Byron D Tapley

List of Publications by Year in Descending Order

193 papers	12,170 citations	52 h-index	108 g-index
196 ext. papers	13,619 ext. citations	5.5 avg, IF	6.26 L-index

#	Paper	IF	Citations
193	Assessment of degree-2 order-1 gravitational changes from GRACE and GRACE Follow-on, Earth rotation, satellite laser ranging, and models. *Journal of Geodesy*, **2021**, 95, 1	4.5	2
192	Error Assessment of GRACE and GRACE Follow-On Mass Change. *Journal of Geophysical Research: Solid Earth*, **2021**, 126, e2021JB022124	3.6	0
191	Accelerometer Parameterization and the Quality of Gravity Recovery and Climate Experiment Solutions. *Journal of Spacecraft and Rockets*, **2020**, 57, 740-752	1.5	2
190	Global Ocean Mass Change From GRACE and GRACE Follow-On and Altimeter and Argo Measurements. *Geophysical Research Letters*, **2020**, 47, e2020GL090656	4.9	17
189	Basin-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	5.4	13
188	Contributions of GRACE to understanding climate change. *Nature Climate Change*, **2019**, 5, 358-369	21.4	260
187	Earth's Energy Imbalance Measured From Space. *IEEE Transactions on Geoscience and Remote Sensing*, **2019**, 57, 32-45	8.1	6
186	Geocenter motion time series derived from GRACE GPS and LAGEOS observations. *Journal of Geodesy*, **2019**, 93, 1931-1942	4.5	3
185	Improved Quantification of Global Mean Ocean Mass Change Using GRACE Satellite Gravimetry Measurements. *Geophysical Research Letters*, **2019**, 46, 13984-13991	4.9	12
184	Designing the Climate Observing System of the Future. *Earth's Future*, **2018**, 6, 80-102	7.9	13
183	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, 10,212-10,225	3.6	26
182	Long-term and seasonal Caspian Sea level change from satellite gravity and altimeter measurements. *Journal of Geophysical Research: Solid Earth*, **2017**, 122, 2274	3.6	40
181	Long-term Caspian Sea level change. *Geophysical Research Letters*, **2017**, 44, 6993-7001	4.9	63
180	Long-term groundwater storage change in Victoria, Australia from satellite gravity and in situ observations. *Global and Planetary Change*, **2016**, 139, 56-65	4.2	66
179	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	5.3	9
178	High-resolution CSR GRACE RL05 mascons. *Journal of Geophysical Research: Solid Earth*, **2016**, 121, 7547-7569	3.6	429
177	Estimation of non-gravitational acceleration difference between two co-orbiting satellites using single accelerometer data. *Journal of Geodesy*, **2015**, 89, 537-550	4.5	3

176	Improved constraints on seismic source parameters of the 2011 Tohoku earthquake from GRACE gravity and gravity gradient changes. *Geophysical Research Letters*, **2014**, 41, 1929-1936	4.9	21
175	Monitoring of Changes in Global Mean Sea Level Using Geosat Altimeter. *Geophysical Monograph Series*, **2013**, 167-180	1.1	10
174	Surface Force Modeling for Precision Orbit Determination. *Geophysical Monograph Series*, **2013**, 111-124	1.1	9
173	Rapid ice melting drives Earth's pole to the east. *Geophysical Research Letters*, **2013**, 40, 2625-2630	4.9	57
172	Contribution of ice sheet and mountain glacier melt to recent sea level rise. *Nature Geoscience*, **2013**, 6, 549-552	18.3	134
171	Deceleration in the Earth's oblateness. *Journal of Geophysical Research: Solid Earth*, **2013**, 118, 740-747	3.6	285
170	Geocenter Variations from Analysis of SLR Data. *International Association of Geodesy Symposia*, **2013**, 19-25	0.8	37
169	Reducing errors in the GRACE gravity solutions using regularization. *Journal of Geodesy*, **2012**, 86, 695-71	4.5	68
168	High-frequency signal and noise estimates of CSR GRACE RL04. *Journal of Geodesy*, **2012**, 86, 1165-1177	4.5	7
167	Coseismic and postseismic deformation of the 2011 Tohoku-Oki earthquake constrained by GRACE gravimetry. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	37
166	High-Frequency Noise in the Gravity Recovery and Climate Experiment Intersatellite Ranging System. *Journal of Spacecraft and Rockets*, **2012**, 49, 1163-1173	1.5	5
165	Interannual variability of Greenland ice losses from satellite gravimetry. *Journal of Geophysical Research*, **2011**, 116,		63
164	Variations of the Earth's figure axis from satellite laser ranging and GRACE. *Journal of Geophysical Research*, **2011**, 116,		159
163	First results from the GPS atmosphere sounding experiment TOR aboard the TerraSAR-X satellite. *Atmospheric Chemistry and Physics*, **2011**, 11, 6687-6699	6.8	14
162	The understanding of length-of-day variations from satellite gravity and laser ranging measurements. *Geophysical Journal International*, **2011**, 184, 651-660	2.6	40
161	Hydrological and oceanic effects on polar motion from GRACE and models. *Journal of Geophysical Research*, **2010**, 115,		47
160	Recent La Plata basin drought conditions observed by satellite gravimetry. *Journal of Geophysical Research*, **2010**, 115,		76
159	The 2009 exceptional Amazon flood and interannual terrestrial water storage change observed by GRACE. *Water Resources Research*, **2010**, 46,	5.4	167

158	Computing the USO frequency instability of GRACE satellites **2010**,		2
157	GPS Radio Occultation: Results from CHAMP, GRACE and FORMOSAT-3/COSMIC. *Terrestrial, Atmospheric and Oceanic Sciences*, **2009**, 20, 35	1.8	81
156	Geocenter variations derived from GPS tracking of the GRACE satellites. *Journal of Geodesy*, **2009**, 83, 895-901	4.5	22
155	A comparison of coincident GRACE and ICESat data over Antarctica. *Journal of Geodesy*, **2009**, 83, 1051-1060	4.5	58
154	Accelerated Antarctic ice loss from satellite gravity measurements. *Nature Geoscience*, **2009**, 2, 859-862	18.3	225
153	2005 drought event in the Amazon River basin as measured by GRACE and estimated by climate models. *Journal of Geophysical Research*, **2009**, 114,		165
152	Thermospheric Densities from Analysis of 6-Year GRACE Accelerometer Data **2008**,		1
151	Antarctic regional ice loss rates from GRACE. *Earth and Planetary Science Letters*, **2008**, 266, 140-148	5.3	65
150	Gravity model determination from the GRACE mission. *Journal of the Astronautical Sciences*, **2008**, 56, 273-285	1.1	4
149	Precise accelerometry onboard the GRACE gravity field satellite mission. *Advances in Space Research*, **2008**, 42, 1414-1423	2.4	70
148	GRACE detects coseismic and postseismic deformation from the Sumatra-Andaman earthquake. *Geophysical Research Letters*, **2007**, 34, n/a-n/a	4.9	129
147	Patagonia Icefield melting observed by Gravity Recovery and Climate Experiment (GRACE). *Geophysical Research Letters*, **2007**, 34,	4.9	110
146	Neutral Density Measurements from the Gravity Recovery and Climate Experiment Accelerometers. *Journal of Spacecraft and Rockets*, **2007**, 44, 1220-1225	1.5	27
145	The Tracking, Occultation and Ranging (TOR) instrument onboard TerraSAR-X and on TanDEM-X **2007**,		10
144	Neutral Density Measurements from the GRACE Accelerometers **2006**,		1
143	Antarctic mass rates from GRACE. *Geophysical Research Letters*, **2006**, 33,	4.9	100
142	Satellite gravity measurements confirm accelerated melting of Greenland ice sheet. *Science*, **2006**, 313, 1958-60	33.3	294
141	Alaskan mountain glacial melting observed by satellite gravimetry. *Earth and Planetary Science Letters*, **2006**, 248, 368-378	5.3	66

140	Precise orbit determination for GRACE using accelerometer data. *Advances in Space Research*, **2006**, 38, 2131-2136	2.4	27
139	Thermosteric Effects on Interannual and Long-term Global Mean Sea Level Changes. *Journal of Geodesy*, **2006**, 80, 240-247	4.5	3
138	Precise orbit determination for the GRACE mission using only GPS data. *Journal of Geodesy*, **2006**, 80, 322-331	4.5	113
137	A simulation study of the errors of omission and commission for GRACE RL01 gravity fields. *Journal of Geodesy*, **2006**, 80, 341-351	4.5	10
136	Correction to "Variations in the Earth's oblateness during the past 28 years" *Journal of Geophysical Research*, **2005**, 110,		6
135	Application of Eigenvalue Decomposition in the Parallel Computation of a CHAMP 100x100 Gravity Field **2005**, 115-120		
134	Seasonal global mean sea level change from satellite altimeter, GRACE, and geophysical models. *Journal of Geodesy*, **2005**, 79, 532-539	4.5	55
133	GGM02 – An improved Earth gravity field model from GRACE. *Journal of Geodesy*, **2005**, 79, 467-478	4.5	443
132	Optimal Frequency Configuration for Dual One-Way Ranging Systems. *Journal of Spacecraft and Rockets*, **2005**, 42, 749-751	1.5	5
131	Fundamentals of Orbit Determination **2004**, 159-284		90
130	The gravity recovery and climate experiment: Mission overview and early results. *Geophysical Research Letters*, **2004**, 31, n/a-n/a	4.9	1725
129	Jason-1 Precision Orbit Determination by Combining SLR and DORIS with GPS Tracking Data. *Marine Geodesy*, **2004**, 27, 319-331	1.2	27
128	Impact of short period, non-tidal, temporal mass variability on GRACE gravity estimates. *Geophysical Research Letters*, **2004**, 31, n/a-n/a	4.9	52
127	Oceanic effects on polar motion determined from an ocean model and satellite altimetry: 1993–2001. *Journal of Geophysical Research*, **2004**, 109,		16
126	Low degree gravitational changes from GRACE: Validation and interpretation. *Geophysical Research Letters*, **2004**, 31,	4.9	70
125	Variations in the Earth's oblateness during the past 28 years. *Journal of Geophysical Research*, **2004**, 109, n/a-n/a		349
124	GRACE measurements of mass variability in the Earth system. *Science*, **2004**, 305, 503-5	33.3	1606
123	Non-Tidal Oceanic Contribution to the Variation of the Earth's Oblateness. *Chinese Journal of Geophysics*, **2004**, 47, 484-489		3

122	The new GRACE gravity mission and its value to exploration **2004**,		2
121	Large-scale mass redistribution in the oceans, 1993-2001. *Geophysical Research Letters*, **2003**, 30,	4.9	13
120	Large scale ocean circulation from the GRACE GGM01 Geoid. *Geophysical Research Letters*, **2003**, 30,	4.9	96
119	Simulation of Dual One-Way Ranging Measurements. *Journal of Spacecraft and Rockets*, **2003**, 40, 419-425	1.5	19
118	Error Analysis of a Low-Low Satellite-to-Satellite Tracking Mission. *Journal of Guidance, Control, and Dynamics*, **2002**, 25, 1100-1106	2.1	43
117	Chapter 10 Applications to Geodesy. *International Geophysics*, **2001**, 69, 371-xxviii		12
116	Hydrological and oceanic excitations to polar motion andlength-of-day variation. *Geophysical Journal International*, **2000**, 141, 149-156	2.6	49
115	Seasonal sea level change from TOPEX/Poseidon observation and thermal contribution. *Journal of Geodesy*, **2000**, 73, 638-647	4.5	44
114	Formation of surface spherical harmonic normal matrices and application to high-degree geopotential modeling. *Journal of Geodesy*, **2000**, 74, 359-375	4.5	2
113	A new assessment of long-wavelength gravitational variations. *Journal of Geophysical Research*, **2000**, 105, 16271-16277		23
112	Interannual mean sea level change and the Earth's water mass budget. *Geophysical Research Letters* , **2000**, 27, 3073-3076	4.9	17
111	Robust estimation of systematic errors of satellite laser range. *Journal of Geodesy*, **1999**, 73, 345-349	4.5	62
110	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		58
109	Anomalous warming in the Indian Ocean coincident with El Niño. *Journal of Geophysical Research*, **1999**, 104, 3035-3047		182
108	Geophysical contributions to satellite nodal residual variation. *Journal of Geophysical Research*, **1999**, 104, 23237-23244		6
107	Reduction of geoid gradient error in ocean variability from satellite altimetry. *Marine Geodesy*, **1998** , 21, 25-39	1.2	12
106	Seasonal global water mass budget and mean sea level variations. *Geophysical Research Letters*, **1998**, 25, 3555-3558	4.9	79
105	On the use of tide gauges to determine altimeter drift. *Journal of Geophysical Research*, **1998**, 103, 12885-12895		96

104	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		25
103	Autonomous Navigation of Global Positioning System Satellites Using Cross-Link Measurements. *Journal of Guidance, Control, and Dynamics*, **1998**, 21, 321-327	2.1	28
102	Determination of long-term changes in the Earth's gravity field from satellite laser ranging observations. *Journal of Geophysical Research*, **1997**, 102, 22377-22390		76
101	Long-period ocean heat storage rates and basin-scale heat fluxes from TOPEX. *Journal of Geophysical Research*, **1997**, 102, 10525-10533		72
100	Combination of TOPEX/POSEIDON data with a hydrographic inversion for determination of the oceanic general circulation and its relation to geoid accuracy. *Geophysical Journal International*, **1997**, 128, 708-722	2.6	39
99	The Accuracy Assessment of Precise Orbits Computed from Doppler Tracking Data. *Journal of the Astronautical Sciences*, **1997**, 45, 451-469	1.1	1
98	Long-period variations in gravity field caused by mantle anelasticity. *Journal of Geophysical Research*, **1996**, 101, 11243-11248		8
97	The Joint Gravity Model 3. *Journal of Geophysical Research*, **1996**, 101, 28029-28049		204
96	Statistics of geostrophic turbulence in the southern ocean from satellite altimetry and numerical models. *Physica D: Nonlinear Phenomena*, **1996**, 98, 599-613	3.3	13
95	The Use of GPS Data for Global Gravity Field Determination. *International Association of Geodesy Symposia*, **1996**, 42-49	0.8	2
94	Transformation between SLR/VLBI and WGS-84 reference frames. *Bulletin Geodesique*, **1995**, 69, 61-72		8
93	A new method for computing the spectrum of the gravitational perturbations on satellite orbits. *Celestial Mechanics and Dynamical Astronomy*, **1995**, 62, 117-143	1.4	2
92	The accuracy and applications of satellite altimetry. *Geophysical Journal International*, **1995**, 121, 321-336	2.6	45
91	A low cost Mercury orbiter mission. *Acta Astronautica*, **1995**, 35, 445-454	2.9	4
90	Dynamic orbit determination using GPS measurements from TOPEX/POSEIDON. *Geophysical Research Letters*, **1994**, 21, 2179-2182	4.9	48
89	The GPS flight experiment on TOPEX/POSEIDON. *Geophysical Research Letters*, **1994**, 21, 2171-2174	4.9	28
88	Gravity model development for TOPEX/POSEIDON: Joint Gravity Models 1 and 2. *Journal of Geophysical Research*, **1994**, 99, 24421		154
87	Precision orbit determination for TOPEX/POSEIDON. *Journal of Geophysical Research*, **1994**, 99, 24383		183

86	Accuracy assessment of the large-scale dynamic ocean topography from TOPEX/POSEIDON altimetry. *Journal of Geophysical Research*, **1994**, 99, 24605		72
85	Determination of ocean tides from the first year of TOPEX/POSEIDON altimeter measurements. *Journal of Geophysical Research*, **1994**, 99, 24809		64
84	The determination of large-scale sea surface topography and its variations using geosat altimetry. *Geophysical Monograph Series*, **1994**, 21-32	1.1	3
83	The consistency of the scale of the terrestrial reference frames estimated from SLR and VLBI data. *Geodynamic Series*, **1993**, 113-120		6
82	Lageos laser ranging contributions to geodynamics, geodesy, and orbital dynamics. *Geodynamic Series*, **1993**, 147-173		39
81	Geodynamic results from Starlette orbit analysis. *Geodynamic Series*, **1993**, 175-190		9
80	Distribution of Reynolds stress carried by mesoscale variability in the Antarctic Circumpolar Current. *Geophysical Research Letters*, **1992**, 19, 1201-1204	4.9	14
79	Tidal deceleration of the Moon's mean motion. *Geophysical Journal International*, **1992**, 108, 401-409	2.6	24
78	Observed Temporal Variations in the Earth Gravity Field from 16-year Starlette Orbit Analysis. *International Association of Geodesy Symposia*, **1992**, 83-91	0.8	3
77	Comparison of VLBI and SLR geocentric site coordinates. *Geophysical Research Letters*, **1991**, 18, 231-234	4.9	33
76	Multitarget classification and estimation using clustering techniques. *Journal of Guidance, Control, and Dynamics*, **1990**, 13, 121-127	2.1	2
75	CASA UNO GPS orbit and baseline experiments. *Geophysical Research Letters*, **1990**, 17, 643-646	4.9	19
74	Precision orbit determination for the Geosat Exact Repeat Mission. *Journal of Geophysical Research*, **1990**, 95, 2887		23
73	Determination of the ocean circulation using Geosat altimetry. *Journal of Geophysical Research*, **1990**, 95, 3163		68
72	Variations of global mesoscale eddy energy observed from Geosat. *Journal of Geophysical Research*, **1990**, 95, 17865		50
71	Long-period perturbations in starlette orbit and tide solution. *Journal of Geophysical Research*, **1990**, 95, 8723		34
70	Contribution of SLR to Earth Rotation and Terrestrial Reference Frames. *International Association of Geodesy Symposia*, **1990**, 123-130	0.8	
69	Station Positions and Plate Motion from Lageos Long ARC LLA8903. *International Association of Geodesy Symposia*, **1990**, 1-10	0.8	6

68	A General Ocean Circulation Model Determined in a Simultaneous Solution with the Earth's Gravity Field. *International Association of Geodesy Symposia*, **1990**, 158-166	0.8	3
67	Enhancement of data separability in multisensor-multitarget tracking problems. *Journal of Guidance, Control, and Dynamics*, **1989**, 12, 938-940	2.1	
66	Determination of the gravitational coefficient of the Earth from near-Earth satellites. *Geophysical Research Letters*, **1989**, 16, 271-274	4.9	33
65	Temporal variations in low degree zonal harmonics from Starlette orbit analysis. *Geophysical Research Letters*, **1989**, 16, 393-396	4.9	108
64	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	4.9	5
63	Analysis of earth rotation solution from Starlette. *Journal of Geophysical Research*, **1989**, 94, 10167-10174		14
62	Optimal solutions of unobservable orbit determination problems. *Celestial Mechanics*, **1988**, 44, 339-363		15
61	Circulation from a joint gravity field solution determination of the general ocean. *Geophysical Research Letters*, **1988**, 15, 1109-1112	4.9	36
60	Digitized global land-sea map and access software. *Bulletin Geodesique*, **1987**, 61, 311-317		
59	Radial, transverse and normal satellite position perturbations due to the geopotential. *Celestial Mechanics*, **1987**, 40, 409-421		49
58	Accurate measurement of mean sea level changes by altimetric satellites. *Journal of Geophysical Research*, **1986**, 91, 11775		27
57	Satellite Laser Ranging and its Applications **1986**, 247-261		
56	Vegetation health: Nature's climate monitor. *Advances in Space Research*, **1985**, 5, 371-377	2.4	18
55	Satellite laser ranging and its applications. *Celestial Mechanics and Dynamical Astronomy*, **1985**, 37, 247-261	2.4	10
54	Polar motion measurements: subdecimeter accuracy verified by intercomparison. *Science*, **1985**, 229, 1259-61	33.3	30
53	Station coordinates, baselines, and Earth rotation from LAGEOS laser ranging: 1976–1984. *Journal of Geophysical Research*, **1985**, 90, 9235		77
52	Geographically correlated orbit error and its effect on satellite altimetry missions. *Journal of Geophysical Research*, **1985**, 90, 11817		72
51	Variations in the rotation of the Earth. *Science*, **1984**, 224, 957-61	33.3	58

50	Equivalence of the generalized Lie-Hori method and the method of averaging. *Celestial Mechanics*, **1984**, 33, 1-20		9
49	The SEASAT altimeter wet tropospheric range correction revisited. *Marine Geodesy*, **1984**, 8, 221-248	1.2	12
48	Polar motion and Earth rotation. *Reviews of Geophysics*, **1983**, 21, 569	23.1	6
47	Comparison of Earth rotation as inferred from radio interferometric, laser ranging and astrometric observations. *Nature*, **1983**, 302, 509-511	50.4	16
46	Secular variation of Earth's gravitational harmonic J2 coefficient from Lageos and nontidal acceleration of Earth rotation. *Nature*, **1983**, 303, 757-762	50.4	314
45	IAU Colloquium 63High-Precision Earth Rotation and Earth-Moon Dynamics, Lunar Distances, and Related Observations. *Eos*, **1982**, 63, 132	1.5	
44	The SEASAT altimeter data and its accuracy assessment. *Journal of Geophysical Research*, **1982**, 87, 3179		126
43	The SEASAT altimeter wet tropospheric range correction. *Journal of Geophysical Research*, **1982**, 87, 3213		56
42	Evaluation of the SEASAT altimeter time tag bias. *Journal of Geophysical Research*, **1982**, 87, 3239		25
41	Density models for the upper atmosphere. *Celestial Mechanics*, **1979**, 20, 271-295		8
40	Polar motion results from Geos 3 laser ranging. *Journal of Geophysical Research*, **1979**, 84, 3951		3
39	A sequential method for filtering satellite altimeter measurements. *Journal of Geophysical Research* , **1979**, 84, 4061		5
38	Polar Motion from Laser Range Measurements of GEOS-3. *Symposium - International Astronomical Union*, **1979**, 82, 239-244		1
37	Mixed Observable Estimation of Random Thrust Errors for Solar Electric Propulsion Spacecraft. *Journal of Guidance and Control*, **1979**, 2, 49-56		
36	Seasat altimeter calibration: initial results. *Science*, **1979**, 204, 1410-2	33.3	29
35	Square-root variable-metric methods for minimization. *Journal of Optimization Theory and Applications*, **1977**, 21, 251-259	1.6	6
34	Adaptive sequential estimation with unknown noise statistics. *IEEE Transactions on Automatic Control*, **1976**, 21, 520-523	5.9	304
33	Estimation of unmodeled forces on a lunar satellite. *Celestial Mechanics*, **1975**, 12, 409-424		4

32	New Method for Propagating the Square Root Covariance Matrix in Triangular Form. *AIAA Journal*, **1975**, 13, 681-683	2.1	2
31	Dynamical Model Compensation for Near-Earth Satellite Orbit Determination. *AIAA Journal*, **1975**, 13, 343-349	2.1	11
30	Estimation of unmodeled forces on a low-thrust space vehicle. *Journal of Spacecraft and Rockets*, **1975**, 12, 592-598	1.5	2
29	Generalized Random Processes: A Theory and the White Gaussian Process. *SIAM Journal on Control and Optimization*, **1975**, 13, 719-735		5
28	Sequential filtering applied to the determination of tracking station locations. *Journal of Geophysical Research*, **1975**, 80, 823-831		1
27	Comparison of Statistical Orbit Determination Methods. *AIAA Journal*, **1974**, 12, 1465-1466	2.1	4
26	Lunar orbit determination in the presence of unmodeled accelerations. *Celestial Mechanics*, **1974**, 9, 191-211		6
25	An extended canonical perturbation method. *Celestial Mechanics*, **1973**, 7, 77-90		19
24	Orbit determination in the presence of unmodeled accelerations. *IEEE Transactions on Automatic Control*, **1973**, 18, 369-373	5.9	22
23	Statistical Orbit Determination Theory. *Astrophysics and Space Science Library*, **1973**, 396-425	0.3	34
22	The computation of optimal control programmes using a modified successive sweep method *International Journal of Control*, **1972**, 15, 465-479	1.5	1
21	Comparison of Linear and Riccati Equations Used to Solve Optimal Control Problems. *AIAA Journal*, **1972**, 10, 1154-1159	2.1	10
20	Estimation of Random Changes in the Earth's Rotation. *Symposium - International Astronomical Union*, **1972**, 48, 172-178		
19	Sequential estimation of the state and the observation-error convariance matrix. *AIAA Journal*, **1971**, 9, 212-217	2.1	10
18	A modified perturbation method for solving optimal control problems with state variable inequality constraints. *AIAA Journal*, **1971**, 9, 2222-2228	2.1	2
17	Coordinate system influence on the regularized trajectory optimization problem. *Journal of Spacecraft and Rockets*, **1971**, 8, 15-20	1.5	4
16	Regularization and the computation of optimal trajectories. *Celestial Mechanics*, **1970**, 2, 319-333		7
15	Optimization of non-linear systems with inequality constraints explicitly containing the control *International Journal of Control*, **1970**, 12, 497-510	1.5	5

14	Riccati transformations for control optimization using the second variation **1970**,		1
13	Numerical Studies of Solar Influenced Particle Motion Near the Triangular Earth-Moon Libration Points **1970**, 128-142		4
12	Trajectory optimization using regularized variables.. *AIAA Journal*, **1969**, 7, 1010-1017	2.1	17
11	Canonical transformation applications to optimal trajectory analysis.. *AIAA Journal*, **1969**, 7, 394-399	2.1	23
10	Iteration procedures for indirect trajectory optimization methods.. *Journal of Spacecraft and Rockets*, **1968**, 5, 321-327	1.5	12
9	Reply by Authors to W.E. Schmitendorf. *AIAA Journal*, **1968**, 6, 1630-1631	2.1	
8	Persistent solar influenced libration point motion.. *AIAA Journal*, **1968**, 6, 1405-1406	2.1	3
7	A test for the sign of the second variation.. *AIAA Journal*, **1967**, 5, 1682-1683	2.1	2
6	Comparison of several numerical optimization methods. *Journal of Optimization Theory and Applications*, **1967**, 1, 1-32	1.6	50
5	Terminal Guidance for Continuous Powered Space Vehicles. *AIAA Journal*, **1966**, 4, 1683-1684	2.1	2
4	Further results on solar influenced libration point motion.. *AIAA Journal*, **1965**, 3, 1954-1956	2.1	6
3	Solar influence on satellite motion near the stable earth-moon libration points. *AIAA Journal*, **1964**, 2, 728-732	2.1	23
2	Rapid Mass Loss in West Antarctica Revealed by Swarm Gravimetry in the Absence of GRACE. *Geophysical Research Letters*,	4.9	3
1	First results from the GPS atmosphere sounding experiment TOR aboard the TerraSAR-X satellite		5