

# Chunli Dai

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

2,508  
citations

279487

23  
h-index

223531

46  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2848  
citing authors

#	ARTICLE	IF	CITATIONS
1	Accuracy assessment of global barotropic ocean tide models. <i>Reviews of Geophysics</i> , 2014, 52, 243-282.	9.0	338
2	Lake volume and groundwater storage variations in Tibetan Plateau's endorheic basin. <i>Geophysical Research Letters</i> , 2017, 44, 5550-5560.	1.5	305
3	Crustal Dilatation Observed by GRACE After the 2004 Sumatra-Andaman Earthquake. <i>Science</i> , 2006, 313, 658-662.	6.0	279
4	Extensive and drastically different alpine lake changes on Asia's high plateaus during the past four decades. <i>Geophysical Research Letters</i> , 2017, 44, 252-260.	1.5	223
5	Groundwater Storage Changes in China from Satellite Gravity: An Overview. <i>Remote Sensing</i> , 2018, 10, 674.	1.8	142
6	Understanding the global hydrological droughts of 2003–2016 and their relationships with teleconnections. <i>Science of the Total Environment</i> , 2019, 650, 2587-2604.	3.9	121
7	On the postprocessing removal of correlated errors in GRACE temporal gravity field solutions. <i>Journal of Geodesy</i> , 2009, 83, 1095-1106.	1.6	116
8	Improved estimation of terrestrial water storage changes from GRACE. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	71
9	Non-isotropic Gaussian smoothing and leakage reduction for determining mass changes over land and ocean using GRACE data. <i>Geophysical Journal International</i> , 2010, 181, 290-302.	1.0	67
10	The accuracy and applications of satellite altimetry. <i>Geophysical Journal International</i> , 1995, 121, 321-336.	1.0	54
11	Coseismic and postseismic deformation of the 2011 Tohoku–Oki earthquake constrained by GRACE gravimetry. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	53
12	Seasonal sea level change from TOPEX/Poseidon observation and thermal contribution. <i>Journal of Geodesy</i> , 2000, 73, 638-647.	1.6	48
13	Coastline extraction from repeat high resolution satellite imagery. <i>Remote Sensing of Environment</i> , 2019, 229, 260-270.	4.6	43
14	Integrating Landsat Imageries and Digital Elevation Models to Infer Water Level Change in Hoover Dam. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 1696-1709.	2.3	41
15	A study of Bangladesh's sub-surface water storages using satellite products and data assimilation scheme. <i>Science of the Total Environment</i> , 2018, 625, 963-977.	3.9	41
16	Regional high-resolution spatiotemporal gravity modeling from GRACE data using spherical wavelets. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	36
17	Description of the multi-approach gravity field models from Swarm GPS data. <i>Earth System Science Data</i> , 2020, 12, 1385-1417.	3.7	36
18	Efficient gravity field recovery using in situ disturbing potential observables from CHAMP. <i>Geophysical Research Letters</i> , 2002, 29, 36-1-36-4.	1.5	33

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19	Precise estimation of in situ geopotential differences from GRACE low-low satellite-to-satellite tracking and accelerometer data. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	32
20	Ten-year survey of cyanobacterial blooms in Ohio's waterbodies using satellite remote sensing. <i>Harmful Algae</i> , 2017, 66, 13-19.	2.2	30
21	Detection and Assessment of a Large and Potentially Tsunamigenic Periglacial Landslide in Barry Arm, Alaska. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089800.	1.5	30
22	The Improved Retrieval of Coastal Sea Surface Heights by Retracking Modified Radar Altimetry Waveforms. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 991-1001.	2.7	27
23	Measuring Lava Flows With ArcticDEM: Application to the 2012–2013 Eruption of Tolbachik, Kamchatka. <i>Geophysical Research Letters</i> , 2017, 44, 12,133.	1.5	25
24	Relationship between cyanobacterial bloom impacted drinking water sources and hepatocellular carcinoma incidence rates. <i>Harmful Algae</i> , 2020, 95, 101801.	2.2	25
25	Improved constraints on seismic source parameters of the 2011 Tohoku earthquake from GRACE gravity and gravity gradient changes. <i>Geophysical Research Letters</i> , 2014, 41, 1929-1936.	1.5	24
26	Estimating River Surface Elevation From ArcticDEM. <i>Geophysical Research Letters</i> , 2018, 45, 3107-3114.	1.5	23
27	The 28 November 2020 Landslide, Tsunami, and Outburst Flood – A Hazard Cascade Associated With Rapid Deglaciation at Elliot Creek, British Columbia, Canada. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	23
28	A technique to improve the accuracy of Earth orientation prediction algorithms based on least squares extrapolation. <i>Journal of Geodynamics</i> , 2013, 70, 36-48.	0.7	22
29	Validation of Jason-1 Nadir Ionosphere TEC Using GEONET. <i>Marine Geodesy</i> , 2004, 27, 741-752.	0.9	21
30	Regional surface mass anomalies from GRACE KBR measurements: Application of L <sup>1</sup> -curve regularization and a priori hydrological knowledge. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	20
31	Orientation of the Geometrically Best fitting Triaxial Lunar Ellipsoid with Respect to the Mean Earth/Polar Axis Reference Frame. <i>Journal of Geodetic Science</i> , 2011, 1, 52-58.	0.5	19
32	GRACE time-variable gravity field recovery using an improved energy balance approach. <i>Geophysical Journal International</i> , 2015, 203, 1773-1786.	1.0	19
33	Gravitational gradient changes following the 2004 December 26 Sumatra-Andaman Earthquake inferred from GRACE. <i>Geophysical Journal International</i> , 2012, , no-no.	1.0	18
34	On the energy integral formulation of gravitational potential differences from satellite-to-satellite tracking. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2015, 121, 415-429.	0.5	18
35	Regional four-dimensional hydrological mass variations from GRACE, atmospheric flux convergence, and river gauge data. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	17
36	Regional Validation of Jason-2 Dual-Frequency Ionosphere Delays. <i>Marine Geodesy</i> , 2010, 33, 272-284.	0.9	13

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37	Improved source parameter constraints for five undersea earthquakes from north component of GRACE gravity and gravity gradient change measurements. <i>Earth and Planetary Science Letters</i> , 2016, 443, 118-128.	1.8	12
38	Geodetic Constraints on the Qinghai-Tibetan Plateau Present-Day Geophysical Processes. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2011, 22, 241-253.	0.3	10
39	Accuracy Assessment of the TOPEX/Poseidon Ionosphere Measurements. <i>Marine Geodesy</i> , 2004, 27, 729-739.	0.9	8
40	Polyaxial Figures of the Moon. <i>Journal of Geodetic Science</i> , 2011, 1, 348-354.	0.5	8
41	Detection of Saturation in High-Resolution Pushbroom Satellite Imagery. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 1684-1693.	2.3	4
42	Characterization of the 2008 Phreatomagmatic Eruption of Okmok From ArcticDEM and InSAR: Deposition, Erosion, and Deformation. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018977.	1.4	3
43	Open loop tracking in $1\sigma$ ; Chinese Mars exploration mission: Yinghuo-1 Martian orbiter. , 2009, , .		2
44	Decoupled Lithospheric Folding, Lower Crustal Flow Channels, and the Growth of Tibetan Plateau. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	2
45	Investigation of stronger diurnal ERP signals in summer derived from the VLBI CONT08 campaign. <i>Science Bulletin</i> , 2010, 55, 3274-3278.	1.7	1
46	The effect of Earth's oblateness on the seismic moment estimation from satellite gravimetry. <i>Geophysical Journal International</i> , 2018, 213, 1297-1304.	1.0	1
47	Quantifying mass flows at Mt. Cleveland, Alaska between 2001 and 2020 using satellite photogrammetry. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 429, 107614.	0.8	1
48	Open loop doppler tracking in Chinese forthcoming Mars mission. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 209-211.	0.0	0
49	An improved geometric lunar figure from Chang'E-1 and SELENE laser altimetry. <i>Journal of Applied Geodesy</i> , 2011, 5, .	0.6	0
50	Polyaxial figures of the Moon from the lunar reconnaissance orbiter laser altimetry and multi-mission synthesis of the lunar shape. <i>Journal of Geodetic Science</i> , 2012, 2, 107-112.	0.5	0
51	QUANTIFICATION OF GLACIER DEPLETION IN THE CENTRAL TIBETAN PLATEAU BY USING INTEGRATED SATELLITE REMOTE SENSING AND GRAVIMETRY. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLI-B8, 399-402.	0.2	0
52	QUANTIFICATION OF GLACIER DEPLETION IN THE CENTRAL TIBETAN PLATEAU BY USING INTEGRATED SATELLITE REMOTE SENSING AND GRAVIMETRY. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLI-B8, 399-402.	0.2	0