# K R Anderson

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1457033/publications.pdf

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|---|---|---|---|
| 29 papers | 1,401 citations | 430874 18 h-index | 454955 30 g-index |
| 36 all docs | 36 docs citations | 36 times ranked | 1203 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Rainfall an unlikely factor in KÄ«laueaâ€™s 2018 rift eruption. Nature, 2022, 602, E7-E10. | 27.8 | 3 |
| 2 | Earthquakeâ€Derived Seismic Velocity Changes During the 2018 Caldera Collapse of KÄ«lauea Volcano. Journal of Geophysical Research: Solid Earth, 2022, 127, . | 3.4 | 8 |
| 3 | Repeating caldera collapse events constrain fault friction at the kilometer scale. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 17 |
| 4 | Multidisciplinary Constraints on Magma Compressibility, the Preâ€Eruptive Exsolved Volatile Fraction, and the H<sub>2</sub>O/CO<sub>2</sub> Molar Ratio for the 2006 Augustine Eruption, Alaska. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009911. | 2.5 | 10 |
| 5 | Evaluating the state-of-the-art in remote volcanic eruption characterization Part I: Raikoke volcano, Kuril Islands. Journal of Volcanology and Geothermal Research, 2021, 419, 107354. | 2.1 | 21 |
| 6 | Evaluating the state-of-the-art in remote volcanic eruption characterization Part II: Ulawun volcano, Papua New Guinea. Journal of Volcanology and Geothermal Research, 2021, 420, 107381. | 2.1 | 10 |
| 7 | Partly Cloudy With a Chance of Lava Flows: Forecasting Volcanic Eruptions in the Twentyâ€First Century. Journal of Geophysical Research: Solid Earth, 2020, 125, e2018JB016974. | 3.4 | 49 |
| 8 | Very-Long-Period (VLP) Seismic Artifacts during the 2018 Caldera Collapse at KÄ«lauea, Hawaiâ€˜i. Seismological Research Letters, 2020, 91, 3417-3432. | 1.9 | 8 |
| 9 | Caldera Collapse Geometry Revealed by Nearâ€Field GPS Displacements at KÄ«lauea Volcano in 2018. Geophysical Research Letters, 2020, 47, e2020GL088867. | 4.0 | 17 |
| 10 | The cascading origin of the 2018 KÄ«lauea eruption and implications for future forecasting. Nature Communications, 2020, 11, 5646. | 12.8 | 49 |
| 11 | The Prevalence and Significance of Offset Magma Reservoirs at Arc Volcanoes. Geophysical Research Letters, 2020, 47, e2020GL087856. | 4.0 | 21 |
| 12 | Mechanics of Inflationary Deformation During Caldera Collapse: Evidence From the 2018 KÄ«lauea Eruption. Geophysical Research Letters, 2019, 46, 11782-11789. | 4.0 | 27 |
| 13 | Physicochemical models of effusive rhyolitic eruptions constrained with InSAR and DEM data: A case study of the 2011-2012 CordÃ³n Caulle eruption. Earth and Planetary Science Letters, 2019, 524, 115736. | 4.4 | 19 |
| 14 | A Cautionary Tale of Topography and Tilt from KÄ«lauea Caldera. Geophysical Research Letters, 2019, 46, 4221-4229. | 4.0 | 10 |
| 15 | Temporal Variations in Scrubbing of Magmatic Gases at the Summit of KÄ«lauea Volcano, Hawaiâ€˜i. Geophysical Research Letters, 2019, 46, 14469-14476. | 4.0 | 3 |
| 16 | Magma reservoir failure and the onset of caldera collapse at KÄ«lauea Volcano in 2018. Science, 2019, 366, . | 12.6 | 112 |
| 17 | Cyclic lava effusion during the 2018 eruption of KÄ«lauea Volcano. Science, 2019, 366, . | 12.6 | 75 |
| 18 | The 2018 rift eruption and summit collapse of KÄ«lauea Volcano. Science, 2019, 363, 367-374. | 12.6 | 353 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Eruptions in sync: Improved constraints on KÄ«lauea Volcano's hydraulic connection. Earth and Planetary Science Letters, 2019, 507, 50-61. | 4.4 | 40 |
| 20 | Constraining the Magmatic System at Mount St. Helens (2004â€“2008) Using Bayesian Inversion With Physicsâ€Based Models Including Gas Escape and Crystallization. Journal of Geophysical Research: Solid Earth, 2017, 122, 7789-7812. | 3.4 | 12 |
| 21 | Abundant carbon in the mantle beneath Hawaiâ€˜i. Nature Geoscience, 2017, 10, 704-708. | 12.9 | 46 |
| 22 | Decaying Lava Extrusion Rate at El Reventador Volcano, Ecuador, Measured Using Highâ€Resolution Satellite Radar. Journal of Geophysical Research: Solid Earth, 2017, 122, 9966-9988. | 3.4 | 41 |
| 23 | Bayesian estimation of magma supply, storage, and eruption rates using a multiphysical volcano model: KÄ«lauea Volcano, 2000â€“2012. Earth and Planetary Science Letters, 2016, 447, 161-171. | 4.4 | 77 |
| 24 | The 2004â€“2008 dome-building eruption at Mount St. Helens, Washington: epilogue. Bulletin of Volcanology, 2015, 77, 1. | 3.0 | 21 |
| 25 | Lava lake level as a gauge of magma reservoir pressure and eruptive hazard. Geology, 2015, 43, 831-834. | 4.4 | 66 |
| 26 | Look up for magma insights. Nature Geoscience, 2014, 7, 168-169. | 12.9 | 1 |
| 27 | Bayesian inversion of data from effusive volcanic eruptions using physicsâ€based models: Application to Mount St. Helens 2004â€“2008. Journal of Geophysical Research: Solid Earth, 2013, 118, 2017-2037. | 3.4 | 94 |
| 28 | Physics-based models of ground deformation and extrusion rate at effusively erupting volcanoes. Journal of Geophysical Research, 2011, 116, . | 3.3 | 90 |
| 29 | Cyclic ground tilt associated with the 2004â€“2008 eruption of Mount St. Helens. Journal of Geophysical Research, 2010, 115, . | 3.3 | 45 |