Numerous eruptions have occurred at Japanese volcanic islands in recent years. Representative eruptions and their products are introduced here along with field photographs. Photographs of the 2014 eruption of Ontake Volcano are provided by Oikawa et al. (2018). All times given in captions are Japan Standard Time (JST), which is UTC+9.

Reference

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**Fig. 2.** (A) The 2014 eruption of Nakadake, Aso Volcano, Kyushu. Photograph shows the ash cloud at 14:09 on Nov. 29, 2014. (B) The 2015 phreatic eruption of Owakudani, Hakone Volcano, Honshu, viewed from the NW at 17:41 on June 29, 2015.
Fig. 3. (A) Block-and-ash flow deposit generated by the 2015 eruption of Kuchinoerabujima Volcano, viewed from the western flank of Shindake (ca. 1 km west of the vent). (B) Thin volcanic ash layer deposited by a pyroclastic surge associated with the 2015 eruption of Kuchinoerabujima, photograph taken from the northwestern flank of Shindake (ca. 2 km northwest of the vent).

Fig. 4. (A) Tephra layer deposited by the sub-Plinian eruption of Shinmoedake, in 2011. The pumice-fall deposit is 10 cm thick at a distance of 6.8 km SE of the vent. The deposit consists of lapilli-size pumice clasts and volcanic ash. (B) Ash-fall deposit resulting from the Oct. 12, 2017 eruption of Shinmoedake, photograph taken on Oct. 13, 2017, at 3.5 km ENE from the vent. The tephra deposit consists of volcanic ash, which ranges in size from fine sand to mud, and contains abundant juvenile volcanic glass.

Fig. 5. (A) Tephra deposited by the 2007-2016 Vulcanian eruption of Sakurajima Volcano, observed on Mar. 15, 2016 at a distance of 2.2 km SSE from the vent, where the tephra layer is 37 cm thick. (B) Proximal tephra deposited by the 2014 ash-eruption from Aso Volcano, observed on Nov. 29, 2014, at a distance of 250 m SW from the vent. Here the deposit is 5 cm thick and consists of lapilli to block-size scoria. (C) Craters formed during the 2015 Owakudani eruption of Hakone Volcano, viewed from the NW on Jul. 13, 2015. (D) Syn-eruptive spouted-type lahar flowing down the Owakudani valley, photograph was taken at 15:56 on June 29, 2015.