



# **Earth monitoring**

bibliography

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## Rotational seismology

Title	Disclosure	Date	Permalink
Comparing single-station 6C measurements and array measurements for seismic microzonation in Munich, Germany <i>Sabrina Keil et al.</i>	Geophysical Journal International, Volume 231, Issue 3	December 2022	<a href="#">Read more...</a>
Performance of a Rotational Sensor to Decipher Volcano Seismic Signals on Etna, Italy <i>Eva. P. S. Eibl et al.</i>	JGR Solid Earth	May 2022	<a href="#">Read more...</a>
A Low Noise Model for Rotational Ground Motions <i>Heiner Igel et al.</i>	EGU 2022	May 2022	<a href="#">Read more...</a>
Analytical developments on 6C computation inspired by navigation algorithms <i>Baptiste Pinot, iXblue, et al.</i>	EGU 2022	May 2022	<a href="#">Read more...</a>
Correcting the Background Tilt Signal of the Horizontal Seismometer Using a Rotation Sensor <i>Chin-Jen Lin, et al.</i>	Seismological Research Letters (2022) 93 (3): 1564–1572.	March 2022	<a href="#">Read more...</a>
Rotation, Strain, and Translation Sensors Performance Tests with Active Seismic Sources <i>Felix Bernauer et al.</i>	Sensors 2021, 21	January 2021	<a href="#">Read more...</a>
Multiple 6C-station Huddle Test in Fürstenfeldbruck, Germany <i>Gizem Izgi, et al.</i>	EGU 2020	May 2020	<a href="#">Read more...</a>
BlueSeis3A -full characterization of a 3C broadband rotational seismometer <i>Felix Bernauer, et al.</i>	SRL paper	2018	<a href="#">Read more...</a>
Measurement of the 3-component rotational motion induced by the Norcia earthquake (30/10/2016), Italy, with the portable 3-component rotational blueSeis-3A sensor at the Low Noise Underground Laboratory (LSBB), Rustrel, France <i>Olivier Sebe, et al.</i>	AGU 2017	December 2017	<a href="#">Read more...</a>

Title	Disclosure	Date	Permalink
Detecting volcano-related underground mass changes with a quantum gravimeter <i>L. Antoni-Micollier et al.</i>	Geophysical Research Letters	June 2022	<a href="#">Read more...</a>
Compact differential gravimeter at the quantum projection-noise limit <i>C. Janvier et al.</i>	Phys. Rev. A 105, 022801	7 February 2022	<a href="#">Read more...</a>
The NEWTON-g Gravity Imager: Toward New Paradigms for Terrain Gravimetry <i>D. Carbone et al.</i>	Front. Earth Sci., Sec. Solid Earth Geophysics	09 October 2020	<a href="#">Read more...</a>
Gravity measurements below 10 <sup>-9</sup> g with a transportable absolute quantum gravimeter <i>V. Menoret et al.</i>	Nature Scientific Report, 8:12300 (2018)	August 2018	<a href="#">Read more...</a>
The added value of time-variable microgravimetry to the understanding of how volcanoes work <i>D. Carbone et al.</i>	Earth-Science Rev. 169, 146 – 179 (2017)	June 2017	<a href="#">Read more...</a>
Geophysics From Terrestrial Time-Varying Gravity Measurements <i>M. Van Camp et al.</i>	Rev. Geophys. (2017)	September 2017	<a href="#">Read more...</a>
Cold-atom absolute gravimetry <i>F. Pereira Dos Santos et al.</i>	Encyclopedia of Geodesy, pp 1-6 (2016)	2016	<a href="#">Read more...</a>
Stability comparison of two absolute gravimeters at their best capabilities: optical versus atomic interferometers <i>P. Gillot et al.</i>	Metrologia 51, L15-L17 (2014)	June 2014	<a href="#">Read more...</a>

## Ocean-bottom system

Title	Disclosure	Date	Permalink
Sea-floor ground rotation observations: potential for improving signal-to-noise ratio on horizontal OBS components <i>Fabian Lindner et al.</i>	SRL paper	2016	<a href="#">Read more...</a>

## Volcanology & tectonic

Title	Disclosure	Date	Permalink
<p>Did the Younger Dryas to Holocene climate transition favour high seismicity rates in the north-western Alps? <i>Banjan M., et al.</i></p>	Sedimentology 70: 538-568	2022	<a href="#">Read more...</a>
<p>Gas detection and quantification using iXblue echoes high-resolution sub-bottom profiler and Seapix 3D multibeam echosounder from the Laacher See (Germany) <i>Jouve G. et al.</i></p>	International Conference on Seafloor Landforms, Processes and Evolution, Malta	4-6 July 2022	<a href="#">Read more...</a>
<p>The use of 6DOF measurement in volcano seismology – A first application to Stromboli volcano <i>J. Wassermann. et al.</i></p>	Journal of Volcanology and Geothermal Research 424(3):107499	Feb 2022	<a href="#">Read more...</a>
<p>Advancing the Analysis of Volcano-seismic Signals on Etna using Rotational Sensor Data <i>Eva Eibl, et al.</i></p>	EGU22-3158	April 2022	<a href="#">Read more...</a>
<p>Monitoring gas dynamics in underwater volcanic environments using iXblue SeapiX multi split beam echosounder: an example from the Laacher See (Eifel, Germany) <i>Jouve G. et al.</i></p>	EGU 2022	April 2022	<a href="#">Read more...</a>
<p>Gas detection and quantification using iXblue Echoes high-resolution sub-bottom profiler and Seapix 3D multibeam echosounder from the Laacher See (Eifel, Germany) <i>Jouve G. et al.</i></p>	OCEANS 2021 San Diego – Porto	2021	<a href="#">Read more...</a>
<p>Tectonic constraints on submarine hydrothermal activity, degassing, and subseafloor gas storage (Milos Shallow Water Hydrothermal System, Greece) <i>Escartin J. et al.</i></p>	EGU 2021	April 2021	<a href="#">Read more...</a>
<p>Geophysical evidence of gas seepage and mass movement in the Laacher See volcanic lake, western Germany <i>Albers S. et al.</i></p>	EGU 2021	April 2021	<a href="#">Read more...</a>
<p>Six-Axis Ground Motion Measurements of Caldera Collapse at Kilauea Volcano, Hawai'i—More Data, More Puzzles? <i>J. Wassermann, et al.</i></p>	Geophysical Research Letters	March 2020	<a href="#">Read more...</a>

Title	Disclosure	Date	Permalink
Active Strike-Slip Fault Monitoring Using Marine Geodesy, Offshore Mt Etna, Sicily (Italy) <i>J-Y Royer et al.</i>	EGU 2022	May 2022	<a href="#">Read more...</a>
Monitoring a submarine strike-slip fault, using a fiber optic strain cable <i>M-A Gutscher et al.</i>	EGU 2022	May 2022	<a href="#">Read more...</a>

## Archeology

Title	Disclosure	Date	Permalink
Stratigraphic record of lagoonal management since Antiquity: insights from sediment core analysis and sub-bottom profiling, lagoon of Orbetello, Italy <i>G. Jouve et al.</i>	ICG2022-22 – Session Geoarchaeology	September 2022	<a href="#">Read more...</a>

## Seismometers alignment

Title	Disclosure	Date	Permalink
Short Review of True-North Alignment Method on the Field Demonstrating the benefits of the use of an Optical Gyrocompass <i>F. Guattari et al.</i>	EGU21-16524	May 2022	<a href="#">Read more...</a>

## Building health monitoring

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Title	Disclosure	Date	Permalink
Characterization of Six-Degree-of-Freedom Sensors for Building Health Monitoring <i>Louisa Murray-Bergquist, et al.</i>	sensors volume 21	27 May 2021	<a href="#">Read more...</a>
Comparing Direct Observation of Torsion with Array-Derived Rotation in Civil Engineering Structures <i>Philippe Guéguen, et al.</i>	sensors volume 21	28 dec. 2021	<a href="#">Read more...</a>
High-Sensitivity Instrumentation to Monitor Rotation in Building including Soil-Structure Interaction <i>Philippe Guéguen, et al.</i>	AGU, Fall Meeting 2019, abstract #S21G-0592	Dec. 2019	<a href="#">Read more...</a>

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