

Byron D Tapley

List of Publications by Year in descending order

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192
papers

15,301
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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Error Assessment of GRACE and GRACE Follow-on Mass Change. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022124.	1.4	23
3	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
4	Basin-scale River Runoff Estimation From GRACE Gravity Satellites, Climate Models, and In Situ Observations: A Case Study in the Amazon Basin. <i>Water Resources Research</i> , 2020, 56, e2020WR028032.	1.7	36
5	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
6	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
7	Earth's Energy Imbalance Measured From Space. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 32-45.	2.7	11
8	Geocenter motion time series derived from GRACE GPS and LAGEOS observations. <i>Journal of Geodesy</i> , 2019, 93, 1931-1942.	1.6	6
9	Contributions of GRACE to understanding climate change. <i>Nature Climate Change</i> , 2019, 9, 358-369.	8.1	536
10	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
11	Designing the Climate Observing System of the Future. <i>Earth's Future</i> , 2018, 6, 80-102.	2.4	24
12	Quantification of Ocean Mass Change Using Gravity Recovery and Climate Experiment, Satellite Altimeter, and Argo Floats Observations. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 10,212.	1.4	33
13	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
14	Long-term Caspian Sea level change. <i>Geophysical Research Letters</i> , 2017, 44, 6993-7001.	1.5	97
15	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
16	High-resolution CSR GRACE RL05 mascons. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 7547-7569.	1.4	735
17	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
18	Estimation of non-gravitational acceleration difference between two co-orbiting satellites using single accelerometer data. <i>Journal of Geodesy</i> , 2015, 89, 537-550.	1.6	3

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19	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
20	Rapid ice melting drives Earth's pole to the east. <i>Geophysical Research Letters</i> , 2013, 40, 2625-2630.	1.5	72
21	Contribution of ice sheet and mountain glacier melt to recent sea level rise. <i>Nature Geoscience</i> , 2013, 6, 549-552.	5.4	167
22	Deceleration in the Earth's oblateness. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 740-747.	1.4	333
23	Surface Force Modeling for Precision Orbit Determination. <i>Geophysical Monograph Series</i> , 2013, , 111-124.	0.1	11
24	Geocenter Variations from Analysis of SLR Data. <i>International Association of Geodesy Symposia</i> , 2013, , 19-25.	0.2	46
25	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
26	Reducing errors in the GRACE gravity solutions using regularization. <i>Journal of Geodesy</i> , 2012, 86, 695-711.	1.6	80
27	High-frequency signal and noise estimates of CSR GRACE RL04. <i>Journal of Geodesy</i> , 2012, 86, 1165-1177.	1.6	11
28	Coseismic and postseismic deformation of the 2011 Tohoku earthquake constrained by GRACE gravimetry. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	53
29	Interannual variability of Greenland ice losses from satellite gravimetry. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	71
30	Variations of the Earth's figure axis from satellite laser ranging and GRACE. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	202
31	First results from the GPS atmosphere sounding experiment TOR aboard the TerraSAR-X satellite. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6687-6699.	1.9	16
32	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
33	Hydrological and oceanic effects on polar motion from GRACE and models. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	60
34	Recent La Plata basin drought conditions observed by satellite gravimetry. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	91
35	The 2009 exceptional Amazon flood and interannual terrestrial water storage change observed by GRACE. <i>Water Resources Research</i> , 2010, 46, .	1.7	218
36	Computing the USO frequency instability of GRACE satellites. , 2010, , .		4

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37	GPS Radio Occultation: Results from CHAMP, GRACE and FORMOSAT-3/COSMIC. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2009, 20, 35.	0.3	96
38	Geocenter variations derived from GPS tracking of the GRACE satellites. <i>Journal of Geodesy</i> , 2009, 83, 895-901.	1.6	25
39	A comparison of coincident GRACE and ICESat data over Antarctica. <i>Journal of Geodesy</i> , 2009, 83, 1051-1060.	1.6	66
40	Accelerated Antarctic ice loss from satellite gravity measurements. <i>Nature Geoscience</i> , 2009, 2, 859-862.	5.4	268
41	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
42	Precise accelerometry onboard the GRACE gravity field satellite mission. <i>Advances in Space Research</i> , 2008, 42, 1414-1423.	1.2	88
43	Thermospheric Densities from Analysis of 6-Year GRACE Accelerometer Data. , 2008, , .		1
44	Antarctic regional ice loss rates from GRACE. <i>Earth and Planetary Science Letters</i> , 2008, 266, 140-148.	1.8	80
45	Gravity model determination from the GRACE mission. <i>Journal of the Astronautical Sciences</i> , 2008, 56, 273-285.	0.8	7
46	Neutral Density Measurements from the Gravity Recovery and Climate Experiment Accelerometers. <i>Journal of Spacecraft and Rockets</i> , 2007, 44, 1220-1225.	1.3	28
47	The Tracking, Occultation and Ranging (TOR) instrument onboard TerraSAR-X and on TanDEM-X. , 2007, , .		12
48	GRACE detects coseismic and postseismic deformation from the Sumatra-Andaman earthquake. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	162
49	Patagonia Icefield melting observed by Gravity Recovery and Climate Experiment (GRACE). <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	126
50	Neutral Density Measurements from the GRACE Accelerometers. , 2006, , .		1
51	Antarctic mass rates from GRACE. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	114
52	Satellite Gravity Measurements Confirm Accelerated Melting of Greenland Ice Sheet. <i>Science</i> , 2006, 313, 1958-1960.	6.0	348
53	Alaskan mountain glacial melting observed by satellite gravimetry. <i>Earth and Planetary Science Letters</i> , 2006, 248, 368-378.	1.8	78
54	Precise orbit determination for GRACE using accelerometer data. <i>Advances in Space Research</i> , 2006, 38, 2131-2136.	1.2	35

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55	Thermosteric Effects on Interannual and Long-term Global Mean Sea Level Changes. Journal of Geodesy, 2006, 80, 240-247.	1.6	5
56	Precise orbit determination for the GRACE mission using only GPS data. Journal of Geodesy, 2006, 80, 322-331.	1.6	141
57	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
58	Application of Eigenvalue Decomposition in the Parallel Computation of a CHAMP 100x100 Gravity Field. , 2005, , 115-120.		0
59	Seasonal global mean sea level change from satellite altimeter, GRACE, and geophysical models. Journal of Geodesy, 2005, 79, 532-539.	1.6	68
60	GGM02 " An improved Earth gravity field model from GRACE. Journal of Geodesy, 2005, 79, 467-478.	1.6	511
61	Optimal Frequency Configuration for Dual One-Way Ranging Systems. Journal of Spacecraft and Rockets, 2005, 42, 749-751.	1.3	9
62	Correction to "Variations in the Earth's oblateness during the past 28 years". Journal of Geophysical Research, 2005, 110, .	3.3	7
63	Fundamentals of Orbit Determination. , 2004, , 159-284.		128
64	The gravity recovery and climate experiment: Mission overview and early results. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	2,173
65	Jason-1 Precision Orbit Determination by Combining SLR and DORIS with GPS Tracking Data. Marine Geodesy, 2004, 27, 319-331.	0.9	33
66	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
67	Oceanic effects on polar motion determined from an ocean model and satellite altimetry: 1993-2001. Journal of Geophysical Research, 2004, 109, .	3.3	19
68	Low degree gravitational changes from GRACE: Validation and interpretation. Geophysical Research Letters, 2004, 31, .	1.5	75
69	Variations in the Earth's oblateness during the past 28 years. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	391
70	GRACE Measurements of Mass Variability in the Earth System. Science, 2004, 305, 503-505.	6.0	1,939
71	Non-Tidal Oceanic Contribution to the Variation of the Earth's Oblateness. Chinese Journal of Geophysics, 2004, 47, 484-489.	0.2	3
72	The new GRACE gravity mission and its value to exploration. , 2004, , .		2

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73	Large-scale mass redistribution in the oceans, 1993–2001. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	14
74	Large scale ocean circulation from the GRACE GGM01 Geoid. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	109
75	Simulation of Dual One-Way Ranging Measurements. <i>Journal of Spacecraft and Rockets</i> , 2003, 40, 419-425.	1.3	37
76	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
77	Chapter 10 Applications to Geodesy. <i>International Geophysics</i> , 2001, 69, 371-xxviii.	0.6	15
78	Hydrological and oceanic excitations to polar motion and length-of-day variation. <i>Geophysical Journal International</i> , 2000, 141, 149-156.	1.0	56
79	Seasonal sea level change from TOPEX/Poseidon observation and thermal contribution. <i>Journal of Geodesy</i> , 2000, 73, 638-647.	1.6	48
80	Formation of surface spherical harmonic normal matrices and application to high-degree geopotential modeling. <i>Journal of Geodesy</i> , 2000, 74, 359-375.	1.6	2
81	A new assessment of long-wavelength gravitational variations. <i>Journal of Geophysical Research</i> , 2000, 105, 16271-16277.	3.3	27
82	Interannual mean sea level change and the Earth's water mass budget. <i>Geophysical Research Letters</i> , 2000, 27, 3073-3076.	1.5	19
83	Robust estimation of systematic errors of satellite laser range. <i>Journal of Geodesy</i> , 1999, 73, 345-349.	1.6	77
84	Seasonal variations in low degree zonal harmonics of the Earth's gravity field from satellite laser ranging observations. <i>Journal of Geophysical Research</i> , 1999, 104, 2667-2681.	3.3	66
85	Anomalous warming in the Indian Ocean coincident with El Niño. <i>Journal of Geophysical Research</i> , 1999, 104, 3035-3047.	3.3	224
86	Geophysical contributions to satellite nodal residual variation. <i>Journal of Geophysical Research</i> , 1999, 104, 23237-23244.	3.3	9
87	Reduction of geoid gradient error in ocean variability from satellite altimetry. <i>Marine Geodesy</i> , 1998, 21, 25-39.	0.9	13
88	Seasonal global water mass budget and mean sea level variations. <i>Geophysical Research Letters</i> , 1998, 25, 3555-3558.	1.5	86
89	On the use of tide gauges to determine altimeter drift. <i>Journal of Geophysical Research</i> , 1998, 103, 12885-12890.	3.3	40
90	Measuring heat storage changes in the equatorial Pacific: A comparison between TOPEX altimetry and Tropical Atmosphere-Ocean buoys. <i>Journal of Geophysical Research</i> , 1998, 103, 18591-18597.	3.3	29

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91	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
92	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
93	Long-period ocean heat storage rates and basin-scale heat fluxes from TOPEX. <i>Journal of Geophysical Research</i> , 1997, 102, 10525-10533.	3.3	80
94	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
95	The Accuracy Assessment of Precise Orbits Computed from Doppler Tracking Data. <i>Journal of the Astronautical Sciences</i> , 1997, 45, 451-469.	0.8	1
96	Long-period variations in gravity field caused by mantle anelasticity. <i>Journal of Geophysical Research</i> , 1996, 101, 11243-11248.	3.3	12
97	The Joint Gravity Model 3. <i>Journal of Geophysical Research</i> , 1996, 101, 28029-28049.	3.3	262
98	Statistics of geostrophic turbulence in the southern ocean from satellite altimetry and numerical models. <i>Physica D: Nonlinear Phenomena</i> , 1996, 98, 599-613.	1.3	15
99	The Use of GPS Data for Global Gravity Field Determination. <i>International Association of Geodesy Symposia</i> , 1996, , 42-49.	0.2	2
100	Transformation between SLR/VLBI and WGS-84 reference frames. <i>Bulletin Geodesique</i> , 1995, 69, 61-72.	0.4	8
101	A new method for computing the spectrum of the gravitational perturbations on satellite orbits. <i>Celestial Mechanics and Dynamical Astronomy</i> , 1995, 62, 117-143.	0.5	3
102	The accuracy and applications of satellite altimetry. <i>Geophysical Journal International</i> , 1995, 121, 321-336.	1.0	54
103	A low cost Mercury orbiter mission. <i>Acta Astronautica</i> , 1995, 35, 445-454.	1.7	4
104	Dynamic orbit determination using GPS measurements from TOPEX/POSEIDON. <i>Geophysical Research Letters</i> , 1994, 21, 2179-2182.	1.5	57
105	The GPS flight experiment on TOPEX/POSEIDON. <i>Geophysical Research Letters</i> , 1994, 21, 2171-2174.	1.5	35
106	Gravity model development for TOPEX/POSEIDON: Joint Gravity Models 1 and 2. <i>Journal of Geophysical Research</i> , 1994, 99, 24421.	3.3	184
107	Precision orbit determination for TOPEX/POSEIDON. <i>Journal of Geophysical Research</i> , 1994, 99, 24383.	3.3	225
108	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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109	Determination of ocean tides from the first year of TOPEX/POSEIDON altimeter measurements. Journal of Geophysical Research, 1994, 99, 24809.	3.3	70
110	The determination of large-scale sea surface topography and its variations using geosat altimetry. Geophysical Monograph Series, 1994, , 21-32.	0.1	3
111	The consistency of the scale of the terrestrial reference frames estimated from SLR and VLBI data. Geodynamic Series, 1993, , 113-120.	0.1	8
112	Lageos laser ranging contributions to geodynamics, geodesy, and orbital dynamics. Geodynamic Series, 1993, , 147-173.	0.1	56
113	Geodynamic results from Starlette orbit analysis. Geodynamic Series, 1993, , 175-190.	0.1	12
114	Distribution of Reynolds stress carried by mesoscale variability in the Antarctic Circumpolar Current. Geophysical Research Letters, 1992, 19, 1201-1204.	1.5	15
115	Tidal deceleration of the Moon's mean motion. Geophysical Journal International, 1992, 108, 401-409.	1.0	25
116	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
117	Comparison of VLBI and SLR geocentric site coordinates. Geophysical Research Letters, 1991, 18, 231-234.	1.5	36
118	Multitarget classification and estimation using clustering techniques. Journal of Guidance, Control, and Dynamics, 1990, 13, 121-127.	1.6	4
119	CASA UNO GPS orbit and baseline experiments. Geophysical Research Letters, 1990, 17, 643-646.	1.5	19
120	Precision orbit determination for the Geosat Exact Repeat Mission. Journal of Geophysical Research, 1990, 95, 2887-2898.	3.3	25
121	Determination of the ocean circulation using Geosat altimetry. Journal of Geophysical Research, 1990, 95, 3163-3179.	3.3	71
122	Variations of global mesoscale eddy energy observed from Geosat. Journal of Geophysical Research, 1990, 95, 17865-17876.	3.3	58
123	Long-period perturbations in starlette orbit and tide solution. Journal of Geophysical Research, 1990, 95, 8723-8736.	3.3	37
124	Station Positions and Plate Motion from Lageos Long ARC LLA8903. International Association of Geodesy Symposia, 1990, , 1-10.	0.2	7
125	A General Ocean Circulation Model Determined in a Simultaneous Solution with the Earth's Gravity Field. International Association of Geodesy Symposia, 1990, , 158-166.	0.2	4
126	Contribution of SLR to Earth Rotation and Terrestrial Reference Frames. International Association of Geodesy Symposia, 1990, , 123-130.	0.2	0

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127	Enhancement of data separability in multisensor-multitarget tracking problems. Journal of Guidance, Control, and Dynamics, 1989, 12, 938-940.	1.6	0
128	Determination of the gravitational coefficient of the Earth from near-Earth satellites. Geophysical Research Letters, 1989, 16, 271-274.	1.5	34
129	Temporal variations in low degree zonal harmonics from Starlette orbit analysis. Geophysical Research Letters, 1989, 16, 393-396.	1.5	118
130	Rate of change of the Quincy Monument Peak baseline from a translocation analysis of LAGEOS Laser Range Data. Geophysical Research Letters, 1989, 16, 539-542.	1.5	5
131	Analysis of earth rotation solution from Starlette. Journal of Geophysical Research, 1989, 94, 10167-10174.	3.3	15
132	Optimal solutions of unobservable orbit determination problems. Celestial Mechanics, 1988, 44, 339-363.	0.1	16
133	Circulation from a joint gravity field solution determination of the general ocean. Geophysical Research Letters, 1988, 15, 1109-1112.	1.5	38
134	Digitized global land-sea map and access software. Bulletin Geodesique, 1987, 61, 311-317.	0.4	0
135	Radial, transverse and normal satellite position perturbations due to the geopotential. Celestial Mechanics, 1987, 40, 409-421.	0.1	59
136	Accurate measurement of mean sea level changes by altimetric satellites. Journal of Geophysical Research, 1986, 91, 11775-11782.	3.3	29
137	Satellite Laser Ranging and its Applications. , 1986, , 247-261.		0
138	Vegetation health: Nature's climate monitor. Advances in Space Research, 1985, 5, 371-377.	1.2	18
139	Satellite laser ranging and its applications. Celestial Mechanics and Dynamical Astronomy, 1985, 37, 247-261.	0.5	12
140	Polar Motion Measurements: Subdecimeter Accuracy Verified by Intercomparison. Science, 1985, 229, 1259-1261.	6.0	31
141	Station coordinates, baselines, and Earth rotation from LAGEOS laser ranging: 1976-1984. Journal of Geophysical Research, 1985, 90, 9235-9248.	3.3	104
142	Geographically correlated orbit error and its effect on satellite altimetry missions. Journal of Geophysical Research, 1985, 90, 11817-11831.	3.3	77
143	Variations in the Rotation of the Earth. Science, 1984, 224, 957-961.	6.0	63
144	Equivalence of the generalized Lie-Hori method and the method of averaging. Celestial Mechanics, 1984, 33, 1-20.	0.1	9

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145	The SEASAT altimeter wet tropospheric range correction revisited. <i>Marine Geodesy</i> , 1984, 8, 221-248.	0.9	12
146	Comparison of Earth rotation as inferred from radio interferometric, laser ranging and astrometric observations. <i>Nature</i> , 1983, 302, 509-511.	13.7	17
147	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
148	Polar motion and Earth rotation. <i>Reviews of Geophysics</i> , 1983, 21, 569-573.	9.0	6
149	IAU Colloquium 63 "High-Precision Earth Rotation and Earth-Moon Dynamics, Lunar Distances, and Related Observations. <i>Eos</i> , 1982, 63, 132.	0.1	0
150	The SEASAT altimeter data and its accuracy assessment. <i>Journal of Geophysical Research</i> , 1982, 87, 3179-3188.	3.3	148
151	The SEASAT altimeter wet tropospheric range correction. <i>Journal of Geophysical Research</i> , 1982, 87, 3213-3220.	3.3	61
152	Evaluation of the SEASAT altimeter time tag bias. <i>Journal of Geophysical Research</i> , 1982, 87, 3239-3245.	3.3	27
153	Polar Motion from Laser Range Measurements of GEOS-3. <i>Symposium - International Astronomical Union</i> , 1979, 82, 239-244.	0.1	2
154	Mixed Observable Estimation of Random Thrust Errors for Solar Electric Propulsion Spacecraft. <i>Journal of Guidance and Control</i> , 1979, 2, 49-56.	0.7	0
155	Seasat Altimeter Calibration: Initial Results. <i>Science</i> , 1979, 204, 1410-1412.	6.0	32
156	Density models for the upper atmosphere. <i>Celestial Mechanics</i> , 1979, 20, 271-295.	0.1	11
157	Polar motion results from Geos 3 laser ranging. <i>Journal of Geophysical Research</i> , 1979, 84, 3951-3958.	3.3	3
158	A sequential method for filtering satellite altimeter measurements. <i>Journal of Geophysical Research</i> , 1979, 84, 4061-4070.	3.3	5
159	Square-root variable-metric methods for minimization. <i>Journal of Optimization Theory and Applications</i> , 1977, 21, 251-259.	0.8	8
160	Adaptive sequential estimation with unknown noise statistics. <i>IEEE Transactions on Automatic Control</i> , 1976, 21, 520-523.	3.6	436
161	Estimation of unmodeled forces on a lunar satellite. <i>Celestial Mechanics</i> , 1975, 12, 409-424.	0.1	4
162	New Method for Propagating the Square Root Covariance Matrix in Triangular Form. <i>AIAA Journal</i> , 1975, 13, 681-683.	1.5	4

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163	Dynamical Model Compensation for Near-Earth Satellite Orbit Determination. AIAA Journal, 1975, 13, 343-349.	1.5	16
164	Estimation of unmodeled forces on a low-thrust space vehicle. Journal of Spacecraft and Rockets, 1975, 12, 592-598.	1.3	2
165	Generalized Random Processes: A Theory and the White Gaussian Process. SIAM Journal on Control and Optimization, 1975, 13, 719-735.	1.6	5
166	Sequential filtering applied to the determination of tracking station locations. Journal of Geophysical Research, 1975, 80, 823-831.	3.3	1
167	Comparison of Statistical Orbit Determination Methods. AIAA Journal, 1974, 12, 1465-1466.	1.5	5
168	Lunar orbit determination in the presence of unmodeled accelerations. Celestial Mechanics, 1974, 9, 191-211.	0.1	8
169	An extended canonical perturbation method. Celestial Mechanics, 1973, 7, 77-90.	0.1	26
170	Orbit determination in the presence of unmodeled accelerations. IEEE Transactions on Automatic Control, 1973, 18, 369-373.	3.6	31
171	Statistical Orbit Determination Theory. Astrophysics and Space Science Library, 1973, , 396-425.	1.0	50
172	The computation of optimal control programmes using a modified successive sweep method. International Journal of Control, 1972, 15, 465-479.	1.2	1
173	Comparison of Linear and Riccati Equations Used to Solve Optimal Control Problems. AIAA Journal, 1972, 10, 1154-1159.	1.5	12
174	Estimation of Random Changes in the Earth's Rotation. Symposium - International Astronomical Union, 1972, 48, 172-178.	0.1	1
175	Sequential estimation of the state and the observation-error covariance matrix. AIAA Journal, 1971, 9, 212-217.	1.5	11
176	A modified perturbation method for solving optimal control problems with state variable inequality constraints. AIAA Journal, 1971, 9, 2222-2228.	1.5	2
177	Coordinate system influence on the regularized trajectory optimization problem. Journal of Spacecraft and Rockets, 1971, 8, 15-20.	1.3	5
178	Regularization and the computation of optimal trajectories. Celestial Mechanics, 1970, 2, 319-333.	0.1	8
179	Optimization of non-linear systems with inequality constraints explicitly containing the control. International Journal of Control, 1970, 12, 497-510.	1.2	5
180	Riccati transformations for control optimization using the second variation. , 1970, , .		1

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181	Numerical Studies of Solar Influenced Particle Motion Near the Triangular Earth-Moon Libration Points. , 1970, , 128-142.		6
182	Trajectory optimization using regularized variables.. AIAA Journal, 1969, 7, 1010-1017.	1.5	19
183	Canonical transformation applications to optimal trajectory analysis.. AIAA Journal, 1969, 7, 394-399.	1.5	28
184	Iteration procedures for indirect trajectory optimization methods.. Journal of Spacecraft and Rockets, 1968, 5, 321-327.	1.3	15
185	Reply by Authors to W.E. Schmitendorf. AIAA Journal, 1968, 6, 1630-1631.	1.5	0
186	Persistent solar influenced libration point motion.. AIAA Journal, 1968, 6, 1405-1406.	1.5	3
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