll VR (eds.) *Teide Volcano*: Springer Berlin Heidelberg, 978-3-642-25892-3, 75-92.
- Troll VR, Klügel A, Longpré MA, Burchardt S, Deegan FM, Carracedo JC, **Wiesmaier S**, Kueppers U, Dahmen B, Blythe LS, Hansteen TH, Freda C, Budd DA, Jolis EM, Jonsson E, Meade FC, Harris C, Berg SE, Mancini L, Polacci M, Pedroza K (2012). Floating stones off El Hierro, Canary Islands: xenoliths of pre-island sedimentary origin in the early products of the October 2011 eruption. *Solid Earth* 3, 97-110.
- Carracedo JC, Torrado FP, González AR, Soler V, Turiel JLF, Troll VR, **Wiesmaier S** (2012). The 2011 submarine volcanic eruption in El Hierro (Canary Islands). *Geology Today* 28, 53-58.
- Wiesmaier S**, Troll VR, Carracedo JC, Ellam RM, Bindeman I, Wolff JA (2012). Bimodality of Lavas in the Teide–Pico Viejo Succession in Tenerife—the Role of Crustal Melting in the Origin of Recent Phonolites. *Journal of Petrology* 53, 2465-2495.
- Pérez-Torrado FJ, Carracedo JC, Rodríguez-González A, Soler V, Troll VR, **Wiesmaier S** (2012). La erupción submarina de La Restinga en la isla de El Hierro, Canarias: Octubre 2011-Marzo 2012. *Estudios Geológicos* 68, 5-27.

## PUBLICATION LIST SEBASTIAN WIESMAIER

- Carracedo JC, Pérez-Torraso FJ, Rodriguez-Gonzalez A, Fernandez-Turiel JL, Klügel A, Troll VR, **Wiesmaier S** (2012). The ongoing volcanic eruption of El Hierro, Canary Islands. Eos, Transactions American Geophysical Union 93, 89-90.
- Wiesmaier S**, Deegan F, Troll V, Carracedo J, Chadwick J, Chew D. (2011). Magma mixing in the 1100 AD Montaña Reventada composite lava flow, Tenerife, Canary Islands: interaction between rift zone and central volcano plumbing systems. Contributions to Mineralogy and Petrology 162, 651-669.
- Carracedo JC, Fernandez-Turiel JL, Gimeno D, Guillou H, Klügel A, Krastel S, Paris R, Perez-Torraso FJ, Rodriguez-Badiola E, Rodriguez-Gonzalez A, Troll VR, Walter TR, **Wiesmaier S** (2011). Comment on "The distribution of basaltic volcanism on Tenerife, Canary Islands: Implications on the origin and dynamics of the rift systems" by A. Geyer and J. Martí. Tectonophysics 483 (2010) 310-326. Tectonophysics 503, 239-241.
- Carracedo JC, Guillou H, Nomade S, Rodriguez-Badiola E, Perez-Torraso FJ, Rodriguez-Gonzalez A, Paris R, Troll VR, **Wiesmaier S**, Delcamp A, Fernandez-Turiel JL (2011). Evolution of ocean-island rifts: The northeast rift zone of Tenerife, Canary Islands. Geological Society of America Bulletin 123, 562-584.
- Pérez-Torraso FJ, Rodríguez González A, Carracedo JC, Fernandez-Turiel JL, Gimeno D, **Wiesmaier S** (2010). Eyjafjalla: El volcán que tuvo en jaque a media Europa. Enseñanza de las Ciencias de la Tierra 18, 329-332.
- Fernandez-Turiel JL, Gimeno D, Pérez-Torraso FJ, Rodríguez González A, Carracedo JC, **Wiesmaier S** (2010). El caos del despertar del volcà Eyjafjalla. XVI Jornades de Meteorologia Eduard Fontserè – El volcà islandès Eyjafallajökull, ISBN 978-84-934207-5-8, 65-73.
- Carracedo JC, Guillou H, Rodríguez-Badiola E, Pérez-Torraso FJ, Rodríguez González A, Paris R, Troll VR, **Wiesmaier S**, Delcamp A, Fernandez-Turiel JL (2009). La dorsal NE de Tenerife: hacia un modelo del origen y evolución de los rifts de islas oceánicas. Estudios Geológicos 65, 1-43.
- Mulitza S, Bouimetarhan I, Brüning M, Freesemann A, Gussone N, Filipson H, Heil G, Hessler S, Jaeschke A, Johnstone H, Klann M, Klein F, Küster K, März C, McGregor H, Minning M, Müller H, Ochsenhirt W-T, Paul A, Schewe F, Schulz M, Steinlöchner J, Stuit J-B, Tjallingii R, Dobeneck T, **Wiesmaier S**, Zabel M, Zonneveld K (2006). Report and preliminary results of Meteor-Cruise M65/1, Dakar-Dakar, 11 Jun–01 Jul 2005. Berichte, Fachbereich Geowissenschaften, Universität Bremen 252, 149pp.