Martin J Rees

List of Publications by Year in Descending Order

108 papers	14,648 citations	49 h-index	112 g-index
112 ext. papers	15,510 ext. citations	10.4 avg, IF	6.46 L-index

#	Paper	IF	Citations
108	Titans of the early Universe: The Prato statement on the origin of the first supermassive black holes. *Publications of the Astronomical Society of Australia*, **2019**, 36,	5.5	49
107	Evolution and Emergence: An Introductory Perspective. *European Review*, **2010**, 18, 279-286	0.3	1
106	Perspectives on our cosmic habitat. *Proceedings of the International Astronomical Union*, **2009**, 5, 16-21	0.1	
105	Implications of very rapid TeV variability in blazars. *Monthly Notices of the Royal Astronomical Society: Letters*, **2008**, 384, L19-L23	4.3	191
104	Gamma-ray bursts prompt emission spectrum: an analysis of a photosphere model. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2007**, 365, 1171-5	3	4
103	Dimensionless constants, cosmology, and other dark matters. *Physical Review D*, **2006**, 73,	4.9	233
102	The Observable Effects of a Photospheric Component on GRB and XRF Prompt Emission Spectrum. *Astrophysical Journal*, **2006**, 642, 995-1003	4.7	222
101	Quasars atz = 6: The Survival of the Fittest. *Astrophysical Journal*, **2006**, 650, 669-678	4.7	158
100	Massive black holes: formation and evolution. *Proceedings of the International Astronomical Union*, **2006**, 2, 51-58	0.1	5
99	Explosion of very massive stars and the origin of intermediate mass black holes. *Proceedings of the International Astronomical Union*, **2006**, 2, 241-246	0.1	
98	Core-Collapse Very Massive Stars: Evolution, Explosion, and Nucleosynthesis of Population III 500−1000M⊙Stars. *Astrophysical Journal*, **2006**, 645, 1352-1372	4.7	66
97	Radiation from an Expanding Cocoon as an Explanation of the Steep Decay Observed in GRB Early Afterglow Light Curves. *Astrophysical Journal*, **2006**, 652, 482-489	4.7	59
96	Formation of supermassive black holes by direct collapse in pre-galactic haloes. *Monthly Notices of the Royal Astronomical Society*, **2006**, 370, 289-298	4.3	517
95	Rapid Growth of High-Redshift Black Holes. *Astrophysical Journal*, **2005**, 633, 624-629	4.7	250
94	Peak Energy Clustering and Efficiency in Compact Objects. *Astrophysical Journal*, **2005**, 635, 476-480	4.7	86
93	Cyclotron Maser Emission from Blazar Jets?. *Astrophysical Journal*, **2005**, 625, 51-59	4.7	36
92	The Distribution and Cosmic Evolution of Massive Black Hole Spins. *Astrophysical Journal*, **2005**, 620, 69-77	4.7	249

91	Cosmology. Anthropic reasoning. *Science*, **2005**, 309, 1022-3	33.3	21
90	Compton drag as a mechanism for very high linear polarization in gamma-ray bursts. *Monthly Notices of the Royal Astronomical Society*, **2004**, 347, L1-L5	4.3	73
89	Have we detected one of the sources responsible for an early reionization of the Universe?. *Monthly Notices of the Royal Astronomical Society*, **2004**, 352, L21-L26	4.3	16
88	Photoionization Feedback in Low-Mass Galaxies at High Redshift. *Astrophysical Journal*, **2004**, 601, 666-675	4.7	214
87	Introduction. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2003**, 361, 2427-34	3	9
86	Numerical Coincidences and Tuning in Cosmology **2003**, 95-108		3
85	Feeding black holes at galactic centres by capture from isothermal cusps. *New Astronomy*, **2002**, 7, 385-394	1.8	64
84	Events in the life of a cocoon surrounding a light, collapsar jet. *Monthly Notices of the Royal Astronomical Society*, **2002**, 337, 1349-1356	4.3	191
83	Cosmology. How the cosmic dark age ended. *Science*, **2002**, 295, 51-3	33.3	1
82	Radio Foregrounds for the 21 Centimeter Tomography of the Neutral Intergalactic Medium at High Redshifts. *Astrophysical Journal*, **2002**, 564, 576-580	4.7	171
81	HeiiRecombination Lines from the First Luminous Objects. *Astrophysical Journal*, **2001**, 553, 73-77	4.7	57
80	Quiescent times in gamma-ray bursts - II. Dormant periods in the central engine?. *Monthly Notices of the Royal Astronomical Society*, **2001**, 324, 1147-1158	4.3	58
79	Massive Black Holes as Population III Remnants. *Astrophysical Journal*, **2001**, 551, L27-L30	4.7	617
78	Early Metal Enrichment of the Intergalactic Medium by Pregalactic Outflows. *Astrophysical Journal*, **2001**, 555, 92-105	4.7	268
77	Extended Ly Emission around Young Quasars: A Constraint on Galaxy Formation. *Astrophysical Journal*, **2001**, 556, 87-92	4.7	114
76	Reionization of the Inhomogeneous Universe. *Astrophysical Journal*, **2000**, 530, 1-16	4.7	410
75	Radio Signatures of Hiat High Redshift: Mapping the End of the Dark Ages *Astrophysical Journal*, **2000**, 528, 597-606	4.7	197
74	Compton Echoes from Gamma-Ray Bursts. *Astrophysical Journal*, **2000**, 541, 712-719	4.7	18

73	The Radiative Feedback of the First Cosmological Objects. *Astrophysical Journal*, **2000**, 534, 11-24	4.7	283
72	First light in the universe: what ended the dark age? *Physics Reports*, **2000**, 333-334, 203-214	27.7	5
71	A review of gamma ray bursts. *Nuclear Physics A*, **2000**, 663-664, 42c-55c	1.3	3
70	Gamma-ray bursts. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2000**, 358, 853-867	3	
69	The first light. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2000**, 358, 1989-1999	3	
68	Compton-dragged Gamma-Ray Bursts Associated with Supernovae. *Astrophysical Journal*, **2000**, 529, L17-L20	4.7	52
67	The Earliest Luminous Sources and the Damping Wing of the Gunn-Peterson Trough. *Astrophysical Journal*, **2000**, 542, L69-L73	4.7	102
66	The end of the dark age. **1999**,		10
65	The large-scale smoothness of the Universe. *Nature*, **1999**, 397, 225-230	50.4	117
64	Radiative Transfer in a Clumpy Universe. III. The Nature of Cosmological Ionizing Sources. *Astrophysical Journal*, **1999**, 514, 648-659	4.7	564
63	High-redshift galaxies, their active nuclei and central black holes. *Monthly Notices of the Royal Astronomical Society*, **1998**, 300, 817-827	4.3	154
62	Searching for the Earliest Galaxies Using the Gunn-Peterson Trough and the Ly Emission Line. *Astrophysical Journal*, **1998**, 497, 21-27	4.7	79
61	Why Is the Cosmic Microwave Background Fluctuation Level 10 ?. *Astrophysical Journal*, **1998**, 499, 526-532	4.7	115
60	Stars and Stellar Systems at z > 5: Implications for Structure Formation and Nucleosynthesis. *Space Sciences Series of ISSI*, **1998**, 43-53	0.1	
59	How Small Were the First Cosmological Objects?. *Astrophysical Journal*, **1997**, 474, 1-12	4.7	614
58	21 Centimeter Tomography of the Intergalactic Medium at High Redshift. *Astrophysical Journal*, **1997**, 475, 429-444	4.7	521
57	High-Redshift Supernovae and the Metal-Poor Halo Stars: Signatures of the First Generation of Galaxies. *Astrophysical Journal*, **1997**, 478, L57-L61	4.7	80
56	Anthropic reasoning. *Complexity*, **1997**, 3, 17-21	1.6	3

55	Destruction of Molecular Hydrogen during Cosmological Reionization. *Astrophysical Journal*, **1997**, 476, 458-463	4.7	286
54	H 2 Cooling of Primordial Gas Triggered by UV Irradiation. *Astrophysical Journal*, **1996**, 467, 522	4.7	118
53	Gamma-ray bursts and the structure of the Galactic halo. *Monthly Notices of the Royal Astronomical Society*, **1995**, 273, 755-771	4.3	28
52	Gamma-ray bursts and the structure of the Galactic halo. *Annals of the New York Academy of Sciences*, **1995**, 759, 283-286	6.5	
51	Agns: Demography and Remnants. *Highlights of Astronomy*, **1995**, 10, 559-563		
50	AGNs: Demography and Remnants **1995**, 559-563		1
49	Models for Variability in AGNs. *Symposium - International Astronomical Union*, **1994**, 159, 239-248		1
48	Models for Variability in AGNs **1994**, 239-248		1
47	Comptonization of diffuse ambient radiation by a relativistic jet: The source of gamma rays from blazars?. *Astrophysical Journal*, **1994**, 421, 153	4.7	865
46	Energetic and radiative constraints on highly relativistic jets. *Astrophysical Journal*, **1994**, 429, L57	4.7	72
45	Observable Effects of Tidally-Disrupted Stars **1994**, 453-459		1
44	Dynamical effects of the cosmological constant. *Monthly Notices of the Royal Astronomical Society*, **1991**, 251, 128-136	4.3	528
43	Are There Massive Black Holes in Galactic Nuclei? **1990**, 179-194		
42	Black Holes, Galactic Evolution and Cosmic Coincidence. *Interdisciplinary Science Reviews*, **1989**, 14, 148-161	0.7	1
41	Tidal disruption of stars by black holes of 10□108 solar masses in nearby galaxies. *Nature*, **1988**, 333, 523-528	50.4	927
40	Quasars as probes of gas in extended protogalaxies. *Monthly Notices of the Royal Astronomical Society*, **1988**, 231, 91P-95P	4.3	23
39	Biased Galaxy Formation and Dark Matter. *Symposium - International Astronomical Union*, **1988**, 130, 437-446		
38	The Origin of Globular Clusters. *Symposium - International Astronomical Union*, **1988**, 126, 323-332		

37	Biased Galaxy Formation and Dark Matter **1988**, 437-446		2
36	The Origin of Globular Clusters **1988**, 323-330		8
35	Possible Constituents of Halos. *Symposium - International Astronomical Union*, **1987**, 117, 395-409		
34	Physical mechanisms for biased galaxy formation. *Nature*, **1987**, 326, 455-462	50.4	127
33	Black Holes in our Galaxy **1987**, 279-296		1
32	Biasing and Suppression of Galaxy Formation **1987**, 255-262		
31	Possible Constituents of Halos **1987**, 395-409		
30	Introductory Lecture. *Symposium - International Astronomical Union*, **1986**, 119, 1-13		3
29	Some Theoretical Aspects of AGNs. *Astrophysics and Space Science Library*, **1986**, 447-457	0.3	1
28	Phenomena at the Galactic Centre □A Massive Black Hole? **1985**, 379-384		4
27	Physics of Relativistic Jets on Sub-Milliarcsecond Scales. *Symposium - International Astronomical Union*, **1984**, 110, 207-214		
26	Is the Universe flat?. *Journal of Astrophysics and Astronomy*, **1984**, 5, 331-348	1.4	3
25	Formation of galaxies and large-scale structure with cold dark matter. *Nature*, **1984**, 311, 517-525	50.4	1083
24	Black Hole Models for Active Galactic Nuclei. *Annual Review of Astronomy and Astrophysics*, **1984**, 22, 471-506	31.7	976
23	Theory of extragalactic radio sources. *Reviews of Modern Physics*, **1984**, 56, 255-351	40.5	1281
22	Physics of Relativistic Jets on Sub-Milliarcsecond Scales **1984**, 207-214		3
21	Unseen Mass. *Symposium - International Astronomical Union*, **1983**, 104, 299-305		
20	Mechanisms for Jets. *Symposium - International Astronomical Union*, **1982**, 97, 211-222		1

19	Mechanisms for Jets **1982**, 211-222		10
18	Mechanisms for Jets **1982**, 211-222		3
17	Nuclei of Galaxies: The Origin of Plasma Beams. *Symposium - International Astronomical Union*, **1981**, 94, 139-164		3
16	Physical processes for X-ray emission in galactic nuclei. *Space Science Reviews*, **1981**, 30, 87-99	7.5	8
15	Nuclei of Galaxies: The Origin of Plasma Beams **1981**, 139-164		11
14	Physical Processes for X-Ray Emission in Galactic Nuclei **1981**, 87-99		1
13	The Inhomogeneity and Entropy of the Universe: Some Puzzles. *Physica Scripta*, **1980**, 21, 614-618	2.6	13
12	The X-Ray Background: Origin and Implications **1980**, 207-225		3
11	A twin-jet model for radio trails. *Nature*, **1979**, 279, 770-773	50.4	94
10	Origin of pregalactic microwave background. *Nature*, **1978**, 275, 35-37	50.4	87
9	Relativistic jets and beams in radio galaxies. *Nature*, **1978**, 275, 516-517	50.4	127
8	Extended and Compact Extragalactic Radio Sources: Interpretation and Theory. *Physica Scripta*, **1978**, 17, 265-274	2.6	99
7	Accretion and the Quasar Phenomenon. *Physica Scripta*, **1978**, 17, 193-200	2.6	86
6	Dissipative Processes, Galaxy Formation and "Early" Star Formation. *Physica Scripta*, **1978**, 17, 371-376	2.6	5
5	QUASAR THEORIES. *Annals of the New York Academy of Sciences*, **1977**, 302, 613-635	6.5	33
4	Effects of Massive Central Black Holes on Dense Stellar Systems. *Monthly Notices of the Royal Astronomical Society*, **1976**, 176, 633-647	4.3	358
3	Cosmological Implications of the Diffuse X-Ray Background. *Nature*, **1969**, 221, 924-926	50.4	29
2	Cosmology and the multiverse57-76		2