

Donald B Melrose

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

364
papers

8,014
citations

46
h-index

73
g-index

378
ext. papers

8,456
ext. citations

3.6
avg, IF

6.3
L-index

#	Paper	IF	Citations
364	Response tensor for a spin-dependent electron gas: Dependence on the choice of spin operator. <i>Physical Review E</i> , 2021 , 103, L061201	2.4	
363	Type-III Electron Beams: 3D Quasilinear Effects. <i>Solar Physics</i> , 2021 , 296, 1	2.6	4
362	Quantum kinetic theory for unmagnetized and magnetized plasmas. <i>Reviews of Modern Plasma Physics</i> , 2020 , 4, 1	5.6	4
361	Electron Langmuir wave resonance in three dimensions. <i>Physics of Plasmas</i> , 2020 , 27, 020702	2.1	6
360	Pulsar radio emission mechanisms: a critique. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 500, 4530-4548	4.3	10
359	A rotation-driven pulsar radio emission mechanism. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 500, 4549-4559	4.3	8
358	Wave dispersion in pulsar plasma. Part 1. Plasma rest frame. <i>Journal of Plasma Physics</i> , 2019 , 85,	2.7	9
357	Wave dispersion in pulsar plasma. Part 2. Pulsar frame. <i>Journal of Plasma Physics</i> , 2019 , 85,	2.7	5
356	Wave dispersion in pulsar plasma. Part 3. Beam-driven instabilities. <i>Journal of Plasma Physics</i> , 2019 , 85,	2.7	7
355	Low Altitude Solar Magnetic Reconnection, Type III Solar Radio Bursts, and X-ray Emissions. <i>Scientific Reports</i> , 2018 , 8, 1676	4.9	30
354	Radiation Belt Dropouts and Drift-Bounce Resonances in Broadband Electromagnetic Waves. <i>Geophysical Research Letters</i> , 2018 , 45, 2128-2137	4.9	10
353	Rethinking the solar flare paradigm. <i>Plasma Science and Technology</i> , 2018 , 20, 074003	1.5	2
352	Photospheric Response to a Flare. <i>Astrophysical Journal</i> , 2018 , 864, 159	4.7	4
351	A model for abrupt changes in pulsar pulse profile. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 469, 2049-2058	4.3	9
350	Abrupt changes in pulsar pulse profile through multiple magnetospheric state switching. <i>Journal of Physics: Conference Series</i> , 2017 , 932, 012014	0.3	
349	Pulsar radio emission mechanism: Why no consensus?. <i>Journal of Physics: Conference Series</i> , 2017 , 932, 012011	0.3	5
348	Current-driven flare and CME models. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 7963-7978	2.8	9

347	Radial transport of radiation belt electrons in kinetic field-line resonances. <i>Geophysical Research Letters</i> , 2017 , 44, 8140-8148	4.9	13
346	Coherent emission mechanisms in astrophysical plasmas. <i>Reviews of Modern Plasma Physics</i> , 2017 , 1, 1	5.6	107
345	Solar Plasma Radio Emission in the Presence of Imbalanced Turbulence of Kinetic-Scale Alfvén Waves. <i>Solar Physics</i> , 2017 , 292, 1	2.6	6
344	Is Cyclotron Maser Emission in Solar Flares Driven by a Horseshoe Distribution?. <i>Solar Physics</i> , 2016 , 291, 3637-3658	2.6	10
343	Variations of P2 in subpulse drifting pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 459, 603-609	4.3	10
342	Pulsar electrodynamics: an unsolved problem. <i>Journal of Plasma Physics</i> , 2016 , 82,	2.7	29
341	Synchrotron emission in air. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 449, 794-808	4.3	2
340	Non-rotating models for pulsar magnetospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 437, 262-272	4.3	22
339	Visibility of Pulsar Emission: Motion of the Visible Point. <i>Publications of the Astronomical Society of Australia</i> , 2014 , 31,	5.5	16
338	Bulk Energization of Electrons in Solar Flares by Alfvén Waves. <i>Solar Physics</i> , 2014 , 289, 881-897	2.6	10
337	Quantum Plasmadynamics. <i>Lecture Notes in Physics</i> , 2013 ,	0.8	18
336	Covariant Fluid Models for Magnetized Plasmas. <i>Lecture Notes in Physics</i> , 2013 , 1-39	0.8	
335	Waves in Magnetized Plasmas. <i>Lecture Notes in Physics</i> , 2013 , 105-160	0.8	2
334	Transfer of Energy, Potential, and Current by Alfvén Waves in Solar Flares. <i>Solar Physics</i> , 2013 , 288, 223-240	4.6	7
333	Response Tensors for Magnetized Plasmas. <i>Lecture Notes in Physics</i> , 2013 , 41-104	0.8	
332	Response of a Magnetized Electron Gas. <i>Lecture Notes in Physics</i> , 2013 , 393-463	0.8	
331	Gyromagnetic Processes. <i>Lecture Notes in Physics</i> , 2013 , 161-200	0.8	
330	Quantum Theory of Gyromagnetic Processes. <i>Lecture Notes in Physics</i> , 2013 , 251-307	0.8	

329	Magnetized Vacuum. <i>Lecture Notes in Physics</i> , 2013 , 339-391	0.8	
328	Observations and modelling of pulsed radio emission from CU Virginis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 421, 3316-3324	4.3	19
327	GENERIC MODEL FOR MAGNETIC EXPLOSIONS APPLIED TO SOLAR FLARES. <i>Astrophysical Journal</i> , 2012 , 749, 58	4.7	11
326	MAGNETIC EXPLOSIONS: ROLE OF THE INDUCTIVE ELECTRIC FIELD. <i>Astrophysical Journal</i> , 2012 , 749, 59	4.7	9
325	Spin-dependent relativistic quantum magnetized electron gas. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012 , 45, 395501	2	2
324	Spin effect on parametric interactions of waves in magnetoplasmas. <i>Physics of Plasmas</i> , 2012 , 19, 112114	4.1	14
323	Hans Adolph Buchdahl 1919 - 2010. <i>Historical Records of Australian Science</i> , 2012 , 23, 159	0.2	0
322	OBLIQUELY ROTATING PULSARS: SCREENING OF THE INDUCTIVE ELECTRIC FIELD. <i>Astrophysical Journal</i> , 2012 , 745, 169	4.7	17
321	Pulsar electrodynamics revisited. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 283-286	0.1	
320	Changes in Polarization Position Angle across the Eclipse in the Double Pulsar System. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 580-582	0.1	
319	CHANGES IN POLARIZATION POSITION ANGLE ACROSS THE ECLIPSE IN THE DOUBLE PULSAR SYSTEM. <i>Astrophysical Journal Letters</i> , 2012 , 752, L32	7.9	3
318	DIVISION II: SUN and HELIOSPHERE. <i>Proceedings of the International Astronomical Union</i> , 2011 , 7, 61-68	0.1	
317	Pulsar current revisited. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 410, 2363-2369	4.3	7
316	A resistive instability of lower hybrid-like waves in regions with parallel currents. <i>Physics of Plasmas</i> , 2011 , 18, 082103	2.1	
315	Wave dispersion in a counterstreaming, relativistic thermal, magnetized, electron-positron plasma. <i>Physical Review E</i> , 2011 , 83, 056407	2.4	9
314	Reactive instabilities of lower hybrid-like waves in regions with parallel currents. <i>Physics of Plasmas</i> , 2011 , 18, 052111	2.1	1
313	Classical relativistic model for spin dependence in a magnetized electron gas. <i>Physical Review E</i> , 2011 , 83, 056404	2.4	12
312	MAGNETIC EXPLOSIONS, WITH APPLICATION TO SOLAR FLARES AND TO MAGNETAR OUTBURSTS. <i>International Journal of Modern Physics E</i> , 2011 , 20, 32-43	0.7	

311	Dispersion in a thermal plasma including arbitrary degeneracy and quantum recoil. <i>Physical Review E</i> , 2010 , 82, 056402	2.4	29
310	Plasma dispersion function for a Fermi-Dirac distribution. <i>Physics of Plasmas</i> , 2010 , 17, 122103	2.1	21
309	Plasma processes in pulsar magnetospheres. <i>Proceedings of the International Astronomical Union</i> , 2010 , 6, 208-213	0.1	
308	FARADAY ROTATION: EFFECT OF MAGNETIC FIELD REVERSALS. <i>Astrophysical Journal</i> , 2010 , 725, 1600-1606	1.7	2
307	Warm electromagnetic lower hybrid wave dispersion relation. <i>Physics of Plasmas</i> , 2009 , 16, 052105	2.1	22
306	Response of a relativistic quantum magnetized electron gas. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009 , 42, 345502	2	7
305	Saturated magnetic field amplification at supernova shocks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 397, 1402-1409	4.3	20
304	Quantum recoil and Bohm diffusion. <i>Physics of Plasmas</i> , 2009 , 16, 094508	2.1	27
303	Quantum effects on the dispersion of ion acoustic waves. <i>Physics of Plasmas</i> , 2009 , 16, 102110	2.1	20
302	LINEAR ACCELERATION EMISSION. I. MOTION IN A LARGE-AMPLITUDE ELECTROSTATIC WAVE. <i>Astrophysical Journal</i> , 2009 , 698, 115-123	4.7	14
301	LINEAR ACCELERATION EMISSION. II. POWER SPECTRUM. <i>Astrophysical Journal</i> , 2009 , 698, 124-130	4.7	14
300	Pair Modes in Relativistic Quantum Plasmas 2009 , 149-164		
299	Oscillating pulsar polar gaps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 387, 1291-1302	4.3	19
298	Quantum Plasmadynamics. <i>Lecture Notes in Physics</i> , 2008 ,	0.8	79
297	COMMISSION 10: SOLAR ACTIVITY. <i>Proceedings of the International Astronomical Union</i> , 2008 , 4, 79-103	0.1	4
296	Coherent emission. <i>Proceedings of the International Astronomical Union</i> , 2008 , 4, 305-315	0.1	9
295	Properties of lower hybrid waves. <i>Proceedings of the International Astronomical Union</i> , 2008 , 4, 569-573	0.1	2
294	Wave dispersion in a counterstreaming, cold, magnetized, electron-positron plasma. <i>Physical Review E</i> , 2008 , 77, 046403	2.4	15

293	Alfvén turbulence in collisionless plasmas. <i>Planetary and Space Science</i> , 2007 , 55, 2281-2285	2	3
292	Pulsar radiation belts and transient radio emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007 , 378, 1481-1490	4.3	34
291	The QCD phase diagram and the gamma-ray bursts. <i>Nuclear Physics A</i> , 2007 , 790, 558c-561c	1.3	
290	Dispersion in a relativistic degenerate electron gas. <i>Journal of Plasma Physics</i> , 2007 , 73, 495-513	2.7	14
289	Covariant form for the collision integral. <i>Journal of Plasma Physics</i> , 2007 , 73, 599-611	2.7	2
288	What is Special about HBRPs. <i>Research in Astronomy and Astrophysics</i> , 2006 , 6, 59-63		
287	Quark stars within relativistic models. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006 , 32, 1081-1095	2.9	54
286	Gamma bursts and the QCD phase diagram. <i>Physical Review C</i> , 2006 , 73,	2.7	13
285	A Generic Pulsar Radio Emission Mechanism. <i>Research in Astronomy and Astrophysics</i> , 2006 , 6, 74-80		6
284	Relativistic quantum plasma dispersion functions. <i>Journal of Physics A</i> , 2006 , 39, 8727-8740		13
283	Vacuum polarization in supercritical fields and at frequencies above 2m. <i>Physical Review D</i> , 2006 , 73,	4.9	4
282	Depolarization of Radio Bursts Due to Reflection off Sharp Boundaries in the Solar Corona. <i>Astrophysical Journal</i> , 2006 , 637, 1113-1121	4.7	14
281	Acceleration: problems and progress. <i>Proceedings of the International Astronomical Union</i> , 2006 , 2, 81-82	0.1	
280	Scintillation of Radio Sources: The Signature of a Caustic. <i>Astrophysical Journal</i> , 2006 , 647, 1142-1150	4.7	5
279	Scintillation of Radio Sources: The Role of Caustics. <i>Astrophysical Journal</i> , 2006 , 647, 1131-1141	4.7	4
278	An empirical model for the polarization of pulsar radio emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 365, 638-646	4.3	16
277	Anisotropic weak turbulence of Alfvén waves in collisionless astrophysical plasmas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 368, 1151-1158	4.3	28
276	Pair emission from bare magnetized strange stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 371, 204-210	4.3	9

275	The induced turbulence effect on propagation of radio emission in pulsar magnetospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 371, 1395-1404	4.3	9
274	Strange Star Equations of State Revisited. <i>Publications of the Astronomical Society of Australia</i> , 2005 , 22, 292-297	5.5	6
273	Maser Emission in Astrophysical Plasmas: 2003 Robert Ellery Lecture. <i>Publications of the Astronomical Society of Australia</i> , 2005 , 22, 144-152	5.5	3
272	Large-Amplitude, Pair-creating Oscillations in Pulsar and Black Hole Magnetospheres. <i>Astrophysical Journal</i> , 2005 , 631, 456-465	4.7	73
271	Resonances and dispersion in relativistic plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005 , 347, 103-113	2.3	3
270	On the origin of the drifting subpulses in radio pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005 , 360, 669-674	4.3	24
269	Orthogonal Mode Polarization of Pulsar Radio Emission. <i>Symposium - International Astronomical Union</i> , 2004 , 218, 381-382		
268	Polarized maser growth. <i>Physical Review E</i> , 2004 , 70, 056408	2.4	6
267	Wave dispersion near cyclotron resonance in pulsar plasmas. <i>Physical Review E</i> , 2004 , 70, 016404	2.4	8
266	Circular polarization in pulsar radio emission due to intrinsically relativistic effects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 352, 915-923	4.3	25
265	Interpretation of parabolic arcs in pulsar secondary spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 354, 43-54	4.3	76
264	Conservation of both current and helicity in a quadrupolar model for solar flares. <i>Solar Physics</i> , 2004 , 221, 121-133	2.6	8
263	Approximate plasma dispersion functions at relativistic temperatures. <i>Journal of Plasma Physics</i> , 2004 , 70, 709-718	2.7	5
262	Pulsar emissions. <i>Plasma Physics and Controlled Fusion</i> , 2003 , 45, 523-534	2	6
261	Cyclotron absorption in rotating pulsar magnetospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003 , 343, 1248-1256	4.3	18
260	Optical activity in an isotropic gas of electrons with a preferred helicity. <i>Physical Review E</i> , 2003 , 68, 046404	4.0	3
259	Commission 10: Solar Activity: (Activite Solaire). <i>Transactions of the International Astronomical Union</i> , 2002 , 25, 77-89		
258	One-photon pair production in pulsars: non-relativistic and relativistic regimes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002 , 329, 115-125	4.3	11

257	Mechanism of pulsar radio emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002 , 337, 422-430	4.3	22
256	Wave dispersion in gyrotropic relativistic pulsar plasmas. <i>Physical Review E</i> , 2002 , 66, 026405	2.4	17
255	Quasilinear diffusion as a result of modulational instability in the pulsar plasma. <i>Physical Review E</i> , 2002 , 65, 036408	2.4	16
254	Quantum correction to the linear response for a magnetized electron gas. <i>Physics of Plasmas</i> , 2002 , 9, 4473-4480	2.1	22
253	New mechanism of pulsar radio emission. <i>Physical Review Letters</i> , 2002 , 88, 121101	7.4	26
252	Spin flips in cyclotron emission by an electron. <i>Journal of Physics A</i> , 2002 , 35, 135-150		8
251	Coherent Emission in AGN: A Critique. <i>Publications of the Astronomical Society of Australia</i> , 2002 , 19, 34-38	3.5	10
250	Cyclotron absorption of radio emission within pulsar magnetospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001 , 325, 187-196	4.3	25
249	Low-frequency waves in asymmetric magnetized relativistic pair plasma. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001 , 325, 715-725	4.3	16
248	YOHKOH/HXT EVIDENCE FOR A HYPERHOT LOOP-TOP SOURCE IN THE PRE-IMPULSIVE PHASE OF A LOOP FLARE. <i>Solar Physics</i> , 2001 , 202, 117-130	2.6	6
247	Waves in strongly magnetized relativistic plasmas: generally covariant approach. <i>Physical Review E</i> , 2001 , 64, 027401	2.4	7
246	Shock Drift Acceleration of Electrons. <i>Publications of the Astronomical Society of Australia</i> , 2001 , 18, 361-373	3.3	54
245	Cyclotron effects on wave dispersion in pulsar plasmas. <i>Journal of Plasma Physics</i> , 2000 , 64, 333-352	2.7	11
244	A new mechanism for pulsar gamma-ray emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000 , 312, 51-56	4.3	16
243	High-energy emission from millisecond pulsars: polar cap models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000 , 318, 943-951	4.3	24
242	Wave Dispersion in Highly Relativistic Plasma. <i>Physica Scripta</i> , 2000 , T84, 7	2.6	2
241	The Status of Pulsar Emission Theory. <i>International Astronomical Union Colloquium</i> , 2000 , 177, 721-726		1
240	Particle acceleration by a fast ordinary mode in an electron-positron plasma. <i>Physics of Plasmas</i> , 2000 , 7, 1280-1286	2.1	10

239	Circular polarization induced by scintillation in a magnetized medium. <i>Physical Review E</i> , 2000 , 62, 4177-884	884	11
238	Scintillation-induced Circular Polarization in Pulsars and Quasars. <i>Astrophysical Journal</i> , 2000 , 545, 798-806	806	42
237	Reply to Comment on Bonderomotive force due to neutrinos \square <i>Physical Review D</i> , 1999 , 60,	4.9	1
236	Nonlinear dynamics of an ordinary electromagnetic mode in a pair plasma. <i>Physical Review E</i> , 1999 , 59, 4552-4558	2.4	33
235	Relativistic Plasma Emission and Pulsar Radio Emission: A Critique. <i>Astrophysical Journal</i> , 1999 , 521, 351-461	461	82
234	Quadrupolar Magnetic Reconnection in Solar Flares. I. Three-dimensional Geometry Inferred from Yohkoh Observations. <i>Astrophysical Journal</i> , 1999 , 526, 1026-1045	4.7	70
233	Dispersion in an intrinsically relativistic, one-dimensional, strongly magnetized pair plasma. <i>Journal of Plasma Physics</i> , 1999 , 62, 233-248	2.7	38
232	Generalized Trubnikov functions for unmagnetized plasmas. <i>Journal of Plasma Physics</i> , 1999 , 62, 249-253	3.7	6
231	Radiation From Instabilities In Space Plasmas 1999 , 401-410		
230	Coherent Emission In Astrophysics: A Critique 1999 , 391-400		
229	Covariant Electromagnetic Forces in a Time-dependent and Inhomogeneous Medium. <i>Physica Scripta</i> , 1998 , 57, 298-300	2.6	1
228	Photon splitting in strong magnetic fields: S-matrix calculations. <i>Physical Review D</i> , 1998 , 57, 5526-5538	4.9	9
227	Long waves in a relativistic pair plasma in a strong magnetic field. <i>Physical Review E</i> , 1998 , 57, 3399-3410	2.4	54
226	Neutrino emission via the plasma process in a magnetized plasma. <i>Physical Review D</i> , 1998 , 58,	4.9	6
225	Propagation-induced Circular Polarisation in Synchrotron Sources. <i>Publications of the Astronomical Society of Australia</i> , 1998 , 15, 211-216	5.5	51
224	Observational Tests of a Double Loop Model for Solar Flares. <i>Publications of the Astronomical Society of Australia</i> , 1998 , 15, 318-324	5.5	7
223	Stochastic Faraday Rotation. <i>Astrophysical Journal</i> , 1998 , 505, 921-927	4.7	16
222	Some properties of magnetized pair plasmas. <i>Plasma Physics and Controlled Fusion</i> , 1997 , 39, A93-A100	2	19

221	Dispersion and birefringence in a synchrotron-emitting gas. <i>Physical Review E</i> , 1997 , 56, 3527-3533	2.4	7
220	Growth of low-frequency waves due to a photon beam in a magnetized electron-positron plasma. <i>Journal of Plasma Physics</i> , 1997 , 58, 345-366	2.7	2
219	The response tensor for a highly relativistic magnetized thermal plasma. <i>Journal of Plasma Physics</i> , 1997 , 58, 735-745	2.7	21
218	Response of a relativistic anisotropic thermal plasma. Part 1. Unmagnetized particles. <i>Journal of Plasma Physics</i> , 1997 , 58, 705-719	2.7	3
217	Response of a relativistic anisotropic thermal plasma. Part 2. Magnetized particles. <i>Journal of Plasma Physics</i> , 1997 , 58, 721-734	2.7	4
216	Covariant form of Trubnikov's response tensor for a relativistic magnetized thermal plasma. <i>Journal of Plasma Physics</i> , 1997 , 57, 479-488	2.7	11
215	Langmuir Wave Generation through a Neutrino Beam Instability. <i>Astrophysical Journal</i> , 1997 , 480, 705-713	3.7	16
214	A Solar Flare Model Based on Magnetic Reconnection between Current-carrying Loops. <i>Astrophysical Journal</i> , 1997 , 486, 521-533	4.7	76
213	THE POLARISATION OF SECOND HARMONIC CORONAL TYPE III BURSTS. <i>Solar Physics</i> , 1997 , 171, 393-418	4.8	25
212	Particle Acceleration and Nonthermal Radiation in Space Plasmas 1997 , 208-246		1
211	Effect of Synchrotron Losses on Multiple Diffusive Shock Acceleration. <i>Publications of the Astronomical Society of Australia</i> , 1997 , 14, 251-257	5.5	13
210	Synchrotron Aging in Filamented Magnetic Fields. <i>Astrophysical Journal</i> , 1997 , 483, 282-295	4.7	31
209	Energy transport in a rotation-modulated pulsar wind. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996 , 279, 1168-1190	4.3	88
208	Whence the pulses?. <i>International Astronomical Union Colloquium</i> , 1996 , 160, 139-146		1
207	Energy Transport in a Rotation-Modulated Pulsar Wind. <i>International Astronomical Union Colloquium</i> , 1996 , 160, 421-424		3
206	Quantum plasmadynamics: role of the electron self-energy and the vertex correction. <i>Journal of Plasma Physics</i> , 1996 , 56, 95-105	2.7	6
205	Reply to Comments by E. N. Parker. <i>Astrophysical Journal</i> , 1996 , 471, 497-500	4.7	11
204	Shock Acceleration in Hot Spots. <i>Publications of the Astronomical Society of Australia</i> , 1996 , 13, 132-139	5.5	2

203	Production of Pairs by Linear Acceleration Emission. <i>Publications of the Astronomical Society of Australia</i> , 1996 , 13, 140-143	5.5	1
202	Langmuir Wave Emission by Neutrinos in a Medium. <i>Publications of the Astronomical Society of Australia</i> , 1996 , 13, 144-149	5.5	7
201	Particle acceleration and nonthermal radiation in space plasmas. <i>Astrophysics and Space Science</i> , 1996 , 242, 209-246	1.6	7
200	Ponderomotive force due to neutrinos. <i>Physical Review D</i> , 1996 , 54, 6491-6496	4.9	8
199	Second harmonic electromagnetic emission via Langmuir wave coalescence. <i>Physics of Plasmas</i> , 1996 , 3, 149-159	2.1	62
198	The Nature of Flat Spectrum Sources 1996 , 423-426		5
197	Bound Pair Creation in Polar Gaps and Gamma-Ray Emission from Radio Pulsars. <i>Astrophysical Journal</i> , 1996 , 464, 306	4.7	63
196	Plasma astrophysics. <i>Plasma Physics and Controlled Fusion</i> , 1996 , 38,	2	6
195	Energy release in a prominence-loaded flaring loop. <i>Solar Physics</i> , 1995 , 159, 137-141	2.6	5
194	Mode coupling due to twisting of magnetic field lines. <i>Solar Physics</i> , 1995 , 158, 139-158	2.6	6
193	The models for radio emission from pulsars—the outstanding issues. <i>Journal of Astrophysics and Astronomy</i> , 1995 , 16, 137-164	1.4	51
192	Solar Second Harmonic Plasma Emission and the Head-on Approximation. <i>Publications of the Astronomical Society of Australia</i> , 1995 , 12, 197-201	5.5	2
191	Induced Three-wave Interactions in Eclipsing Pulsars. <i>Publications of the Astronomical Society of Australia</i> , 1995 , 12, 71-75	5.5	
190	Curvature maser emission due to field line torsion in pulsar magnetospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 1995 , 276, 372-382	4.3	33
189	Stellar wind and stellar disc models of dispersion and rotation measure variations in the PSR B1259-63/SS2883 binary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 1995 , 275, 381-397	4.3	72
188	Induced Compton Scattering in a Pulsar Wind. <i>Publications of the Astronomical Society of Australia</i> , 1995 , 12, 84-88	5.5	3
187	Pulsars with Strong Magnetic Fields: Polar Gaps, Bound Pair Creation and Nonthermal Luminosities. <i>Australian Journal of Physics</i> , 1995 , 48, 571		77
186	Current Paths in the Corona and Energy Release in Solar Flares. <i>Astrophysical Journal</i> , 1995 , 451, 391	4.7	72

185	Pulsar Eclipses due to Induced Scattering in Magnetized Plasmas. <i>Astrophysical Journal</i> , 1995 , 452, 346	4.7	20
184	The Origin of Cosmic Rays above 10 ^{18.5} eV. <i>Astrophysical Journal</i> , 1995 , 454, 60	4.7	168
183	Turbulent Acceleration in Solar Flares. <i>International Astronomical Union Colloquium</i> , 1994 , 142, 623-630		
182	Uniqueness of the Alfvén singularity in a relativistic pulsar wind. <i>Monthly Notices of the Royal Astronomical Society</i> , 1994 , 270, 687-691	4.3	5
181	Amplified electrostatic transverse waves in pulsar magnetospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 1994 , 268, 159-168	4.3	9
180	Cyclotron masers and solar spike bursts. <i>Space Science Reviews</i> , 1994 , 68, 159-170	7.5	13
179	Three-wave turbulence in pulsar winds. <i>Solar Physics</i> , 1994 , 154, 187-198	2.6	9
178	Elliptically polarized Jovian decametric radiation: An investigation of the electron cyclotron maser mechanism. <i>Journal of Geophysical Research</i> , 1994 , 99, 21203		2
177	Pulsar processes. <i>Science</i> , 1994 , 264, 853	33.3	1
176	Surface currents on models of force-free solar magnetic flux tubes. <i>Journal of Plasma Physics</i> , 1994 , 51, 163-176	2.7	10
175	Induced photon decay and photon-beam-induced Langmuir turbulence. <i>Journal of Plasma Physics</i> , 1994 , 51, 13-27	2.7	8
174	Diffusive Shock Acceleration by Multiple Shock Fronts with Differing Properties. <i>Publications of the Astronomical Society of Australia</i> , 1994 , 11, 175-179	5.5	18
173	Shock Drift Acceleration and Type II Solar Radio Bursts. <i>Publications of the Astronomical Society of Australia</i> , 1994 , 11, 21-24	5.5	6
172	Alfvénic Fronts and the turning-off of the Energy Release in Solar Flares. <i>Publications of the Astronomical Society of Australia</i> , 1994 , 11, 25-27	5.5	2
171	Reversal of the Sense of Polarisation in Solar and Stellar Radio Flares. <i>Publications of the Astronomical Society of Australia</i> , 1994 , 11, 16-20	5.5	8
170	Magnetic Fields and Shocks in Molecular Clouds. <i>Publications of the Astronomical Society of Australia</i> , 1994 , 11, 58-60	5.5	1
169	Cross-field Current Closure Below the Solar Photosphere. <i>Australian Journal of Physics</i> , 1994 , 47, 361		2
168	Turbulent acceleration in solar flares. <i>Astrophysical Journal, Supplement Series</i> , 1994 , 90, 623	8	27

167	Cyclotron Masers and Solar Spike Bursts 1994 , 159-170		
166	Two Alternative Mechanisms for Very Bright Radio Emission from Flare Stars. <i>Publications of the Astronomical Society of Australia</i> , 1993 , 10, 254-257	5.5	2
165	Diffusive Shock Acceleration by Multiple Shocks. <i>Publications of the Astronomical Society of Australia</i> , 1993 , 10, 222-224	5.5	44
164	Coulomb Interactions between Cosmic Rays and Charged Dust Grains. <i>Publications of the Astronomical Society of Australia</i> , 1993 , 10, 218-221	5.5	2
163	Scintillations in a magnetized plasma. Part 1. The mutual coherence function. <i>Journal of Plasma Physics</i> , 1993 , 50, 267-281	2.7	8
162	Scintillations in a magnetized plasma. Part 2. The fourth-order moment. <i>Journal of Plasma Physics</i> , 1993 , 50, 283-291	2.7	7
161	Electron cyclotron maser emission at oblique angles. <i>Planetary and Space Science</i> , 1993 , 41, 333-339	2	9
160	Solar Flares: Current Dissipation or Magnetic Annihilation?. <i>Australian Journal of Physics</i> , 1993 , 46, 167		6
159	Covariant Formulation of the Ponderomotive Force. <i>Australian Journal of Physics</i> , 1993 , 46, 503		2
158	Coherent curvature emission and radio pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 1992 , 258, 616-620	4.3	46
157	Curvature Emission and Absorption: Single Particle Treatment. <i>Publications of the Astronomical Society of Australia</i> , 1992 , 10, 45-47	5.5	3
156	Energy Dissipation due to Mass Loss in a Rotating System. <i>Publications of the Astronomical Society of Australia</i> , 1992 , 10, 48-51	5.5	
155	Coherent Radio-Emission Mechanisms for Pulsars. <i>International Astronomical Union Colloquium</i> , 1992 , 128, 305-315		19
154	Particle acceleration in the impulsive phase of solar flares 1992 , 145-156		
153	Energy propagation into a flare kernel during a solar fire. <i>Astrophysical Journal</i> , 1992 , 387, 403	4.7	26
152	X-ray emission from single magnetic early-type stars. <i>Astrophysical Journal</i> , 1992 , 395, 575	4.7	52
151	On 'high flyers' in Fermi acceleration. <i>Astrophysical Journal</i> , 1992 , 398, L65	4.7	6
150	Unneutralised Currents in Solar Flares. <i>Publications of the Astronomical Society of Australia</i> , 1991 , 9, 326-327		

149	Collective Plasma Radiation Processes. <i>Annual Review of Astronomy and Astrophysics</i> , 1991 , 29, 31-57	31.7	40
148	Electromagnetic Processes in Dispersive Media 1991 ,		117
147	Emission at cyclotron harmonics due to coalescence of z-mode waves. <i>Astrophysical Journal</i> , 1991 , 380, 256	4.7	24
146	Neutralized and unneutralized current patterns in the solar corona. <i>Astrophysical Journal</i> , 1991 , 381, 306	4.7	52
145	The Energy Release in Solar Flares: Implications of a Constant-Current Model. <i>Publications of the Astronomical Society of Australia</i> , 1990 , 8, 286-288	5.5	2
144	Two Models for the Radio Spectra of Stellar Flares. <i>Publications of the Astronomical Society of Australia</i> , 1990 , 8, 283-285	5.5	1
143	Particle beams in the solar atmosphere: General overview. <i>Solar Physics</i> , 1990 , 130, 3-18	2.6	43
142	Particle Acceleration Processes in the Solar Corona. <i>Australian Journal of Physics</i> , 1990 , 43, 703		28
141	Wave localization in solar type III events. <i>Solar Physics</i> , 1989 , 119, 385-398	2.6	1
140	Depolarization of solar bursts due to scattering by low-frequency waves. <i>Solar Physics</i> , 1989 , 119, 143-156	2.6	14
139	Quasi-linear relaxation of electrons interacting with an inhomogeneous distribution of Langmuir waves. <i>Solar Physics</i> , 1989 , 123, 343-356	2.6	21
138	The brightness temperatures of solar type III bursts. <i>Solar Physics</i> , 1989 , 120, 369-381	2.6	22
137	On the stability of proton beams against resonant scattering by Alfvén waves in solar flare loops. <i>Astrophysical Journal</i> , 1989 , 342, 576	4.7	14
136	Impulsive Phase Transport. <i>Astrophysics and Space Science Library</i> , 1989 , 225-302	0.3	
135	Implications of Liouville's theorem on the apparent brightness temperatures of solar radio bursts. <i>Solar Physics</i> , 1988 , 116, 141	2.6	18
134	The Zakharov equations: a derivation using kinetic theory. <i>Journal of Plasma Physics</i> , 1987 , 37, 241-246	2.7	16
133	Temporal evolution of reactive and resistive nonlinear instabilities. <i>Journal of Plasma Physics</i> , 1987 , 38, 473-481	2.7	3
132	Solar Flares: Implications of the Circuit Model (Invited Paper). <i>Publications of the Astronomical Society of Australia</i> , 1987 , 7, 6-12	5.5	1

131	Solar Radio Bursts with Special Regard to Particle Acceleration and Mass Ejection. <i>Physica Scripta</i> , 1987 , T18, 29-38	2.6	5
130	Plasma emission: A review. <i>Solar Physics</i> , 1987 , 111, 89-101	2.6	72
129	The resistances of the photosphere and of a flaring coronal loop. <i>Solar Physics</i> , 1987 , 113, 241-248	2.6	20
128	Microstructures in type III events in the solar wind. <i>Solar Physics</i> , 1987 , 107, 329-350	2.6	44
127	The Cubic Response Tensor for a Magnetised Plasma: A Covariant Forward-scattering Approach. <i>Australian Journal of Physics</i> , 1987 , 40, 139		4
126	On the controversy concerning turbulent bremsstrahlung. <i>Astrophysical Journal</i> , 1987 , 323, 338	4.7	10
125	Plasma Emission: A Review 1987 , 89-101		
124	Nonthermal phenomena in stellar coronae: Theory 1987 , 83-94		3
123	Reactive and resistive nonlinear instabilities. <i>Journal of Plasma Physics</i> , 1986 , 36, 269-279	2.7	15
122	Plasma and radiation processes (invited review). <i>Astrophysics and Space Science</i> , 1986 , 118, 183-193	1.6	
121	Generation of ordinary mode auroral kilometric radiation from extraordinary mode waves. <i>Journal of Geophysical Research</i> , 1986 , 91, 211		13
120	A phase-bunching mechanism for fine structures in auroral kilometric radiation and Jovian decametric radiation. <i>Journal of Geophysical Research</i> , 1986 , 91, 7970		40
119	Instabilities in Space and Laboratory Plasmas 1986 ,		401
118	Four-wave Processes Involving Two Low Frequency Waves. <i>Australian Journal of Physics</i> , 1986 , 39, 891		2
117	Particle propagation effects on wave growth in a solar flux tube. <i>Astrophysical Journal</i> , 1986 , 308, 424	4.7	20
116	Plasma and Radiation Processes (Invited Review) 1986 , 183-193		
115	The loss-cone driven instability for Langmuir waves in an unmagnetized plasma. <i>Solar Physics</i> , 1985 , 96, 157	2.6	15
114	QED and X-Ray Pulsars. <i>Publications of the Astronomical Society of Australia</i> , 1985 , 6, 211-214	5.5	1

113	Commission 10. Solar Activity. <i>Transactions of the International Astronomical Union</i> , 1985 , 19, 57-59		
112	A theory for the 2fp radiation upstream of the Earth's bow shock. <i>Journal of Geophysical Research</i> , 1985 , 90, 6637		82
111	Nonexistence of two forms of turbulent bremsstrahlung. <i>Astrophysical Journal</i> , 1985 , 294, 28	4.7	10
110	Damping of the Magnetoionic Z Mode. <i>Astrophysics and Space Science Library</i> , 1985 , 47-48	0.3	
109	Theoretical Problems Related to Stellar Radio Emission. <i>Astrophysics and Space Science Library</i> , 1985 , 351-358	0.3	1
108	Dispersion in a Relativistic Quantum Electron Gas. II. Thermal Distributions. <i>Australian Journal of Physics</i> , 1984 , 37, 639		10
107	Electron-cyclotron maser emission: Relative growth and damping rates for different modes and harmonics. <i>Journal of Geophysical Research</i> , 1984 , 89, 897		121
106	Two-Photon Cyclotron Emission in Accretion Columns. <i>Publications of the Astronomical Society of Australia</i> , 1984 , 5, 478-480	5.5	3
105	Resonant parts of nonlinear response tensors. <i>Journal of Plasma Physics</i> , 1984 , 32, 239-253	2.7	15
104	Gyromagnetic Emission and Absorption: Approximate Formulas of Wide Validity. <i>Australian Journal of Physics</i> , 1984 , 37, 675		43
103	Radio-frequency heating of the coronal plasma during flares. <i>Astrophysical Journal</i> , 1984 , 282, 308	4.7	45
102	Inversion of synchrotron spectra. <i>Astrophysics and Space Science</i> , 1983 , 92, 105-112	1.6	9
101	Frequency splitting in stria bursts: Possible roles of low-frequency waves. <i>Solar Physics</i> , 1983 , 87, 359	2.6	17
100	Prompt acceleration of ~ 30 MeV per nucleon ions in solar flares. <i>Solar Physics</i> , 1983 , 89, 149-162	2.6	23
99	Cyclotron maser emission of auroral Z mode radiation. <i>Journal of Geophysical Research</i> , 1983 , 88, 10065		19
98	Quantum Electrodynamics in Strong Magnetic Fields. III. Electron-Photon Interactions. <i>Australian Journal of Physics</i> , 1983 , 36, 799		49
97	Electron Cyclotron Masers during Solar Flares. <i>Publications of the Astronomical Society of Australia</i> , 1983 , 5, 188-191	5.5	17
96	Drifting Subpulses in Pulsars. <i>Publications of the Astronomical Society of Australia</i> , 1983 , 5, 191-195	5.5	1

95	Electron Cyclotron Maser Emission near the Cutoff Frequencies. <i>Australian Journal of Physics</i> , 1983 , 36, 725		22
94	Quantum Electrodynamics in Strong Magnetic Fields. I. Electron States. <i>Australian Journal of Physics</i> , 1983 , 36, 755		63
93	Quantum Electrodynamics in Strong Magnetic Fields. II. Photon Fields and Interactions. <i>Australian Journal of Physics</i> , 1983 , 36, 775		24
92	The Loss-cone Driven Electron-cyclotron Maser. <i>Australian Journal of Physics</i> , 1982 , 35, 447		99
91	Terrestrial kilometric radiation: The cyclotron theory. <i>Journal of Geophysical Research</i> , 1982 , 87, 5140-5150		111
90	Fundamental emission for type III bursts in the interplanetary medium: The role of ion-sound turbulence. <i>Solar Physics</i> , 1982 , 79, 173-185	2.6	46
89	Covariant Description of Dispersion in a Relativistic Thermal Electron Gas. <i>Australian Journal of Physics</i> , 1982 , 35, 41		15
88	'Plasma Emission' without Langmuir Waves. <i>Australian Journal of Physics</i> , 1982 , 35, 67		38
87	Electron-cyclotron masers as the source of certain solar and stellar radio bursts. <i>Astrophysical Journal</i> , 1982 , 259, 844	4.7	35 ¹
86	In situ acceleration in extragalactic radio jets. <i>Astrophysical Journal</i> , 1982 , 262, 511	4.7	40
85	Radio wave heating of the corona and electron precipitation during flares. <i>Astrophysical Journal</i> , 1982 , 259, L41	4.7	45
84	A theory for the nonthermal radio continua in the terrestrial and Jovian magnetospheres. <i>Journal of Geophysical Research</i> , 1981 , 86, 30		77
83	Precipitation from an asymmetric magnetic flux tube. <i>Journal of Geophysical Research</i> , 1981 , 86, 2183		12
82	The Theory of Solar Radio Bursts: Can it be understood by the Non-Expert?. <i>Publications of the Astronomical Society of Australia</i> , 1981 , 4, 139-144	5.5	1
81	Two-Photon Absorption and the Cyclotron Line in Her X-1. <i>Publications of the Astronomical Society of Australia</i> , 1981 , 4, 214-217	5.5	3
80	A Cyclotron Theory for the Beaming Pattern of Jupiter's Decametric Radio Emission. <i>Publications of the Astronomical Society of Australia</i> , 1981 , 4, 221-226	5.5	34
79	Maser Pulse Emission Mechanisms. <i>Symposium - International Astronomical Union</i> , 1981 , 95, 133-140		2
78	Maser Pulse Emission Mechanisms 1981 , 133-140		6

77	The Transformation Properties of the Energy?Momentum Tensor for Dispersive Waves. <i>Australian Journal of Physics</i> , 1981 , 34, 563		8
76	Mode Coupling in the Solar Corona. VI. Direct Conversion of Langmuir Waves into o-mode Waves. <i>Australian Journal of Physics</i> , 1980 , 33, 121		25
75	A plasma-emission mechanism for type I solar radio emission. <i>Solar Physics</i> , 1980 , 67, 357-375	2.6	52
74	The emission mechanisms for solar radio bursts. <i>Space Science Reviews</i> , 1980 , 26, 3-38	7.5	155
73	Corrected Formula for the Polarization of Second Harmonic Plasma Emission. <i>Publications of the Astronomical Society of Australia</i> , 1980 , 4, 50-53	5.5	26
72	Radio Burst Emission Mechanisms: General Review. <i>Symposium - International Astronomical Union</i> , 1980 , 86, 149-156		
71	Comments on the equation of polarization transfer in an inhomogeneous magnetized plasma. I. Formalism by F.T. Cheng and P.C.W. Fung. <i>Astrophysics and Space Science</i> , 1979 , 64, 45-48	1.6	1
70	Evidence for Extreme Divergence of Open Field Lines from Solar Active Regions. <i>Publications of the Astronomical Society of Australia</i> , 1979 , 3, 375-379	5.5	15
69	Effect of Asymmetry on a Trap Model for Solar Hard X-ray Bursts. <i>Publications of the Astronomical Society of Australia</i> , 1979 , 3, 369-371	5.5	22
68	Propagation Effects on the Polarization of Pulsar Radio Emission. <i>Australian Journal of Physics</i> , 1979 , 32, 61		36
67	Production of a collisionless conduction front by rapid coronal heating and its role in solar hard X-ray bursts. <i>Astrophysical Journal</i> , 1979 , 228, 592	4.7	168
66	The gyrosynchrotron emission from quasi-thermal electrons and applications to solar flares. <i>Astrophysical Journal</i> , 1979 , 234, 1137	4.7	27
65	A Gyro-Synchrotron Maser in the Solar Corona?. <i>Publications of the Astronomical Society of Australia</i> , 1978 , 3, 231-233	5.5	8
64	Boundary Effects and the Circular Polarization of Synchrotron Sources. <i>Publications of the Astronomical Society of Australia</i> , 1978 , 3, 229-231	5.5	2
63	Radio Evidence on the Particle Distribution Functions in the Corona following Flares. <i>Publications of the Astronomical Society of Australia</i> , 1978 , 3, 243-247	5.5	9
62	Amplified linear acceleration emission applied to pulsars. <i>Astrophysical Journal</i> , 1978 , 225, 557	4.7	81
61	The polarization tensor for a magnetized vacuum. <i>Journal of Physics A</i> , 1977 , 10, 1211-1224		36
60	Generalised Kramers-Kronig formula for spatially dispersive media. <i>Journal of Physics A</i> , 1977 , 10, L17-L20		33

59	Emission and Absorption of Langmuir Waves by Anisotropic Unmagnetized Particles. <i>Australian Journal of Physics</i> , 1977 , 30, 481		17
58	The Natural Wave Modes in a Pulsar Magnetosphere. <i>Publications of the Astronomical Society of Australia</i> , 1977 , 3, 120-122	5.5	32
57	Remarks on plasma emission and its application to solar radio bursts. <i>Radiophysics and Quantum Electronics</i> , 1977 , 20, 945-951	0.7	2
56	Collective plasma effects and the electron number problem in solar hard X-ray bursts. <i>Solar Physics</i> , 1977 , 52, 117-131	2.6	49
55	Mode Coupling in the Solar Corona. IV. Magnetohydrodynamic Waves. <i>Australian Journal of Physics</i> , 1977 , 30, 647		4
54	Mode Coupling in the Solar Corona. V. Reduction of the Coupled Equations. <i>Australian Journal of Physics</i> , 1977 , 30, 661		3
53	Legendre expansion of the quasi-linear equations for anisotropic particles and Langmuir waves. <i>Astrophysical Journal</i> , 1977 , 218, 866	4.7	9
52	Can Spontaneously Emitted Langmuir Waves Account for Type III Solar Radio Bursts?. <i>Publications of the Astronomical Society of Australia</i> , 1976 , 3, 43-45	5.5	1
51	Vacuum polarization and photon propagation in a magnetic field 1976 , 32, 435-447		51
50	Effects of an ambient magnetic field on the properties of Langmuir waves. <i>Solar Physics</i> , 1976 , 46, 511-513	5.5	6
49	Precipitation in Trap Models for Solar Hard X-ray Bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 1976 , 176, 15-30	4.3	139
48	An interpretation of Jupiter's decametric radiation and the terrestrial kilometric radiation as direct amplified gyroemission. <i>Astrophysical Journal</i> , 1976 , 207, 651	4.7	118
47	Small-scale inhomogeneities in the solar corona: Evidence from meter-radio bursts. <i>Solar Physics</i> , 1975 , 43, 79-86	2.6	19
46	Plasma emission due to isotropic fast electrons, and types I, II, and V solar radio bursts. <i>Solar Physics</i> , 1975 , 43, 211-236	2.6	31
45	Resonant interactions between fast particles and collision-dominated MHD waves. <i>Astrophysics and Space Science</i> , 1975 , 38, 483-493	1.6	
44	Three-wave Interactions Involving One Whistler. <i>Australian Journal of Physics</i> , 1975 , 28, 101		15
43	A Scattering Hypothesis for Type V Solar Radio Bursts. <i>Publications of the Astronomical Society of Australia</i> , 1974 , 2, 261-263	5.5	3
42	A Relationship Between the Brightness Temperatures for Type III Bursts. <i>Symposium - International Astronomical Union</i> , 1974 , 57, 285-287		

41	A relativistic quantum theory for processes in collisionless plasmas. <i>Plasma Physics</i> , 1974 , 16, 845-864		31
40	A relationship between the brightness temperatures for type III bursts. <i>Solar Physics</i> , 1974 , 35, 441-450	2.6	17
39	Resonant scattering of particles and second phase acceleration in the solar corona. <i>Solar Physics</i> , 1974 , 37, 353-365	2.6	56
38	Comments on Neutralization and stabilization of particle streams in the corona and type III radio bursts by Dean F. Smith. <i>Solar Physics</i> , 1974 , 34, 421-425	2.6	4
37	On the propagation of the electron streams generating type III bursts. <i>Solar Physics</i> , 1974 , 38, 205-215	2.6	13
36	Effects of an ambient medium on the emission, absorption and scattering of waves by atoms and molecules. <i>Astrophysics and Space Science</i> , 1974 , 29, 211-219	1.6	2
35	Mode Coupling in the Solar Corona. I. Coupling Near the Plasma Level. <i>Australian Journal of Physics</i> , 1974 , 27, 31		10
34	Mode Coupling in the Solar Corona. II. Oblique Incidence. <i>Australian Journal of Physics</i> , 1974 , 27, 43		8
33	The Mechanism Responsible for 'Shadow' Type III Solar Radio Bursts. II. Absorption due to Ion Sound Turbulence. <i>Australian Journal of Physics</i> , 1974 , 27, 271		10
32	Gyromagnetic Absorption at the Fundamental. <i>Australian Journal of Physics</i> , 1974 , 27, 279		2
31	A covariant formulation of wave dispersion. <i>Plasma Physics</i> , 1973 , 15, 99-106		30
30	A Plasma Hypothesis for Anomalous OH Emission. <i>Publications of the Astronomical Society of Australia</i> , 1973 , 2, 206-208	5.5	1
29	The Relevance of Bipolar Type I Storm Structures to the Theory of Mode Coupling in the Solar Corona. <i>Publications of the Astronomical Society of Australia</i> , 1973 , 2, 208-211	5.5	10
28	Coherent Gyromagnetic Emission as a Radiation Mechanism. <i>Australian Journal of Physics</i> , 1973 , 26, 229		37
27	Symmetry properties of nonlinear responses in a plasma. <i>Plasma Physics</i> , 1972 , 14, 1035-1046		13
26	Plasma Emission Processes in a Magnetoactive Plasma. <i>Australian Journal of Physics</i> , 1972 , 25, 387		74
25	Variation in the Polarization Across Bends in the Spectra of Self-Absorbed Synchrotron Sources. <i>Publications of the Astronomical Society of Australia</i> , 1972 , 2, 140-142	5.5	3
24	Scattering of waves in a magnetoactive plasma. <i>Astrophysics and Space Science</i> , 1972 , 17, 343-356	1.6	45

23	A Razin-Tsyтович effect for bremsstrahlung. <i>Astrophysics and Space Science</i> , 1972 , 18, 267-272	1.6	6
22	A classical counterpart to double Compton scattering 1972 , 7, 669-686		5
21	Transfer of Energy to the Crab Nebula Following the Spin-Up of the Pulsar. <i>Symposium - International Astronomical Union</i> , 1971 , 46, 296-307		2
20	Possible Causes of Line Splitting in Drift Pair Solar Bursts. <i>Publications of the Astronomical Society of Australia</i> , 1971 , 2, 56-57	5.5	3
19	Reply to: Comments on On the formation of energy spectra in synchrotron sources by E. Tademaru, C.E. Newman and F. C. Jones. <i>Astrophysics and Space Science</i> , 1971 , 10, 458-463	1.6	2
18	On the degree of circular polarization of synchrotron radiation. <i>Astrophysics and Space Science</i> , 1971 , 12, 172-192	1.6	29
17	Induced Compton scattering by relativistic particles. <i>Astrophysics and Space Science</i> , 1971 , 13, 56-69	1.6	9
16	A classical derivation of inverse Compton radiation. <i>Astrophysics and Space Science</i> , 1971 , 10, 186-196	1.6	4
15	Electrostatic bremsstrahlung. <i>Astrophysics and Space Science</i> , 1971 , 10, 197-202	1.6	11
14	Transfer of Energy to the Crab Nebula Following the Spin-Up of the Pulsar 1971 , 296-307		
13	On the isotropization of electrons in synchrotron sources. <i>Astrophysics and Space Science</i> , 1970 , 6, 321-337		7
12	On the Theory of Type II and Type III Solar Radio Bursts. I. The Impossibility of Nonthermal Emission due to Combination Scattering Off Thermal Fluctuations. <i>Australian Journal of Physics</i> , 1970 , 23, 871		64
11	On the Theory of Type II and Type III Solar Radio Bursts. II. Alternative Model. <i>Australian Journal of Physics</i> , 1970 , 23, 885		32
10	Interaction Between Cosmic-Ray Electrons and Cosmic-Ray Protons. <i>Astrophysical Journal</i> , 1970 , 161, 457	4.7	11
9	On the formation of energy spectra in synchrotron sources. <i>Astrophysics and Space Science</i> , 1969 , 5, 131-149		18
8	Resonant interaction of hydromagnetic waves with charged particles. <i>Astrophysics and Space Science</i> , 1969 , 4, 143-164	1.6	10
7	Acceleration of ultrarelativistic electrons in the Crab Nebula. <i>Astrophysics and Space Science</i> , 1969 , 4, 165-181	1.6	12
6	Preferential acceleration of heavy ions from thermal velocities. <i>Canadian Journal of Physics</i> , 1968 , 46, S638-S641	1.1	1

5	Neutron stars and cosmic-ray production. <i>Canadian Journal of Physics</i> , 1968 , 46, S472-S475	1.1	2
4	The emission and absorption of waves by charged particles in magnetized plasmas. <i>Astrophysics and Space Science</i> , 1968 , 2, 171-235	1.6	90
3	The Emissivity in the Magneto-Ionic Modes. <i>Astrophysical Journal</i> , 1968 , 154, 803	4.7	3
2	Rotational effects on the distribution of thermal plasma in the magnetosphere of jupiter. <i>Planetary and Space Science</i> , 1967 , 15, 381-393	2	79
1	Reduction of feynman diagrams 1965 , 40, 181-213		122