Ki-weon Seo

List of Publications by Year
in descending order

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40 papers	1,614 citations	471509 17 h-index	377865 34 g-index
40 all docs	40 docs citations	40 times ranked	2536 citing authors

#	Article	IF	Citations
1	Uncertainty in GRACE/GRACE-follow on global ocean mass change estimates due to mis-modeled glacial isostatic adjustment and geocenter motion. Scientific Reports, 2022, 12, 6617.	3.3	5
2	Secular polar motion observed by GRACE. Journal of Geodesy, 2021, 95, 40.	3.6	7
3	Sea level fingerprints and regional sea level change. Earth and Planetary Science Letters, 2021, 567, 116985.	4.4	14
4	Error Assessment of GRACE and GRACE Followâ€On Mass Change. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022124.	3.4	23
5	Basinâ€Scale River Runoff Estimation From GRACE Gravity Satellites, Climate Models, and In Situ Observations: A Case Study in the Amazon Basin. Water Resources Research, 2020, 56, e2020WR028032.	4.2	36
6	Model discrepancy of Earth polar motion using topological data analysis and convolutional neural network analysis. International Journal of Modern Physics C, 2020, 31, 2050117.	1.7	0
7	Antarctic ice mass variations from 1979 to 2017 driven by anomalous precipitation accumulation. Scientific Reports, 2020, 10, 20366.	3.3	11
8	Constrained Linear Deconvolution of GRACE Anomalies to Correct Spatial Leakage. Remote Sensing, 2020, 12, 1798.	4.0	7
9	Many Commonly Used Rainfallâ€Runoff Models Lack Long, Slow Dynamics: Implications for Runoff Projections. Water Resources Research, 2020, 56, e2019WR025286.	4.2	54
10	Global Ocean Mass Change From GRACE and GRACE Followâ€On and Altimeter and Argo Measurements. Geophysical Research Letters, 2020, 47, e2020GL090656.	4.0	47
11	Missing Hydrological Contribution to Sea Level Rise. Geophysical Research Letters, 2019, 46, 12049-12055.	4.0	20
12	Improved Quantification of Global Mean Ocean Mass Change Using GRACE Satellite Gravimetry Measurements. Geophysical Research Letters, 2019, 46, 13984-13991.	4.0	24
13	Global sea level change signatures observed by GRACE satellite gravimetry. Scientific Reports, 2018, 8, 13519.	3.3	37
14	Mass balance of the Antarctic Ice Sheet from 1992 to 2017. Nature, 2018, 558, 219-222.	27.8	759
15	A note on the annual wobble excitation due to the seasonal atmospheric loading on continents. Terrestrial, Atmospheric and Oceanic Sciences, 2018, 29, 721-729.	0.6	0
16	Application of the Empirical Orthogonal Functions on the GRACE Spherical Harmonic Solutions. Journal of the Korean Earth Science Society, 2018, 39, 473-482.	0.2	0
17	Estimation of Amazon River discharge based on EOF analysis of GRACE gravity data. Remote Sensing of Environment, 2017, 191, 55-66.	11.0	37
18	Ice and groundwater effects on long term polar motion (1979â€“2010). Journal of Geodynamics, 2017, 106, 66-73.	1.6	14

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19	Correlated error reduction in GRACE data over Greenland using extended empirical orthogonal functions. Journal of Geophysical Research: Solid Earth, 2017, 122, 5578-5590.	3.4	7
20	Active subglacial lakes and channelized water flow beneath the Kamb Ice Stream. Cryosphere, 2016, 10, 2971-2980.	3.9	9
21	Spurious barometric pressure acceleration in Antarctica and propagation into GRACE Antarctic mass change estimates. Geophysical Journal International, 2016, 206, 1306-1314.	2.4	5
22	A Study on the Dominant Driving Force of Plate Movement presented in the High School Earth Science Textbooks. Journal of the Korean Earth Science Society, 2016, 37, 62-77.	0.2	0
23	Changes of Ionospheric Total Electron Content Caused by Large-scale Earthquakes and Recent Earthquakes Occurred Around the Korean Peninsula. Geophysics and Geophysical Exploration, 2016, 19, 228-235.	0.2	0
24	Accelerated mass loss from Greenland ice sheet: Links to atmospheric circulation in the North Atlantic. Global and Planetary Change, 2015, 128, 61-71.	3.5	19
25	Surface mass balance contributions to acceleration of Antarctic ice mass loss during 2003â€“2013. Journal of Geophysical Research: Solid Earth, 2015, 120, 3617-3627.	3.4	25
26	Decadal and quadratic variations of Earth's oblateness and polar ice mass balance from 1979 to 2010. Geophysical Journal International, 2015, 203, 475-481.	2.4	8
27	Refinement of GRACE Gravity Model Including Earth's Mean Mass Variations. Journal of the Korean Earth Science Society, 2014, 35, 537-542.	0.2	1
28	Ice velocity mapping of Ross Ice Shelf, Antarctica by matching surface undulations measured by ICESat laser altimetry. Remote Sensing of Environment, 2012, 124, 251-258.	11.0	11
29	Evidence of the recent decade change in global fresh water discharge and evapotranspiration revealed by reanalysis and satellite observations. Asia-Pacific Journal of Atmospheric Sciences, 2012, 48, 153-158.	2.3	8
30	Global characteristics of the correlation and time lag between solar and ionospheric parameters in the 27-day period. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 77, 219-224.	1.6	22
31	The Origin of Double-Frequency Microseism and Its Seasonal Variability at King Sejong Station, Antarctica. Bulletin of the Seismological Society of America, 2011, 101, 1446-1451.	2.3	4
32	Data Reductions of Gravity Recovery and Climate Experiment (GRACE) Gravity Solutions and Their Applications. Journal of the Korean Earth Science Society, 2011, 32, 586-594.	0.2	1
33	GRACE and AMSRâ€Eâ€based estimates of winter season solid precipitation accumulation in the Arctic drainage region. Journal of Geophysical Research, 2010, 115, .	3.3	13
34	Evaluation of global land-to-ocean fresh water discharge and evapotranspiration using space-based observations. Journal of Hydrology, 2009, 373, 508-515.	5.4	22
35	S2 tide aliasing in GRACE time-variable gravity solutions. Journal of Geodesy, 2009, 83, 679-687.	3.6	54
36	Dynamics of surface water storage in the Amazon inferred from measurements of interâ€satellite distance change. Geophysical Research Letters, 2009, 36, .	4.0	56

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37	GRACE's spatial aliasing error. Geophysical Journal International, 2008, 172, 41-48.	2.4	67
38	Retrieving snow mass from GRACE terrestrial water storage change with a land surface model. Geophysical Research Letters, 2007, 34, .	4.0	48
39	Non-isotropic filtering of GRACE temporal gravity for geophysical signal enhancement. Geophysical Journal International, 2005, 163, 18-25.	2.4	138
40	Global sea level change signatures observed by GRACE satellite gravimetry. , 0, .		1