

# Wilfried Strauch

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,271  
citations

516710

16  
h-index

610901

24  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1469  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the effectiveness of low-cost air quality monitors for identifying volcanic SO <sub>2</sub> and PM downwind from Masaya volcano, Nicaragua. <i>Volcanica</i> , 2022, 5, 13-39.	1.8	0
2	Assessing the effectiveness of low-cost air quality monitors for identifying volcanic SO <sub>2</sub> and PM downwind from Masaya volcano, Nicaragua. <i>Volcanica</i> , 2022, 5, 33-59.	1.8	1
3	Mechanisms of Unrest and Eruption at Persistently Restless Volcanoes: Insights From the 2015 Eruption of Telica Volcano, Nicaragua. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 4162-4183.	2.5	15
4	Structure of Masaya and Momotombo volcano, Nicaragua, investigated with a temporary seismic network. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 379, 1-11.	2.1	11
5	Tsunami hazard in Central America: history and future. <i>Geological Society Special Publication</i> , 2018, 456, 91-104.	1.3	2
6	Toward an Earthquake and Tsunami Monitoring and Early Warning System for Nicaragua and Central America. <i>Seismological Research Letters</i> , 2018, 89, 399-406.	1.9	10
7	Anomalous Diffuse CO <sub>2</sub> Emissions at the Masaya Volcano (Nicaragua) Related to Seismic-Volcanic Unrest. <i>Pure and Applied Geophysics</i> , 2014, 171, 1791-1804.	1.9	7
8	GPS and seismic constraints on the M <sub>A</sub> = 7.3 2009 Swan Islands earthquake: implications for stress changes along the Motagua fault and other nearby faults. <i>Geophysical Journal International</i> , 2012, 190, 1625-1639.	2.4	16
9	Volcaniclastic stratigraphy of the Tiscapa maar crater walls (Managua, Nicaragua): implications for volcanic and seismic hazards and Holocene climate changes. <i>International Journal of Earth Sciences</i> , 2010, 99, 1453-1470.	1.8	19
10	Constraints on upper mantle anisotropy surrounding the Cocos slab from SKKKS splitting. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	39
11	Walking through volcanic mud: the 2,100-year-old Acahualinca footprints (Nicaragua). <i>Bulletin of Volcanology</i> , 2009, 71, 479-493.	3.0	34
12	Forearc motion and Cocos Ridge collision in Central America. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	155
13	Shear wave anisotropy beneath Nicaragua and Costa Rica: Implications for flow in the mantle wedge. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	52
14	Arc-parallel flow in the mantle wedge beneath Costa Rica and Nicaragua. <i>Nature</i> , 2008, 451, 1094-1097.	27.8	201
15	Seismic tomography and earthquake locations in the Nicaraguan and Costa Rican upper mantle. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	90
16	Crustal structure along the southern Central American volcanic front. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	59
17	Volcanogenic Tsunamis in Lakes: Examples from Nicaragua and General Implications. <i>Pure and Applied Geophysics</i> , 2007, 164, 527-545.	1.9	37
18	A landslide database for Nicaragua: a tool for landslide-hazard management. <i>Landslides</i> , 2007, 4, 163-176.	5.4	69

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19	Fumarolic gases at Mombacho volcano (Nicaragua): presence of magmatic gas species and implications for volcanic surveillance. <i>Bulletin of Volcanology</i> , 2007, 69, 785-795.	3.0	10
20	Volcanogenic Tsunamis in Lakes: Examples from Nicaragua and General Implications. , 2007, , 527-545.		1
21	Strong-motion monitoring. , 2007, , .		1
22	Seismic hazard and microzonation. , 2007, , .		0
23	Seismic monitoring. , 2007, , .		0
24	Seismicity and neotectonics. , 2007, , .		0
25	Volcano seismology. , 2007, , .		0
26	Eruption of the dacite to andesite zoned Mateare Tephra, and associated tsunamis in Lake Managua, Nicaragua. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 149, 103-123.	2.1	26
27	Volcanic hazards in Nicaragua: Past, present, and future. , 2006, , .		16
28	Catastrophic precipitation-triggered lahar at Casita volcano, Nicaragua: occurrence, bulking and transformation. <i>Earth Surface Processes and Landforms</i> , 2005, 30, 59-79.	2.5	137
29	Magma-tectonic interactions in Nicaragua: the 1999 seismic swarm and eruption of Cerro Negro volcano. <i>Journal of Volcanology and Geothermal Research</i> , 2004, 137, 187-199.	2.1	58
30	Bookshelf faulting in Nicaragua. <i>Geology</i> , 2002, 30, 751.	4.4	71
31	Origin, effects of Masaya Volcano's continued unrest probed in Nicaragua. <i>Eos</i> , 1999, 80, 575-581.	0.1	36
32	1995 eruptions of Cerro Negro volcano, Nicaragua, and risk assessment for future eruptions. <i>Bulletin of the Geological Society of America</i> , 1998, 110, 1231-1241.	3.3	98