Bruno Meurers

List of Publications by Year
in descending order

42 papers	834 citations	516710 16 h-index	501196 28 g-index
52 all docs	52 docs citations	52 times ranked	654 citing authors

#	Article	IF	Citations
1	Hydrological signals in tilt and gravity residuals at Conrad Observatory (Austria). Hydrology and Earth System Sciences, 2021, 25, 217-236.	4.9	6
2	The first pan-Alpine surface-gravity database, a modern compilation that crosses frontiers. Earth System Science Data, 2021, 13, 2165-2209.	9.9	12
3	Gravity as a tool to improve the hydrologic mass budget in karstic areas. Hydrology and Earth System Sciences, 2021, 25, 6001-6021.	4.9	6
4	Scale factor determination of spring type gravimeters in the amplitude range of tides by a moving mass device. Metrologia, 2020, 57, 015006.	1.2	2
5	Feasibility study applied to mapping tidal effects in the Pannonian basin â€“ An effort to check location dependencies at Î¼Gal level. Geodesy and Geodynamics, 2018, 9, 237-245.	2.2	3
6	Editorial note for the Geodesy and Geodynamics journal special issue. Geodesy and Geodynamics, 2018, 9, 183-186.	2.2	1
7	Scintrex CG5 used for superconducting gravimeter calibration. Geodesy and Geodynamics, 2018, 9, 197-203.	2.2	20
8	Geodynamics and Earth Tides Observations from Global to Micro Scale: Introduction. Pure and Applied Geophysics, 2018, 175, 1595-1597.	1.9	5
9	Geophysics From Terrestrial Timeâ€Variable Gravity Measurements. Reviews of Geophysics, 2017, 55, 938-992.	23.0	157
10	The Physical Meaning of Bouguer Anomaliesâ€”General Aspects Revisited. , 2017, , 13-30.		2
11	Modelling of global mass effects in hydrology, atmosphere and oceans on surface gravity. Computers and Geosciences, 2016, 93, 12-20.	4.2	25
12	Temporal variation of tidal parameters in superconducting gravimeter time-series. Geophysical Journal International, 2016, 205, 284-300.	2.4	15
13	Optimized strategy for the calibration of superconducting gravimeters at the one per mille level. Journal of Geodesy, 2016, 90, 91-99.	3.6	28
14	The reduction of hydrology-induced gravity variations at sites with insufficient hydrological instrumentation. Studia Geophysica Et Geodaetica, 2015, 59, 424-437.	0.5	13
15	A new tidal analysis of superconducting gravity observations in Western and Central Europe. Contributions To Geophysics and Geodesy, 2014, 44, 1-24.	0.6	3
16	Reply to Comment on: â€˜The quest for a consistent signal in ground and GRACE gravity time seriesâ€™, by Michel Van Camp, Olivier de Viron, Laurent MÃ©tivier, Bruno Meurers and Olivier Francis. Geophysical Journal International, 2014, 199, 1818-1822.	2.4	1
17	On the comparison of tidal gravity parameters with tidal models in central Europe. Journal of Geodynamics, 2014, 80, 12-19.	1.6	7
18	The quest for a consistent signal in ground and GRACE gravity time-series. Geophysical Journal International, 2014, 197, 192-201.	2.4	16

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19	Gravity effect of glacial ablation in the Eastern Alps â€“ observation and modeling. Cryosphere, 2013, 7, 491-498.	3.9	4
20	Superconducting Gravimeter Calibration by CoLocated Gravity Observations: Results from GWR C025. International Journal of Geophysics, 2012, 2012, 1-12.	1.1	33
21	Strikeâ€slip tectonics and Quaternary basin formation along the Vienna Basin fault system inferred from Bouguer gravity derivatives. Tectonics, 2012, 31, .	2.8	25
22	Harmonic Continuation and Gravimetric Inversion of Gravity in Areas of Negative Geodetic Heights. International Association of Geodesy Symposia, 2010, , 25-30.	0.4	0
23	On Ambiguities in Definitions and Applications of Bouguer Gravity Anomaly. International Association of Geodesy Symposia, 2010, , 19-24.	0.4	1
24	Characterizing longâ€time scale hydrological effects on gravity for improved distinction of tectonic signals. Journal of Geophysical Research, 2010, 115, .	3.3	21
25	Clear evidence for the sign-reversal of the pressure admittance to gravity near 3mHz. Journal of Geodynamics, 2009, 48, 371-377.	1.6	13
26	Relative Gravity Measurement Campaign during the 7th International Comparison of Absolute Gravimeters (2005). Metrologia, 2009, 46, 214-226.	1.2	12
27	Global ellipsoid-referenced topographic, bathymetric and stripping corrections to gravity disturbance. Studia Geophysica Et Geodaetica, 2008, 52, 19-34.	0.5	26
28	Gravity disturbances in regions of negative heights: A reference quasi-ellipsoid approach. Studia Geophysica Et Geodaetica, 2008, 52, 35-52.	0.5	9
29	Correcting superconducting gravity time-series using rainfall modelling at the Vienna and Membach stations and application to Earth tide analysis. Journal of Geodesy, 2007, 81, 703-712.	3.6	55
30	Hydrogeological investigations at the Membach station, Belgium, and application to correct long periodic gravity variations. Journal of Geophysical Research, 2006, 111, .	3.3	73
31	New gravity maps of the Eastern Alps and significance for the crustal structures. Tectonophysics, 2006, 414, 127-143.	2.2	28
32	A new physical foundation for anomalous gravity. Studia Geophysica Et Geodaetica, 2006, 50, 189-216.	0.5	17
33	Combination of temporal gravity variations resulting from superconducting gravimeter (SG) recordings, GRACE satellite observations and global hydrology models. Journal of Geodesy, 2006, 79, 573-585.	3.6	64
34	Comparison of Superconducting Gravimeter and CHAMP Satellite Derived Temporal Gravity Variations. , 2005, , 31-36.		1
35	Investigation of temporal gravity variations in SG-records. Journal of Geodynamics, 2004, 38, 423-435.	1.6	6
36	Results of the Sixth International Comparison of Absolute Gravimeters, ICAG-2001. Metrologia, 2002, 39, 407-424.	1.2	48

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37	Potentialâ€field continuation between irregular surfacesâ€”Remarks on the method by Xia et al.. Geophysics, 1998, 63, 104-108.	2.6	5
38	Microgravimetric measurements at the 1994 International Comparison of Absolute Gravimeters. Metrologia, 1995, 32, 145-152.	1.2	25
39	Problems of Gravimeter Calibration in High Precision Gravimetry. International Association of Geodesy Symposia, 1995, , 19-26.	0.4	1
40	On the isostatic state of the eastern Alps and the central Andes; A statistical comparison. Special Paper of the Geological Society of America, 1991, , 279-290.	0.5	15
41	APPARENT DENSITY MAPPING AND 3D GRAVITY INVERSION IN THE EASTERN ALPS1. Geophysical Prospecting, 1989, 37, 279-292.	1.9	25
42	BerÃ¼cksichtigung instrumenteller Eigenschaften eines LCR-D-Gravimeters bei der Kalibrierung und Auswertung von Erdgezeitenregistrierungen. Archives for Meteorology, Geophysics and Bioclimatology, Series A, 1981, 30, 313-325.	0.4	0