

Byron D Tapley

List of Publications by Year in descending order

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192
papers

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196
docs citations

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times ranked

7452
citing authors

#	ARTICLE	IF	CITATIONS
1	The gravity recovery and climate experiment: Mission overview and early results. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	2,173
2	GRACE Measurements of Mass Variability in the Earth System. <i>Science</i> , 2004, 305, 503-505.	6.0	1,939
3	High-resolution CSR GRACE RL05 mascons. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 7547-7569.	1.4	735
4	Contributions of GRACE to understanding climate change. <i>Nature Climate Change</i> , 2019, 9, 358-369.	8.1	536
5	GGM02 " An improved Earth gravity field model from GRACE. <i>Journal of Geodesy</i> , 2005, 79, 467-478.	1.6	511
6	Adaptive sequential estimation with unknown noise statistics. <i>IEEE Transactions on Automatic Control</i> , 1976, 21, 520-523.	3.6	436
7	Variations in the Earth's oblateness during the past 28 years. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	391
8	Satellite Gravity Measurements Confirm Accelerated Melting of Greenland Ice Sheet. <i>Science</i> , 2006, 313, 1958-1960.	6.0	348
9	Secular variation of Earth's gravitational harmonic J2 coefficient from Lageos and nontidal acceleration of Earth rotation. <i>Nature</i> , 1983, 303, 757-762.	13.7	343
10	Deceleration in the Earth's oblateness. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 740-747.	1.4	333
11	Accelerated Antarctic ice loss from satellite gravity measurements. <i>Nature Geoscience</i> , 2009, 2, 859-862.	5.4	268
12	The Joint Gravity Model 3. <i>Journal of Geophysical Research</i> , 1996, 101, 28029-28049.	3.3	262
13	Precision orbit determination for TOPEX/POSEIDON. <i>Journal of Geophysical Research</i> , 1994, 99, 24383.	3.3	225
14	Anomalous warming in the Indian Ocean coincident with El Niño. <i>Journal of Geophysical Research</i> , 1999, 104, 3035-3047.	3.3	224
15	The 2009 exceptional Amazon flood and interannual terrestrial water storage change observed by GRACE. <i>Water Resources Research</i> , 2010, 46, .	1.7	218
16	2005 drought event in the Amazon River basin as measured by GRACE and estimated by climate models. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	210
17	Variations of the Earth's figure axis from satellite laser ranging and GRACE. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	202
18	Gravity model development for TOPEX/POSEIDON: Joint Gravity Models 1 and 2. <i>Journal of Geophysical Research</i> , 1994, 99, 24421.	3.3	184

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19	Contribution of ice sheet and mountain glacier melt to recent sea level rise. <i>Nature Geoscience</i> , 2013, 6, 549-552.	5.4	167
20	GRACE detects coseismic and postseismic deformation from the Sumatra-Andaman earthquake. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	162
21	The SEASAT altimeter data and its accuracy assessment. <i>Journal of Geophysical Research</i> , 1982, 87, 3179-3188.	3.3	148
22	Precise orbit determination for the GRACE mission using only GPS data. <i>Journal of Geodesy</i> , 2006, 80, 322-331.	1.6	141
23	Fundamentals of Orbit Determination. , 2004, , 159-284.		128
24	Patagonia Icefield melting observed by Gravity Recovery and Climate Experiment (GRACE). <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	126
25	Temporal variations in low degree zonal harmonics from Starlette orbit analysis. <i>Geophysical Research Letters</i> , 1989, 16, 393-396.	1.5	118
26	Antarctic mass rates from GRACE. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	114
27	Large scale ocean circulation from the GRACE GGM01 Geoid. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	109
28	Station coordinates, baselines, and Earth rotation from LAGEOS laser ranging: 1976-1984. <i>Journal of Geophysical Research</i> , 1985, 90, 9235-9248.	3.3	104
29	Long-term Caspian Sea level change. <i>Geophysical Research Letters</i> , 2017, 44, 6993-7001.	1.5	97
30	GPS Radio Occultation: Results from CHAMP, GRACE and FORMOSAT-3/COSMIC. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2009, 20, 35.	0.3	96
31	Long-term groundwater storage change in Victoria, Australia from satellite gravity and in situ observations. <i>Global and Planetary Change</i> , 2016, 139, 56-65.	1.6	95
32	Determination of long-term changes in the Earth's gravity field from satellite laser ranging observations. <i>Journal of Geophysical Research</i> , 1997, 102, 22377-22390.	3.3	94
33	Recent La Plata basin drought conditions observed by satellite gravimetry. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	91
34	Precise accelerometry onboard the GRACE gravity field satellite mission. <i>Advances in Space Research</i> , 2008, 42, 1414-1423.	1.2	88
35	Seasonal global water mass budget and mean sea level variations. <i>Geophysical Research Letters</i> , 1998, 25, 3555-3558.	1.5	86
36	Accuracy assessment of the large-scale dynamic ocean topography from TOPEX/POSEIDON altimetry. <i>Journal of Geophysical Research</i> , 1994, 99, 24605.	3.3	80

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37	Long-period ocean heat storage rates and basin-scale heat fluxes from TOPEX. Journal of Geophysical Research, 1997, 102, 10525-10533.	3.3	80
38	Antarctic regional ice loss rates from GRACE. Earth and Planetary Science Letters, 2008, 266, 140-148.	1.8	80
39	Reducing errors in the GRACE gravity solutions using regularization. Journal of Geodesy, 2012, 86, 695-711.	1.6	80
40	Alaskan mountain glacial melting observed by satellite gravimetry. Earth and Planetary Science Letters, 2006, 248, 368-378.	1.8	78
41	Geographically correlated orbit error and its effect on satellite altimetry missions. Journal of Geophysical Research, 1985, 90, 11817-11831.	3.3	77
42	Robust estimation of systematic errors of satellite laser range. Journal of Geodesy, 1999, 73, 345-349.	1.6	77
43	Low degree gravitational changes from GRACE: Validation and interpretation. Geophysical Research Letters, 2004, 31, .	1.5	75
44	Rapid ice melting drives Earth's pole to the east. Geophysical Research Letters, 2013, 40, 2625-2630.	1.5	72
45	Determination of the ocean circulation using Geosat altimetry. Journal of Geophysical Research, 1990, 95, 3163-3179.	3.3	71
46	Interannual variability of Greenland ice losses from satellite gravimetry. Journal of Geophysical Research, 2011, 116, .	3.3	71
47	Determination of ocean tides from the first year of TOPEX/POSEIDON altimeter measurements. Journal of Geophysical Research, 1994, 99, 24809.	3.3	70
48	Seasonal global mean sea level change from satellite altimeter, GRACE, and geophysical models. Journal of Geodesy, 2005, 79, 532-539.	1.6	68
49	Seasonal variations in low degree zonal harmonics of the Earth's gravity field from satellite laser ranging observations. Journal of Geophysical Research, 1999, 104, 2667-2681.	3.3	66
50	A comparison of coincident GRACE and ICESat data over Antarctica. Journal of Geodesy, 2009, 83, 1051-1060.	1.6	66
51	Variations in the Rotation of the Earth. Science, 1984, 224, 957-961.	6.0	63
52	The SEASAT altimeter wet tropospheric range correction. Journal of Geophysical Research, 1982, 87, 3213-3220.	3.3	61
53	Impact of short period, non-tidal, temporal mass variability on GRACE gravity estimates. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	60
54	Hydrological and oceanic effects on polar motion from GRACE and models. Journal of Geophysical Research, 2010, 115, .	3.3	60

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55	Radial, transverse and normal satellite position perturbations due to the geopotential. <i>Celestial Mechanics</i> , 1987, 40, 409-421.	0.1	59
56	Variations of global mesoscale eddy energy observed from Geosat. <i>Journal of Geophysical Research</i> , 1990, 95, 17865-17876.	3.3	58
57	Long-term and seasonal Caspian Sea level change from satellite gravity and altimeter measurements. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 2274-2290.	1.4	58
58	Dynamic orbit determination using GPS measurements from TOPEX/POSEIDON. <i>Geophysical Research Letters</i> , 1994, 21, 2179-2182.	1.5	57
59	Lageos laser ranging contributions to geodynamics, geodesy, and orbital dynamics. <i>Geodynamic Series</i> , 1993, , 147-173.	0.1	56
60	Hydrological and oceanic excitations to polar motion and length-of-day variation. <i>Geophysical Journal International</i> , 2000, 141, 149-156.	1.0	56
61	Error Analysis of a Low-Low Satellite-to-Satellite Tracking Mission. <i>Journal of Guidance, Control, and Dynamics</i> , 2002, 25, 1100-1106.	1.6	55
62	Comparison of several numerical optimization methods. <i>Journal of Optimization Theory and Applications</i> , 1967, 1, 1-32.	0.8	54
63	The accuracy and applications of satellite altimetry. <i>Geophysical Journal International</i> , 1995, 121, 321-336.	1.0	54
64	Coseismic and postseismic deformation of the 2011 Tohoku-Oki earthquake constrained by GRACE gravimetry. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	53
65	Statistical Orbit Determination Theory. <i>Astrophysics and Space Science Library</i> , 1973, , 396-425.	1.0	50
66	The understanding of length-of-day variations from satellite gravity and laser ranging measurements. <i>Geophysical Journal International</i> , 2011, 184, 651-660.	1.0	49
67	Seasonal sea level change from TOPEX/Poseidon observation and thermal contribution. <i>Journal of Geodesy</i> , 2000, 73, 638-647.	1.6	48
68	Global Ocean Mass Change From GRACE and GRACE Follow-On and Altimeter and Argo Measurements. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090656.	1.5	47
69	Geocenter Variations from Analysis of SLR Data. <i>International Association of Geodesy Symposia</i> , 2013, , 19-25.	0.2	46
70	Combination of TOPEX/POSEIDON data with a hydrographic inversion for determination of the oceanic general circulation and its relation to geoid accuracy. <i>Geophysical Journal International</i> , 1997, 128, 708-722.	1.0	45
71	Autonomous Navigation of Global Positioning System Satellites Using Cross-Link Measurements. <i>Journal of Guidance, Control, and Dynamics</i> , 1998, 21, 321-327.	1.6	44
72	On the use of tide gauges to determine altimeter drift. <i>Journal of Geophysical Research</i> , 1998, 103, 12885-12890.	3.3	40

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73	Circulation from a joint gravity field solution determination of the general ocean. Geophysical Research Letters, 1988, 15, 1109-1112.	1.5	38
74	Longâ€period perturbations in starlette orbit and tide solution. Journal of Geophysical Research, 1990, 95, 8723-8736.	3.3	37
75	Simulation of Dual One-Way Ranging Measurements. Journal of Spacecraft and Rockets, 2003, 40, 419-425.	1.3	37
76	Comparison of VLBI and SLR geocentric site coordinates. Geophysical Research Letters, 1991, 18, 231-234.	1.5	36
77	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.	1.7	36
78	The GPS flight experiment on TOPEX/POSEIDON. Geophysical Research Letters, 1994, 21, 2171-2174.	1.5	35
79	Precise orbit determination for GRACE using accelerometer data. Advances in Space Research, 2006, 38, 2131-2136.	1.2	35
80	Determination of the gravitational coefficient of the Earth from nearâ€Earth satellites. Geophysical Research Letters, 1989, 16, 271-274.	1.5	34
81	Jason-1 Precision Orbit Determination by Combining SLR and DORIS with GPS Tracking Data. Marine Geodesy, 2004, 27, 319-331.	0.9	33
82	Quantification of Ocean Mass Change Using Gravity Recovery and Climate Experiment, Satellite Altimeter, and Argo Floats Observations. Journal of Geophysical Research: Solid Earth, 2018, 123, 10,212.	1.4	33
83	Seasat Altimeter Calibration: Initial Results. Science, 1979, 204, 1410-1412.	6.0	32
84	Orbit determination in the presence of unmodeled accelerations. IEEE Transactions on Automatic Control, 1973, 18, 369-373.	3.6	31
85	Polar Motion Measurements: Subdecimeter Accuracy Verified by Intercomparison. Science, 1985, 229, 1259-1261.	6.0	31
86	Accurate measurement of mean sea level changes by altimetric satellites. Journal of Geophysical Research, 1986, 91, 11775-11782.	3.3	29
87	Measuring heat storage changes in the equatorial Pacific: A comparison between TOPEX altimetry and Tropical Atmosphere-Ocean buoys. Journal of Geophysical Research, 1998, 103, 18591-18597.	3.3	29
88	Canonical transformation applications to optimal trajectory analysis.. AIAA Journal, 1969, 7, 394-399.	1.5	28
89	Neutral Density Measurements from the Gravity Recovery and Climate Experiment Accelerometers. Journal of Spacecraft and Rockets, 2007, 44, 1220-1225.	1.3	28
90	Evaluation of the SEASAT altimeter time tag bias. Journal of Geophysical Research, 1982, 87, 3239-3245.	3.3	27

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91	A new assessment of long-wavelength gravitational variations. <i>Journal of Geophysical Research</i> , 2000, 105, 16271-16277.	3.3	27
92	Solar influence on satellite motion near the stable earth-moon libration points. <i>AIAA Journal</i> , 1964, 2, 728-732.	1.5	26
93	An extended canonical perturbation method. <i>Celestial Mechanics</i> , 1973, 7, 77-90.	0.1	26
94	Precision orbit determination for the Geosat Exact Repeat Mission. <i>Journal of Geophysical Research</i> , 1990, 95, 2887-2898.	3.3	25
95	Tidal deceleration of the Moon's mean motion. <i>Geophysical Journal International</i> , 1992, 108, 401-409.	1.0	25
96	Geocenter variations derived from GPS tracking of the GRACE satellites. <i>Journal of Geodesy</i> , 2009, 83, 895-901.	1.6	25
97	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
98	Designing the Climate Observing System of the Future. <i>Earth's Future</i> , 2018, 6, 80-102.	2.4	24
99	Improved Quantification of Global Mean Ocean Mass Change Using GRACE Satellite Gravimetry Measurements. <i>Geophysical Research Letters</i> , 2019, 46, 13984-13991.	1.5	24
100	Error Assessment of GRACE and GRACE Follow-On Mass Change. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022124.	1.4	23
101	Trajectory optimization using regularized variables.. <i>AIAA Journal</i> , 1969, 7, 1010-1017.	1.5	19
102	CASA UNO GPS orbit and baseline experiments. <i>Geophysical Research Letters</i> , 1990, 17, 643-646.	1.5	19
103	Interannual mean sea level change and the Earth's water mass budget. <i>Geophysical Research Letters</i> , 2000, 27, 3073-3076.	1.5	19
104	Oceanic effects on polar motion determined from an ocean model and satellite altimetry: 1993-2001. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	19
105	Vegetation health: Nature's climate monitor. <i>Advances in Space Research</i> , 1985, 5, 371-377.	1.2	18
106	Comparison of Earth rotation as inferred from radio interferometric, laser ranging and astrometric observations. <i>Nature</i> , 1983, 302, 509-511.	13.7	17
107	Dynamical Model Compensation for Near-Earth Satellite Orbit Determination. <i>AIAA Journal</i> , 1975, 13, 343-349.	1.5	16
108	Optimal solutions of unobservable orbit determination problems. <i>Celestial Mechanics</i> , 1988, 44, 339-363.	0.1	16

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109	First results from the GPS atmosphere sounding experiment TOR aboard the TerraSAR-X satellite. Atmospheric Chemistry and Physics, 2011, 11, 6687-6699.	1.9	16
110	Iteration procedures for indirect trajectory optimization methods.. Journal of Spacecraft and Rockets, 1968, 5, 321-327.	1.3	15
111	Analysis of earth rotation solution from Starlette. Journal of Geophysical Research, 1989, 94, 10167-10174.	3.3	15
112	Distribution of Reynolds stress carried by mesoscale variability in the Antarctic Circumpolar Current. Geophysical Research Letters, 1992, 19, 1201-1204.	1.5	15
113	Statistics of geostrophic turbulence in the southern ocean from satellite altimetry and numerical models. Physica D: Nonlinear Phenomena, 1996, 98, 599-613.	1.3	15
114	Chapter 10 Applications to Geodesy. International Geophysics, 2001, 69, 371-xxviii.	0.6	15
115	Large-scale mass redistribution in the oceans, 1993–2001. Geophysical Research Letters, 2003, 30, .	1.5	14
116	A simulation study of the errors of omission and commission for GRACE RLO1 gravity fields. Journal of Geodesy, 2006, 80, 341-351.	1.6	14
117	Reduction of geoid gradient error in ocean variability from satellite altimetry. Marine Geodesy, 1998, 21, 25-39.	0.9	13
118	Comparison of Linear and Riccati Equations Used to Solve Optimal Control Problems. AIAA Journal, 1972, 10, 1154-1159.	1.5	12
119	The SEASAT altimeter wet tropospheric range correction revisited. Marine Geodesy, 1984, 8, 221-248.	0.9	12
120	Satellite laser ranging and its applications. Celestial Mechanics and Dynamical Astronomy, 1985, 37, 247-261.	0.5	12
121	Geodynamic results from Starlette orbit analysis. Geodynamic Series, 1993, , 175-190.	0.1	12
122	Long-period variations in gravity field caused by mantle anelasticity. Journal of Geophysical Research, 1996, 101, 11243-11248.	3.3	12
123	The Tracking, Occultation and Ranging (TOR) instrument onboard TerraSAR-X and on TanDEM-X. , 2007, , .		12
124	Monitoring of Changes in Global Mean Sea Level Using Geosat Altimeter. Geophysical Monograph Series, 0, , 167-180.	0.1	12
125	Improved source parameter constraints for five undersea earthquakes from north component of GRACE gravity and gravity gradient change measurements. Earth and Planetary Science Letters, 2016, 443, 118-128.	1.8	12
126	Sequential estimation of the state and the observation-error covariance matrix. AIAA Journal, 1971, 9, 212-217.	1.5	11

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127	Density models for the upper atmosphere. <i>Celestial Mechanics</i> , 1979, 20, 271-295.	0.1	11
128	High-frequency signal and noise estimates of CSR GRACE RLO4. <i>Journal of Geodesy</i> , 2012, 86, 1165-1177.	1.6	11
129	Surface Force Modeling for Precision Orbit Determination. <i>Geophysical Monograph Series</i> , 2013, , 111-124.	0.1	11
130	Earth's Energy Imbalance Measured From Space. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 32-45.	2.7	11
131	Equivalence of the generalized Lie-Hori method and the method of averaging. <i>Celestial Mechanics</i> , 1984, 33, 1-20.	0.1	9
132	Geophysical contributions to satellite nodal residual variation. <i>Journal of Geophysical Research</i> , 1999, 104, 23237-23244.	3.3	9
133	Optimal Frequency Configuration for Dual One-Way Ranging Systems. <i>Journal of Spacecraft and Rockets</i> , 2005, 42, 749-751.	1.3	9
134	Rapid Mass Loss in West Antarctica Revealed by Swarm Gravimetry in the Absence of GRACE. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	9
135	Further results on solar influenced libration point motion.. <i>AIAA Journal</i> , 1965, 3, 1954-1956.	1.5	8
136	Regularization and the computation of optimal trajectories. <i>Celestial Mechanics</i> , 1970, 2, 319-333.	0.1	8
137	Lunar orbit determination in the presence of unmodeled accelerations. <i>Celestial Mechanics</i> , 1974, 9, 191-211.	0.1	8
138	Square-root variable-metric methods for minimization. <i>Journal of Optimization Theory and Applications</i> , 1977, 21, 251-259.	0.8	8
139	The consistency of the scale of the terrestrial reference frames estimated from SLR and VLBI data. <i>Geodynamic Series</i> , 1993, , 113-120.	0.1	8
140	Transformation between SLR/VLBI and WGS-84 reference frames. <i>Bulletin Geodesique</i> , 1995, 69, 61-72.	0.4	8
141	Correction to "Variations in the Earth's oblateness during the past 28 years". <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	7
142	Gravity model determination from the GRACE mission. <i>Journal of the Astronautical Sciences</i> , 2008, 56, 273-285.	0.8	7
143	Station Positions and Plate Motion from Lageos Long ARC LLA8903. <i>International Association of Geodesy Symposia</i> , 1990, , 1-10.	0.2	7
144	Polar motion and Earth rotation. <i>Reviews of Geophysics</i> , 1983, 21, 569-573.	9.0	6

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145	High-Frequency Noise in the Gravity Recovery and Climate Experiment Intersatellite Ranging System. <i>Journal of Spacecraft and Rockets</i> , 2012, 49, 1163-1173.	1.3	6
146	Geocenter motion time series derived from GRACE GPS and LAGEOS observations. <i>Journal of Geodesy</i> , 2019, 93, 1931-1942.	1.6	6
147	Accelerometer Parameterization and the Quality of Gravity Recovery and Climate Experiment Solutions. <i>Journal of Spacecraft and Rockets</i> , 2020, 57, 740-752.	1.3	6
148	Assessment of degree-2 order-1 gravitational changes from GRACE and GRACE Follow-on, Earth rotation, satellite laser ranging, and models. <i>Journal of Geodesy</i> , 2021, 95, 1.	1.6	6
149	Numerical Studies of Solar Influenced Particle Motion Near the Triangular Earth-Moon Libration Points. , 1970, , 128-142.		6
150	Optimization of non-linear systems with inequality constraints explicitly containing the control. <i>International Journal of Control</i> , 1970, 12, 497-510.	1.2	5
151	Coordinate system influence on the regularized trajectory optimization problem. <i>Journal of Spacecraft and Rockets</i> , 1971, 8, 15-20.	1.3	5
152	Comparison of Statistical Orbit Determination Methods. <i>AIAA Journal</i> , 1974, 12, 1465-1466.	1.5	5
153	Generalized Random Processes: A Theory and the White Gaussian Process. <i>SIAM Journal on Control and Optimization</i> , 1975, 13, 719-735.	1.6	5
154	A sequential method for filtering satellite altimeter measurements. <i>Journal of Geophysical Research</i> , 1979, 84, 4061-4070.	3.3	5
155	Rate of change of the Quincy Monument Peak baseline from a translocation analysis of LAGEOS Laser Range Data. <i>Geophysical Research Letters</i> , 1989, 16, 539-542.	1.5	5
156	Thermosteric Effects on Interannual and Long-term Global Mean Sea Level Changes. <i>Journal of Geodesy</i> , 2006, 80, 240-247.	1.6	5
157	Estimation of unmodeled forces on a lunar satellite. <i>Celestial Mechanics</i> , 1975, 12, 409-424.	0.1	4
158	New Method for Propagating the Square Root Covariance Matrix in Triangular Form. <i>AIAA Journal</i> , 1975, 13, 681-683.	1.5	4
159	Multitarget classification and estimation using clustering techniques. <i>Journal of Guidance, Control, and Dynamics</i> , 1990, 13, 121-127.	1.6	4
160	A low cost Mercury orbiter mission. <i>Acta Astronautica</i> , 1995, 35, 445-454.	1.7	4
161	Computing the USO frequency instability of GRACE satellites. , 2010, , .		4
162	A General Ocean Circulation Model Determined in a Simultaneous Solution with the Earth's Gravity Field. <i>International Association of Geodesy Symposia</i> , 1990, , 158-166.	0.2	4

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163	Persistent solar influenced libration point motion.. AIAA Journal, 1968, 6, 1405-1406.	1.5	3
164	Polar motion results from Geos 3 laser ranging. Journal of Geophysical Research, 1979, 84, 3951-3958.	3.3	3
165	A new method for computing the spectrum of the gravitational perturbations on satellite orbits. Celestial Mechanics and Dynamical Astronomy, 1995, 62, 117-143.	0.5	3
166	Non-tidal Oceanic Contribution to the Variation of the Earth's Oblateness. Chinese Journal of Geophysics, 2004, 47, 484-489.	0.2	3
167	Estimation of non-gravitational acceleration difference between two co-orbiting satellites using single accelerometer data. Journal of Geodesy, 2015, 89, 537-550.	1.6	3
168	Observed Temporal Variations in the Earth's Gravity Field from 16-year Starlette Orbit Analysis. International Association of Geodesy Symposia, 1992, , 83-91.	0.2	3
169	The determination of large-scale sea surface topography and its variations using geosat altimetry. Geophysical Monograph Series, 1994, , 21-32.	0.1	3
170	Terminal Guidance for Continuous Powered Space Vehicles. AIAA Journal, 1966, 4, 1683-1684.	1.5	2
171	A test for the sign of the second variation.. AIAA Journal, 1967, 5, 1682-1683.	1.5	2
172	A modified perturbation method for solving optimal control problems with state variable inequality constraints. AIAA Journal, 1971, 9, 2222-2228.	1.5	2
173	Estimation of unmodeled forces on a low-thrust space vehicle. Journal of Spacecraft and Rockets, 1975, 12, 592-598.	1.3	2
174	Polar Motion from Laser Range Measurements of GEOS-3. Symposium - International Astronomical Union, 1979, 82, 239-244.	0.1	2
175	Formation of surface spherical harmonic normal matrices and application to high-degree geopotential modeling. Journal of Geodesy, 2000, 74, 359-375.	1.6	2
176	The new GRACE gravity mission and its value to exploration. , 2004, , .		2
177	The Use of GPS Data for Global Gravity Field Determination. International Association of Geodesy Symposia, 1996, , 42-49.	0.2	2
178	Riccati transformations for control optimization using the second variation. , 1970, , .		1
179	The computation of optimal control programmes using a modified successive sweep method. International Journal of Control, 1972, 15, 465-479.	1.2	1
180	Estimation of Random Changes in the Earth's Rotation. Symposium - International Astronomical Union, 1972, 48, 172-178.	0.1	1

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181	Sequential filtering applied to the determination of tracking station locations. Journal of Geophysical Research, 1975, 80, 823-831.	3.3	1
182	Neutral Density Measurements from the GRACE Accelerometers. , 2006, , .		1
183	Thermospheric Densities from Analysis of 6-Year GRACE Accelerometer Data. , 2008, , .		1
184	The Accuracy Assessment of Precise Orbits Computed from Doppler Tracking Data. Journal of the Astronautical Sciences, 1997, 45, 451-469.	0.8	1
185	Reply by Authors to W.E. Schmitendorf. AIAA Journal, 1968, 6, 1630-1631.	1.5	0
186	Mixed Observable Estimation of Random Thrust Errors for Solar Electric Propulsion Spacecraft. Journal of Guidance and Control, 1979, 2, 49-56.	0.7	0
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