

1,000 Most Cited Physicists, 1981-June 1997

Out of over 500,000 Examined

(see <http://www.sst.nrel.gov>)

Because of practices of “split publications,” “gift publications,” and publications in unrefereed journals / conference proceedings, the raw “total number of publications” of a scientist does not always reflect scientific quality and scientific impact. The number of citations per paper, or the total number of citations per author tend to better measure the scientific impact of one’s research. Since many published papers tend to be cited for a limited period only, the “enduring scientific impact” is measured by the number of citations over an extended time period, e.g. >10 years. The number of citations of a given author over an extended period reflects both the size of the field and the enduring impact made by the author in this field.

The Research Department of the “Institute for Scientific Information” (ISI), the publisher of *Current Contents*® has compiled a list of the ~1,000 Most Cited Physicists. The list is based on papers published between 1981 and June 1997, in all physics journals covered by *Current Contents in Physical, Chemical and Earth Sciences*, and include the following physics disciplines: High-energy and nuclear physics; condensed-matter; applied physics; astronomy astrophysics; plasma physics; chemical physics; material science; atmospheric sciences; earth sciences; optics and polymer science. The total number of unique author names that published at least one paper in physics in 1981 through June 1997 was **517,111**. Out of these, 14,435 physicists were cited 500 times or more, and only 135 physicists were cited 5,000 times or more.

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This information, as well as comparable information for chemists, can be found on the web page of the University of Lemans, France. The internet address for this information is as follows:
<http://pcb4122.univ-lemans.fr/1120physiciens.html>

One has to note the limitations of this list (comments by A. Zunger):

1. The position in the list does not reflect one’s I.Q. It is just one measure of scientific impact, excellence, etc.
2. The statistics for authors of the same unique name were lumped together. For example: author name “Suzuki, M” could include the statistics for three or four people of the same “Suzuki, M” name. Thus, the citation number for commonly occurring names may be overestimated because of multiple authors with the same name. Of the top 50 listed, we found that this may be the case for P.A. Lee, T. Suzuki, M. Suzuki, S. Tanaka, S. Uchida, K. Tanaka, K. Takahashi, Y. Tanaka and T. Kobayashi.
3. Papers that are “household names” (e.g., Weinberg-Salaam) are often not cited explicitly, thus are not included in these statistics. There are very few of those.
4. The “time slice” of 15 years (1981-1997) emphasizes “older scientists,” e.g. over 40.
5. “Self-citation” can add up, but has negligible effect on the top rated scientists that have many more citations than publications.

For the top 50 cited physicists we also include affiliation (U = University, I = Industry, NL = National Laboratory), country, and field of research (T = Theory, E = Experimental).

Author name	Institute	Country	Field	avg. cites	total art.	total cites	rank by total cit.	
Witten	E	Princeton (U)	USA, NJ	High-energy (T)	168	138	23235	1
Gossard	AC	UCSB (U)	USA, CA	Semiconductors (E)	41	419	16994	2
Cava	RJ	Bell Labs (I)	USA, NJ	Superconductors (E)	65	223	14405	3
Batlogg	B	Bell Labs (I)	USA, NJ	Superconductors (E)	83	170	14164	4
Ploog	K	Max-Planck (NL)	Germany	Semiconductors (E)	19	712	13491	5
Ellis	J	Euro Nuclear Cent.	Switzerland	Astrophysics (E)	40	305	12255	6
Fisk	Z	Florida State (U)	USA, FL	Solid State (E)	23	520	12030	7
Cardona	M	Max Planck (NL)	Germany	Semiconductors (E)	20	571	11465	8
Nanopoulos	DV	Texas A&M (U)	USA, TX	High-energy (E)	39	293	11314	9
Heeger	AJ	UCSB (U)	USA, CA	Polymers (E)	34	320	10872	10
Lee*	PA				73	146	10642	11
Suzuki*	T				7.6	1401	10617	12
Anderson	PW	Princeton (U)	USA, NJ	Solid State (T)	80	138	10439	13
Suzuki*	M				12	898	10417	14
Freeman	AJ	Northwestern (U)	USA, IL	Solid State (T)	27	389	10411	15
Tanaka*	S				11	963	10404	16
Muller	KA	Zurich Univ. (U)	Switzerland	Superconductivity (E)	82	122	10049	17
Schneemeyer	LF	Bell Labs (I)	USA, NJ	Superconductivity (E)	63	156	9768	18
Chemla	DS	USB (U/NL)	USA, CA	Optics (E)	60	162	9668	19
Morkoc	H	U. of IL (U)	USA, IL	Semiconductors (E)	20	477	9668	19
Miller	DAB	Stanford (U)	USA, CA	Semiconductors (E)	67	144	9652	21
Chu	CW	Houston Univ. (U)	USA, TX	Superconductivity (E)	44	213	9453	22
Bednorz	JG	IBM (I)	Switzerland	Superconductivity (E)	110	85	9311	23
Cohen	ML	UCB/LBL (U/NL)	USA, CA	Solid State (T)	33	284	9311	23
Meng	RL	Houston Univ. (U)	USA, TX	Superconductivity (E)	86	108	9300	25
Waszczak	JV	AT&T (I)	USA, NJ	Superconductivity (E)	57	162	9170	26
Shirane	G	Brookhaven (NL)	USA, NY	Superconductivity (E)	33	269	8841	27
Wiegmann	W	Bell Labs (I)	USA, NJ	Semiconductors (E)	85	104	8822	28
Vandover	RB	Bell Labs (I)	USA, NJ	Magnetism (E)	67	129	8686	29
Uchida*	S				28	301	8520	30
Hor	PH	Houston Univ. (U)	USA, TX	Superconductivity (E)	72	119	8512	31
Murphy	DW			Astronomy (E)	111	76	8439	32
Birgeneau	RJ	MIT (U)	USA, MA	Superconductivity (E)	41	286	8375	33
Jorgensen	JD	Argonne (NL)	USA, IL	Superconductivity (E)	50	167	8298	34
Hinks	DG	Argonne (NL)	USA, IL	Superconductivity (E)	37	223	8263	35

* citation total may be skewed because of multiple authors with the same name

Author name		Institute	Country	Field	avg. cites	total art.	total cites	rank by total cit.
Yariv	A	Caltech (U)	USA, CA	Optics (E)	18	451	8089	36
Gao	L	Kyoto (U)	Japan	Solid State (T)	120	67	8048	37
Tanaka*	K				7.9	1019	8045	38
Zunger	A	NREL (NL)	USA, CO	Solid State (T)	35	228	7989	39
Wise	MB	Caltech	USA, CA	High-energy (T)	57	138	7927	40
Huang	ZJ	Houston Univ. (U)	USA, TX	Superconductivity (E)	141	56	7888	41
Evans	AG	Harvard (U)	USA, MA	Material Science (E)	28	279	7867	42
Takahashi*	K				12	637	7675	43
Lindau	I	Lund Univ. (U)	Sweden	Solid State (E)	24	307	7510	44
Tarascon	JM	J. Verne Univ. (U)	France	Batteries (E)	45	165	7468	45
Tanaka*	Y				14	534	7435	46
Takagi	H	Tokyo (U)	Japan	Superconductivity (E)	36	202	7334	47
Procaccia	I	Weizmann Ins. (U)	Israel	Chem. Phys. (T)	65	113	7305	48
Spicer	WE	Stanford (U)	USA, CA	Solid State (E)	24	304	7292	49
Kobayashi*	T				8.6	845	7282	50

* citation total may be skewed because of multiple authors with the same name

Author name		average cites	total articles	total cites	rank by total citations
Weaver	JH	23	315	7277	51
Parisi	G	34	215	7257	52
Wilczek	F	57	128	7232	53
Himpfel	FJ	40	182	7199	54
Schmittrink	S	66	108	7155	55
Wang	YQ	76	94	7154	56
Binder	K	37	195	7146	57
Gross	DJ	130	54	7002	58
Perdew	JP	97	72	6953	59
Buschow	KHJ	12	581	6939	60
Tokura	Y	28	245	6926	61
Maple	MB	18	375	6922	62
Efstathiou	G	75	92	6922	62
Greiner	W	15	458	6789	64
Parkin	SSP	42	161	6763	65
Venkatesan	T	24	284	6736	66
Ott	E	36	188	6705	67
Davis	M	71	95	6699	68
Neugebauer	G	40	166	6693	69
Rice	TM	40	165	6668	70
Tsui	DC	36	184	6638	71
Sato	M	11	607	6606	72
Scalapino	DJ	34	192	6586	73
Smith	JL	22	292	6558	74
Fabian	AC	25	258	6549	75
Crabtree	GW	29	224	6547	76
Fleming	RM	53	123	6506	77
Tsang	WT	28	229	6468	78
Meakin	P	32	201	6397	79
Kastner	MA	52	122	6385	80
Pearton	SJ	15	425	6366	81
Murakami	T	22	290	6327	82
Sawatzky	GA	44	142	6318	83
Holtzberg	F	40	156	6285	84
Cho	AY	23	277	6262	85
Halperin	BI	69	90	6248	86
Masumoto	T	10	593	6215	87

Author name		average cites	total articles	total cites	rank by total citations
Tersoff	J	69	90	6211	88
Foxon	CT	23	268	6201	89
Geballe	TH	28	222	6191	90
Bastard	G	58	107	6173	91
Schuller	IK	30	203	6044	92
Nelson	DR	62	96	5988	93
Ando	T	22	271	5976	94
Quate	CF	69	86	5926	95
Bahcall	JN	36	163	5923	96
Stanley	HE	23	262	5898	97
Huse	DA	53	110	5826	98
Bak	P	65	89	5813	99
Tanaka	M	8.1	722	5813	99
Binnig	G	157	37	5811	101
Hamann	DR	76	76	5790	102
Yoshino	K	11	529	5785	103
Gerber	C	152	38	5772	104
Seiberg	N	62	93	5771	105
Suzuki	K	7.3	791	5769	106
Nakamura	K	9.1	635	5763	107
Soifer	BT	43	134	5756	108
Macdiarmid	AG	33	171	5703	109
Chang	YC	24	235	5677	110
Rietman	EA	118	48	5672	111
Siegrist	T	65	87	5668	112
Kapitulnik	A	31	182	5642	113
Marezio	M	41	137	5621	114
Turner	MS	32	171	5547	115
Jackiw	R	67	82	5509	116
Yamamoto	Y	14	385	5478	117
Siegeman	GI	17	325	5436	118
Sluter	M	69	79	5419	119
Burstein	D	76	71	5398	120
Fisher	MPA	82	66	5385	121
Harvey	JA	56	96	5349	122
Stormer	HL	55	98	5341	123
Zamolodchikov	AB	101	53	5332	124

Author name		average cites	total articles	total cites	rank by total citations
Ott	HR	19	270	5263	125
Walls	DF	30	174	5239	126
Aspnes	DE	39	135	5227	127
Wu	XD	29	182	5201	128
Strominger	A	56	93	5188	129
Affleck	I	49	104	5134	130
Harbison	JP	26	195	5115	131
Louie	SG	35	146	5095	132
Aharony	A	28	178	5071	133
Sato	K	7.7	655	5036	134
Stocker	H	27	183	4975	135
Sato	T	6.7	736	4929	136
Haddon	RC	72	68	4907	137
Margaritondo	G	15	336	4889	138
Palstra	TTM	75	65	4882	139
Damen	TC	78	69	4851	140
Vilenkin	A	50	96	4831	141
Greene	RL	29	165	4806	142
Rees	MJ	37	131	4782	143
Veal	BW	45	187	4777	144
Young	AP	49	97	4768	145
Wu	MK	47	101	4748	146
Epstein	AJ	28	231	4715	147
Martin	RM	44	107	4706	148
Varma	CM	49	95	4682	149
Street	RA	33	140	4672	150
Ginsberg	DM	32	146	4659	151
Yamada	X	11	436	4654	152
Ramirez	AP	52	89	4652	153
Lambert	DL	25	182	4625	154
Malozemoff	AP	58	79	4619	155
Johnston	DC	33	141	4596	156
Grest	GS	31	147	4581	157
Zahurak	SM	148	31	4575	158
Car	R	49	93	4559	159
Beasley	MR	28	165	4556	160
Kobayashi	N	11	428	4537	161

Author name		average cites	total articles	total cites	rank by total citations
Brown	GE	27	165	4521	162
Yamamoto	K	8.4	535	4510	163
Inoue	K	11	421	4504	164
Ross	GG	34	133	4492	165
Sander	LM	68	66	4457	166
Burrus	CA	28	156	4429	167
Woodall	JM	24	187	4428	168
Fisher	DS	70	81	5631	169
Takahashi	T	8.9	626	5584	170
Steinhardt	PJ	73	76	5536	171
Suzuki	Y	9.8	562	5485	172
Raveau	B	16	345	5460	173
Huchra	JP	43	127	5434	174
Russell	CT	21	264	5413	175
Thompson	JD	21	251	5392	176
Hirsch	JE	42	128	5375	177
Isgur	N	77	69	5345	178
Cunningham	JE	29	186	5333	179
Polyakov	AM	205	26	5329	180
Haldane	FDM	85	62	5243	181
Maeda	H	17	310	5236	182
Vafa	C	60	86	5202	183
Gruner	G	25	207	5190	184
Grassberger	P	48	109	5186	185
Weimann	G	18	289	5116	186
Krajewski	JJ	52	98	5104	187
Aguilarbenitez	M	41	125	5077	188
Sandage	A	48	106	5042	189
Friend	RH	22	232	5009	190
Nakamura	Y	8.1	611	4951	191
Martinec	E	182	27	4914	192
Saito	S	13	365	4900	193
Buttiker	M	66	74	4886	194
Inoue	A	9.9	491	4858	195
Astbury	A	41	117	4850	196
Dassarma	S	21	227	4815	197
White	SDM	51	94	4800	198

Author name		average cites	total articles	total cites	rank by total citations
Faessler	A	13	363	4781	199
Yamamoto	H	12	399	4768	200
Rohrer	H	140	34	4758	201
Olive	KA	30	156	4717	202
Greene	LH	70	67	4706	203
Chang	CC	25	188	4689	204
Bean	JC	38	124	4672	205
Hwang	DM	35	134	4661	206
Parrinello	M	52	89	4657	207
Dine	M	63	74	4653	208
Gupta	A	17	275	4642	209
Shah	J	32	144	4625	210
Zhang	K	41	112	4613	211
Leutwyler	H	79	58	4584	212
Rupp	LW	78	59	4580	213
Gunnarsson	O	39	116	4568	214
Ostriker	JP	42	108	4557	215
Ferrara	S	35	130	4544	216
Liu	JZ	23	196	4522	217
Yorke	JA	50	90	4518	218
Faber	SM	56	80	4509	219
Kortan	AR	63	71	4492	220
Knight	PL	28	160	4481	221
Goto	T	5.9	749	4449	222
Derrida	B	34	132	4428	223
Logan	RA	20	224	4422	224
Cheong	SW	23	189	4410	225
Macdonald	AH	24	183	4392	226
Shen	YR	29	150	4391	227
Schwarz	JH	80	55	4388	228
Nakamura	T	6.7	656	4386	229
Saito	Y	8	550	4384	230
Vonklitzing	K	18	241	4381	231
Endoh	Y	20	217	4379	232
Kaiser	N	32	136	4378	233
Kobayashi	M	8	547	4375	234
Amidei	D	24	181	4372	235

Author name		average cites	total articles	total cites	rank by total citations
West	KW	29	152	4362	236
Nazarewicz	W	25	177	4358	237
Hull	GW	64	68	4349	238
Bishop	AR	14	305	4333	239
Bauer	G	20	219	4326	240
Leggett	AJ	82	53	4323	241
Steglich	F	17	247	4319	242
Grebogi	C	36	120	4317	243
Tanaka	H	7.9	548	4314	244
Barger	V	22	198	4310	245
Johnson	WL	30	142	4309	246
Fukuyama	H	18	233	4307	247
Aeppli	G	34	127	4303	248
Sakaki	H	25	173	4302	249
Torng	CJ	1434	3	4301	250
Ashburn	JR	614	7	4295	251
Gunn	JE	49	88	4289	252
Zettl	A	24	182	4284	253
Bishop	DJ	44	98	4276	254
Peck	NF	4646	92	4274	255
Kitazawa	K	22	190	4269	256
Scully	MO	21	201	4267	257
Maeder	A	61	70	4264	258
Franse	JJM	12	361	4263	259
Inam	A	42	102	4250	260
Mayer	JW	19	221	4248	261
Tromp	RM	42	100	4247	262
Georgi	H	42	102	4245	263
Paulikas	AP	63	67	4237	264
Pickett	WE	29	146	4225	265
Mendez	EE	45	93	4222	266
Gasser	J	150	28	4213	267
Holonyak	N	19	221	4212	268
Eberly	JH	28	148	4207	269
Sato	H	6.7	627	4195	270
Sato	N	14	299	4191	271
Beenakker	CWJ	40	105	4178	272

Author name		average cites	total articles	total cites	rank by total citations
Fert	A	29	146	4172	273
Sinha	SK	26	159	4171	274
Friedan	D	174	24	4169	275
Alexander	S	90	46	4156	276
Shimizu	T	10	409	4140	277
Joannopoulos	JD	28	146	4138	278
Pfeiffer	LN	22..58	183	4133	279
Kadanoff	LP	60	69	4120	280
Gelbke	CK	25	164	4118	281
Rowanrobinson	M	40	104	4117	282
Adachi	S	15	270	4108	283
Kronmuller	H	11	367	4105	284
Shank	CV	61	67	4104	285
Takahashi	M	8.9	459	4097	286
Kwok	WK	39	105	4095	287
Dresselhaus	MS	18	222	4088	288
Wang	Y	8.9	456	4077	289
Vinokur	VM	38	106	4075	290
Chadi	DJ	49	83	4072	291
Allen	JW	31	130	4068	292
Chakravarty	S	42	97	4064	293
Yamada	M	11	357	4064	293
Bertsch	GF	35	115	4061	295
Hebard	AF	48	84	4056	296
Kobayashi	K	7.9	513	4052	297
Chen	HS	20	201	4033	298
Bock	R	34.67	116	4022	299
Saito	G	13	300	4022	299
Orbach	R	46	88	4017	301
Rossatmignod	J	19	210	4014	302
Mckinnon	WR	43	93	4013	303
Schultz	L	25	159	4013	303
Schramm	DN	30	132	4010	305
Krakauer	H	40	100	4007	306
Petroff	PM	31	130	4002	307
Sjostrand	T	91	44	3995	308
Coey	JMD	17	236	3987	309

Author name		average cites	total articles	total cites	rank by total citations
Espinosa	GP	57	70	3975	310
Sanders	DB	48	82	3971	311
Scoville	NZ	45	88	3971	311
Hawking	SW	72	55	3969	313
Marshall	DB	47	84	3968	314
Yamada	Y	8.4	472	3961	315
Yamaguchi	M	8.1	487	3960	316
Liedert	J	26	151	3958	317
Silk	J	20	198	3956	318
Kivelson	S	58	68	3953	319
Walther	H	25	156	3951	320
Fischer	JE	24	161	3940	321
Langacker	P	62	64	3939	322
Bacci	C	45	87	3932	323
Nicolet	MA	16	243	3932	323
Murakami	M	13	295	3925	325
Fork	RL	66	59	3916	326
Sen	A	19	202	3913	327
Nakamura	S	11	344	3910	328
Asano	T	28	138	3909	329
Dagotto	E	27	144	3909	329
Haus	HA	21	184	3908	331
Cox	DE	45	87	3906	332
Clem	JR	39	99	3900	333
Hansma	PK	51	76	3895	334
Okamoto	H	10	381	3892	335
Bhat	R	23	167	3888	336
Chen	CH	18	219	3883	337
Subramanian	MA	38	182	3880	338
Lynch	WG	26	158	3879	339
Fisher	ME	33	118	3867	340
Stone	AD	80	48	3863	341
Geller	MJ	42	92	3862	342
Demuth	JE	63	61	3860	343
Sakurai	T	10	378	3858	344
Barbieri	R	39	98	3847	345
Koch	SW	18	214	3843	346

Author name		average cites	total articles	total cites	rank by total citations
Chaudhari	P	58	66	3840	347
Itoh	K	8.2	464	3825	348
Tseytlin	AA	33	116	3821	349
Linde	AD	85	45	3813	350
Bezaguët	A	68	56	3810	351
Imry	Y	45	84	3810	351
Martinelli	G	27	141	3808	353
Koch	RH	30	127	3806	354
Aubert	B	72	53	3804	355
Mushotzky	RF	34	112	3803	356
Fink	J	27	140	3783	357
Jerome	D	17	224	3773	358
Pepper	M	15	251	3767	359
Mohapatra	RN	22	173	3765	360
Swinney	HL	49	77	3763	361
Witten	TA	75	50	3761	362
Jackson	WB	40	94	3756	363
Watanabe	K	7	536	3755	364
Christensen	NE	22	169	3754	365
Iben	I	47	79	3750	366
Stern	F	139	27	3748	367
Matthews	K	30	124	3747	368
Otsuka	N	24	155	3744	369
Tholence	JL	20	189	3735	370
Green	MD	69	54	3733	371
Roy	R	12	313	3731	372
Nilles	HP	69	54	3730	373
Laughlin	RB	81	46	3726	374
Watanabe	T	6	618	3722	375
Bame	SJ	30	125	3719	376
Frenk	CS	61	61	3717	377
Dressler	A	55	68	3715	378
Fuggle	JC	40	92	3712	379
Kennicutt	RC	39	95	3702	380
Havlin	S	17	212	3694	381
Bradley	DDC	46	80	3684	382
Gallagher	HJ	35	105	3680	383

Author name		average cites	total articles	total cites	rank by total citations
Flouquet	J	18	210	3677	384
Suzuki	S	8.1	452	3675	385
Chen	Y	7.4	496	3674	386
Sargent	WLW	39	94	3663	387
Fernandez	E	23	157	3660	388
Schmidt	M	21	174	3657	389
Frohlich	J	26	140	3652	390
Yeshurun	Y	32	115	3650	391
Jin	S	23	157	3636	392
Ibanez	LE	57	64	3636	392
Inoue	H	15	248	3635	394
Hopfield	JJ	404	9	3632	395
Alvarezgaume	L	70	52	3627	396
Agarwal	GS	1263	2817	3626	397
Chabal	YJ	53	68	3623	398
Remeika	JP	52	70	3618	399
Porter	FC	190	19	3615	400
Jimbo	M	44	83	3612	401
Guntherodt	HJ	11	322	3611	402
Inoue	M	7.4	490	3610	403
Bechgaard	K	21	171	3609	404
Laidonitz	RB	52	69	3602	405
Suderholm	L	48	75	3588	406
Fischer	R	21	174	3583	407
Fujita	T	10	352	3578	408
Amaldi	U	22	163	3575	409
Zee	A	40	89	3575	409
Michel	C	20	179	3571	411
Stewart	GR	21	169	3569	412
Koyama	K	12	287	3568	413
Wen	XG	41	87	3566	414
Brandt	EH	31	116	3556	415
Sleight	AW	53	67	3554	416
Heiles	C	58	61	3552	417
Lada	CJ	51	69	3548	418
Hidaka	Y	25	140	3536	419
Andersen	OK	33	108	3533	420

Author name		average cites	total articles	total cites	rank by total citations
Abe	F	22	164	3532	421
Fujimori	A	21	166	3532	421
Stirling	WJ	25	139	3526	423
Miller	RC	60	59	3525	424
Ellis	RS	36	98	3525	424
Vantendeloo	G	15	238	3521	426
Capasso	F	24	147	3513	427
Thaddeus	P	39	91	3513	427
Furdyna	JK	16	217	3505	429
Suzuki	A	15	234	3498	430
Mattheiss	LF	59	59	3498	430
Sompolinsky	H	56	62	3489	432
Haber	HE	49	71	3479	433
Tielens	AGGM	34	101	3476	434
Linsky	JL	30	117	3469	435
Tang	C	85	41	3468	436
Brewer	JH	20	177	3463	437
Kardar	M	32	107	3463	437
Hervieu	M	17	198	3463	437
Temkin	H	17	199	3463	437
Cardy	JL	5091	68	3462	441
Schroder	H	19	188	3459	442
Kes	PH	28	124	3456	443
Woosley	SE	46	75	3451	444
Chen	J	8.3	415	3442	445
Suzuki	H	6.8	504	3442	445
Dresselhaus	G	22	159	3436	447
Legoues	FK	33	105	3434	448
Kasuya	T	11	309	3429	449
Hartmann	L	38	89	3420	450
Rosner	R	28	121	3419	451
Tsuei	CC	32	106	3415	452
Schirber	JE	22	153	3415	452
Martin	AD	24	144	3398	454
Kobayashi	N	7.5	451	3398	454
Schrieffer	JR	51	67	3389	456
Hagiwara	K	34	100	3389	456

Author name		average cites	total articles	total cites	rank by total citations
Steigman	G	51	67	3387	458
Genzel	R	32	107	3387	458
Ho	KM	22	156	3386	460
Kimura	T	9	376	3385	461
Cohen	M	20	172	3383	462
Fujii	H	8.4	405	3380	463
Welp	U	26	131	3376	464
Snell	RL	36	95	3375	465
Kawai	T	9.5	357	3375	465
Gosling	JT	25	136	3373	467
Beno	MA	62	54	3372	468
Chien	CL	21	157	3367	469
Dabrowski	B	29	118	3365	470
Mcgill	TC	17	203	3360	471
Poate	JM	28	118	3360	471
Wang	WI	21	157	3354	473
Hauser	MG	80	42	3351	474
Ong	NP	29	114	3346	475
Bennett	CL	40	83	3345	476
Badelek	B	47	71	3333	477
Hess	K	20	170	3333	477
Barboux	P	54	62	3319	479
Decamp	D	21	156	3318	480
Matsuoka	M	14	239	3317	481
Callan	CG	90	37	3314	482
Hanggi	P	27	123	3313	483
Donoghue	JF	30	111	3309	484
Harris	JJ	20	165	3302	485
Montanet	L	194	17	3298	486
Horowitz	GT	50	66	3297	487
Ippen	EP	27	121	3297	487
Gurnett	DA	23	145	3296	489
Tranquada	JM	41	81	3296	489
Brogliia	RA	20	166	3295	491
Gunshor	RL	21	157	3295	491
Coignet	O	78	42	3292	493
Turok	N	39	84	3290	494

Author name		average cites	total articles	total cites	rank by total citations
Ramesh	R	19	175	3290	494
Capponi	JJ	28	119	3287	496
Kato	M	8.4	393	3285	497
Byer	RL	22	151	3282	498
Singh	J	8.2	402	3280	499
Kounnas	C	42	79	3279	500
Pinczuk	A	34	96	3276	501
Wood	TH	76	43	3269	502
Clarke	J	21	153	3267	503
Lee	VY	67	49	3267	503
Emery	VJ	62	53	3267	503
Tu	KN	17	187	3267	503
Esaki	L	42	78	3263	507
Oda	M	26	126	3263	507
Jullien	R	24	133	3255	509
Nurmikko	AV	21	153	3255	509
Hamers	RJ	65	50	3251	511
Yamamoto	T	5.3	618	3250	512
Glarum	SH	171	19	3245	513
Roberts	RG	46	70	3245	513
Plummer	EW	29	111	3244	515
Grinstein	B	45	72	3240	516
Larkin	AI	33	98	3229	517
Zandbergen	HW	28	115	3228	518
Hasegawa	T	11	286	3224	519
Pines	D	40	81	3224	519
Abrahams	E	57	57	3223	521
Pandharipande	VR	38	85	3223	521
Torrance	JB	57	57	3222	523
Hybertsen	MS	54	60	3221	524
Richter	A	15	211	3219	525
Yamada	T	8	404	3216	526
Albrow	MG	26	126	3216	526
Ramakrishnan	TV	61	53	3215	528
Uchida	Y	20	162	3215	528
Combley	F	80	40	3215	528
Takahashi	Y	5.9	546	3215	528

Author name		average cites	total articles	total cites	rank by total citations
Feldman	LC	28	114	3212	532
Don	JD	16	197	3206	533
Kawai	H	27	117	3205	534
Auchincloss	P	27	117	3204	535
Polchinski	J	46	70	3202	536
Wegner	G	23	140	3198	537
Taylor	JH	46	70	3197	538
Rohm	R	246	13	3193	539
Boksenberg	A	30	105	3192	540
Itoh	N	13	240	3188	541
Arko	AJ	36	89	3187	542
Veneziano	G	35	90	3184	543
Gobel	EO	20	162	3182	544
Wiesenfeld	K	47	68	3181	545
Mandel	L	21	148	3180	546
Gefen	Y	29	109	3176	547
Shimizu	K	9.3	342	3171	548
Jepsen	O	31	103	3170	549
Li	Q	12	258	3167	550
Lucovsky	G	17	187	3166	551
White	NE	26	121	3164	552
Draine	BT	69	46	3163	553
Hardy	WN	24	134	3155	554
Albrecht	H	19	168	3155	554
Liu	R	33	97	3154	556
Bredas	JL	19	169	3153	557
Ishikana	M.	14	224	3153	557
Chang	LL	30	184	3150	559
Nomoto	K	27	116	3149	560
Crespo	JM	22	143	3148	561
Yamazaki	T	9.6	328	3148	561
Greene	JE	17	181	3147	563
Mori	T	8.5	368	3143	564
Vettier	C	19	167	3141	565
Savage	BD	31	101	3136	566
Lawn	BR	31	101	3136	566
Thomas	AW	21	152	3135	568

Author name		average cites	total articles	total cites	rank by total citations
Rammal	R	36	88	3134	569
Arnison	G	92	34	3132	570
Chaikin	PM	23	137	3131	571
Townsend	PK	27	116	3130	572
Capone	DW	55	57	3126	573
Bally	J	38	82	3124	574
Altshuler	BL	29	108	3124	574
Gopalakrishnan	J	49	64	3113	576
Dimopoulos	S	43	73	3113	576
Pisarski	RD	57	55	3112	578
Green	RF	34	91	3112	578
Mills	DL	23	133	3107	580
Tinkham	M	34	92	3099	581
Narayan	J	15	206	3096	582
Coldren	LA	17	186	3096	582
Ueda	K	11	287	3094	584
Nieminen	RM	22	138	3094	584
Makishima	K	21	146	3093	586
Kaldis	E	17	179	3083	587
Apollinari	G	25	122	3081	588
Howard	RE	42	74	3077	589
Suenaga	M	24	129	3077	589
Johnson	NM	25	124	3074	591
Barnett	RM	110	28	3072	592
Sasaki	T	7.3	422	3067	593
Mydosh	JA	17	178	3063	594
Coniglio	A	32	96	3062	595
Geballe	TR	19	161	3056	596
Bond	JR	76	40	3052	597
Williams	JM	16	192	3050	598
Gordon	JP	60	51	3050	598
Bechtold	J	45	68	3048	600
Vandenberg	DA	65	47	3046	601
Stutzmann	M	20	151	3043	602
Sagawa	M	36	85	3042	603
Kohmoto	M	31	97	3041	604
Bando	Y	19	157	3040	605

Author name		average cites	total articles	total cites	rank by total citations
Kondo	K	9.7	313	3039	606
Kanbach	G	31	99	3038	607
Levine	BF	35	87	3035	608
Iijima	S	47	65	3032	609
Tanner	DB	26	116	3030	610
Rosseinsky	MJ	64	47	3026	611
Bothun	GD	26	117	3019	612
Ertl	G	30	100	3014	613
Tu	CW	18	166	3014	613
Antoniadis	I	34	89	3013	615
Fowler	AB	143	21	3012	616
Tokumoto	M	13	240	3011	617
Cahn	JW	49	61	3002	618
Wright	EL	49	61	3001	619
Kubo	Y	19	160	3000	620
Johnston	KJ	19	159	2998	621
Myers	PC	38	79	2997	622
Elvis	M	31	97	2995	623
Srednicki	M	43	69	2995	623
Smith	EJ	19	159	2995	623
Takahashi	S	9	331	2992	626
Bajaj	KK	21	140	2992	626
Bimberg	D	13	236	2990	628
Srolovitz	DJ	24	125	2988	629
Maeda	K	10	297	2986	630
King	AR	18	166	2983	631
Rice	JP	58	51	2980	632
Kane	GL	49	61	2976	633
Scheffler	M	25	117	2972	634
Guth	AH	149	20	2971	635
Kikuchi	M	11	261	2971	635
Bartel	W	26	114	2970	637
Kirshner	RP	31	96	2970	637
Fukuda	A	16	191	2970	637
Goss	WM	16	186	2969	640
Schneider	DP	26	112	2965	641
Daw	MS	76	39	2964	642

Author name		average cites	total articles	total cites	rank by total citations
Condon	JJ	34	86	2964	642
Young	JS	42	70	2964	642
Smoot	GF	34	86	2959	645
Matsumoto	T	8.5	348	2955	646
Fiory	AT	54	55	2954	647
Girvin	SM	34	88	2953	648
Kaneko	K	16.58.	178	2952	649
Heckman	TM	35	85	2950	650
Landauer	R	41	72	2946	651
Matsuda	T	10	290	2944	652
Tsang	MB	26	115	2943	653
Zoller	P	21	143	2941	654
Amelinckx	S	17	170	2941	654
Amer	NM	51	58	2940	656
Fabbiano	G	40	74	2934	657
Millis	AJ	37	79	2931	658
Fukutomi	M	51	57	2931	658
Kobayashi	S	8.8	332	2930	660
Shifman	MA.	31	93	2928	661
Yablonovitch	E	42	69	2927	662
Shu	FH	59	50	2927	662
Shraiman	BI	77	38	2926	664
Brodsky	S	33	89	2925	665
Horn	PM	62	47	2924	666
Menovsky	AA	12	246	2923	667
Strom	SE	41	72	2919	668
Deser	S	36	82	2916	669
Stohr	J	44	67	2915	670
Martins	JL	54	54	2913	671
Frogel	JA	38	76	2907	672
Lebowitz	JL	17	174	2904	673
Weymann	RJ	40	72	2903	674
Norskov	JK	41	70	2903	674
Habing	HJ	48	61	2901	676
Koren	G	32	91	2898	677
Northrup	JE	43	67	2898	677
Wilson	AS	28	105	2897	679

Author name		average cites	total articles	total cites	rank by total citations
Sham	LJ	35	82	2896	680
Lyne	AG	27	107	2896	680
Zeller	R	22	134	2895	682
Weise	W	24	120	2894	683
Brown	BA	16	182	2891	684
Jensen	MH	52	56	2890	685
Schulz	H	16	183	2889	686
Jaffe	RL	42	68	2884	687
Muller	G	10	277	2882	688
Chaillout	C	33	86	2879	689
Weinert	M	31	94	2879	689
Karsch	F	24	118	2879	689
Vanhouten	H	47	61	2876	692
Davies	RL	90	32	2875	693
Deboer	FR	8.3	346	2870	694
Denjacob	E	29	100	2868	695
Moore	G	42	68	2865	696
Takezde	H	17	172	2863	697
Read	N	55	52	2862	698
Gibson	JM	34	83	2862	698
Baskes	MI	55	52	2859	700
Miley	GK	31	93	2856	701
Yanagida	T	25	115	2856	701
Garcia	N	20	140	2855	703
Matsumoto	H	8.4	342	2855	703
Hong	M	21	133	2854	705
Segre	CU	86	33	2853	706
Baum	G	50	57	2852	707
Lee	J	11	265	2850	708
Yamamoto	S	8.3	344	2849	709
Wilson	TL	18	155	2846	710
Fradkin	ES	28	100	2845	711
Stolen	RH	47	61	2845	711
Cowie	LL	41	70	2843	713
Alexander	G	15	195	2842	714
Barbarogaltieri	A	25	114	2841	715
Komatsubara	T	11	252	2839	716

Author name		average cites	total articles	total cites	rank by total citations
Citrin	PH	51	56	2838	717
Peebles	PJE	50	57	2837	718
Matsui	Y	14	207	2833	719
Webb	RA	62	46	2833	719
Blinc	R	11	252	2830	721
Vanparadijs	J	12	242	2830	721
Atac	M	20	140	2829	723
Heiney	PA	59	48	2829	723
Dynes	RC	37	76	2829	723
Herrmann	HJ	21	137	2829	723
Ogawa	K	12	230	2828	727
Bray	AJ	23	122	2827	728
Marciano	WJ	64	44	2826	729
Horikoshi	Y	18	157	2825	730
Namba	S	9.6	293	2823	731
Weber	ER	21	133	2819	732
Kaindl	G	15	191	2816	733
Maki	K	13	225	2816	733
Landau	DP	20	144	2816	733
Shenker	S	201	14	2812	736
Prokhorov	AM	4.6	611	2809	737
Aaronson	M	46	61	2807	738
Phillips	JC	17	170	2806	739
Muller	B	14	205	2802	740
Yamauchi	H	8.8	320	2799	741
Stauffer	D	14	197	2798	742
Gleiter	H	26	186	2797	743
Lange	FF	20	138	2797	743
Catlow	CRA	15	192	2796	745
Kwo	J	41	69	2795	746
Asayama	K	12	230	2794	747
Ishida	K	9.9	283	2793	748
Moncton	DE	68	41	2791	749
Takano	M	22	125	2791	749
Abstreiter	G	17	165	2787	751
Fujii	T	8.6	324	2786	752
Feenstra	RM	35	80	2786	752

Author name		average cites	total articles	total cites	rank by total citations
Batley	JR	17	160	2783	754
Yurke	B	32	86	2780	755
Levine	H	25	110	2776	756
Stone	J	42	66	2770	757
Catz	P	111	25	2769	758
Baden	AR	26	108	2768	759
Tiefel	TH	34	82	2768	759
Sugar	RL	35	80	2768	759
Lawrence	A	34	81	2766	762
Burnham	RD.	17	164	2766	762
Dalgarno	A	18	156	2764	764
Mori	H	8.2	338	2763	765
Watanabe	S	8.1	343	2763	765
Wurth	R	20	135	2761	767
Char	K	30	91	2759	768
English	JH	35	78	2758	769
Ketterson	JB	12	234	2758	769
Canham	LT	86	32	2756	771
Weinberg	S	61	45	2753	772
Alfano	RR	9.4	292	2753	772
Wudl	F	25	110	2753	772
Kroemer	H	19	143	2752	775
Toulouse	G	83	33	2750	776
Lugiato	LA	17	158	2744	777
Mukai	T	16	175	2744	777
Schmidt	H	14	194	2743	779
Siegel	W	25	109	2741	780
Zhang	FC	33	82	2740	781
Gallagher	PK	41	66	2736	782
Ashby	MF	33	82	2734	783
Uemura	YJ	19	143	2731	784
Satu	S	7.6	360	2730	785
Schulz	HD	20	136	2730	785
Dopita	MA	24	114	2728	787
Gratias	D	50	55	2728	787
Kitaoka	Y	13	209	2726	789
Gammel	PL	48	68	2724	790

Author name		average cites	total articles	total cites	rank by total citations
Eckmann	JP	47	58	2723	791
Kawasaki	K	14	193	2723	791
Vanderveen	JF	41	66	2722	793
Lejay	P	17	157	2718	794
Chen	CT	15	179	2717	795
Salamon	MB	20	135	2717	795
Onuki	Y	8.6	316	2715	797
Willis	JO	25	107	2715	797
Takeda	Y	13	216	2713	799
Nazzal	AI	100	27	2711	800
Walmsley	CM	23	120	2709	801
Centro	S	87	31	2703	802
Schulz	HJ	24	113	2701	803
Orenstein	J	59	46	2700	804
Family	F	28	97	2699	805
Casten	RF	17	163	2697	806
Zaanen	J	49	55	2694	807
Paczynski	B	31	88	2692	808
Lipowsky	R	31	87	2689	809
Vandewalle	CG	43	62	2680	810
Kajantie	K	39	69	2680	810
Avouris	P	37	172	2679	812
Kogut	JB	20	135	2677	813
Shirley	DA	32	84	2677	813
Berends	FA	42	63	2676	815
Hamakawa	Y	12	232	2675	816
Candelas	P	76	35	2672	817
Matsushita	T	9.6	277	2669	818
Gibbs	HM	19	141	2668	819
Shen	ZX	23	115	2667	820
Littlewood	PB	38	71	2666	821
Tung	RT	38	70	2666	821
Fukugita	M	18	148	2665	823
Phillips	TG	30	89	2664	824
Blandford	RD	37	71	2662	825
Maccacaro	T	35	75	2662	825
Braaten	E	33	81	2662	825

Author name		average cites	total articles	total cites	rank by total citations
Redner	S	27	100	2660	828
Chu	SNG	16	169	2657	829
Broll	C	43	61	2653	830
Klein	MV	21	129	2652	831
Torardi	CC	68	39	2651	832
Ohashi	T	20	134	2651	832
Madhukar	A	20	132	2649	834
Ceradini	F	76	35	2645	835
Matsuda	A	14	185	2644	836
Lees	JP	21	128	2642	837
Minard	MN	20	129	2642	837
Calvetti	M	110	24	2640	839
Hasegawa	H	9.3	284	2640	839
Holmes	AB	33	79	2639	841
Ropriguez	LF	16	162	2639	841
Florez	LT	22	119	2634	843
Winter	H	13	197	2633	844
Ishikawa	T	9.4	280	2633	844
Wilkins	JW	23	113	2631	846
Garrett	JD	18	145	2630	847
Robertson	J	25	103	2622	848
Joyce	BA	29	90	2622	848
Fu	CL	33	79	2615	850
Caldeira	AO	75	35	2615	850
Mayerhasselwander		35	75	2615	850
Gyorgy	EM	28	93	2614	853
Mould	JR	25	103	2614	853
Hermann	AM	34	76	2612	855
Siewart	GC	41	64	2611	856
Schubert	EF	26	180	2611	856
Aoki	K	9.1	286	2610	858
Kotliar	G	29	91	2609	859
Vonbrentano	P	10	256	2607	860
Aubert	JJ	38	68	2607	860
Rieke	GH	26	100	2606	862
Narayan	R	24	110	2606	862
Rosner	JL	23	112	2603	864

Author name		average cites	total articles	total cites	rank by total citations
Gunion	JF	25	105	2603	864
Trippe	TG	325	8	2603	864
Oke	JB	36	72	2601	867
Watanabe	M	6.8	383	2601	867
Takahashi	H	5.8	451	2601	867
Wohl	CG	372	7	2601	867
Satz	H	27	95	2600	871
Kato	T	6.9	379	2599	872
Goodenough	JB	20	129	2599	872
Allison	J	14	183	2598	874
Gosele	U	28	94	2597	875
Stringfellow	GB	18	144	2596	876
Shelton	RN	13	199	2596	876
Azelos	G	14	182	2595	878
Inokuchi	H	18	145	2592	879
Seaton	CT	31	83	2592	879
Renzini	A	66	39	2592	879
Regnault	LP	21	121	2590	882
Peyghambarian	N	16	163	2590	882
Pollak	FH	18	141	2586	884
Elias	JH	56	46	2585	885
Yamashita	T	8.3	313	2585	885
Murata	K	10	251	2583	887
Sundgren	JE	19	136	2582	888
Geshkenbein	VO	63	41	2580	889
Bhatt	RN	32	80	2578	890
Sheng	ZZ	34	75	2577	891
Pringle	JE	30	87	2576	892
Filippenko	AV	20	130	2576	892
Weiner	AM	34	76	2575	894
Asano	H	15	167	2574	895
Heyde	K	17	155	2574	895
Siggia	ED	51	58	2573	897
Hagelin	JS	63	41	2573	897
Altarelli	G	49	52	2569	899
Allamandola	LJ	39	66	2568	900
Solomon	PM	38	67	2568	900

Author name		average cites	total articles	total cites	rank by total citations
Itoh	M	7.2	358	2568	900
Engler	EM	63	41	2567	903
Marinari	E	25	103	2563	904
Frank	LA	26	97	2561	905
Tanaka	T	5.9	434	2558	906
Sunshine	S	285	9	2556	907
Bassler	H	25	101	2556	907
Nakahara	S	23	109	2555	909
Henry	CH	41	62	2554	910
Phillips	MM	32	81	2554	910
Kendelewicz	T	20	128	2554	910
Stetson	PB	45	57	2552	913
Hewat	AW	42	61	2552	913
Wu	YS	20	127	2552	913
Girardello	L	42	60	2549	916
Sette	F	31	82	2549	916
Fischer	B	22	114	2547	918
Conti	PS	37	68	2546	919
Ruckenstein	AE	62	41	2545	920
Banks	T	32	79	2543	921
Wang	J	5.4	468	2542	922
Asman	B	35	72	2540	923
Cheng	ES	82	31	2538	924
Holt	SS	58	44	2538	924
Chang	KJ	26	98	2537	926
Vandenbergh	S	14	187	2535	927
Huchra	J	84	30	2531	928
Hinchliffe	I	82	31	2528	929
Cline	D	32	80	2528	929
Cittolin	S	94	27	2527	931
Ambjorn	J	21	120	2527	931
Srinivasan	R	17	152	2522	933
Cooper	AS	41	62	2520	934
Givord	D	18	141	2520	934
Hutchings	JB	15	169	2519	936
Sirlin	A	48	52	2517	937
Bowcock	TJV	114	22	2517	937

Author name		average cites	total articles	total cites	rank by total citations
Vanderbilt	D	35	72	2512	939
Bohm	E	46	55	2508	940
Ito	T	6.3	400	2507	941
Mannhart	J	42	60	2506	942
Hernandez	JJ	167	15	2506	942
Almehed	S	14	174	2506	942
Grinstein	G	37	68	2503	945
Bird	IG	72	35	2503	945
Hiraga	K	17	145	2499	947
Krolik	JH	37	68	2498	948
Meissner	UG	29	121	2498	948
Hafner	J	14	177	2497	950
Dinger	TR	96	26	2496	951
Karpinski	J	23	109	2495	952
Kleiss	R	36	69	2494	953
Kaveh	M	17	147	2493	954
Suresh	S	27	92	2492	955
Zhang	YC	26	94	2489	956
Mori	M	12	215	2488	957
Dejong	T	33	76	2486	958
Grant	IP	39	63	2486	958
Blitz	L	42	59	2485	960
Lannoo	M	18	139	2485	960
Huang	TC	36	69	2485	960
Morris	M	30	82	2484	963
Herbst	E	24	102	2483	964
Marcus	PM	22	115	2483	964
Mason	KO	19	132	2482	966
Kiefl	RF	21	119	2482	966
Brasse	FW	45	55	2482	966
Cliff	RW	92	27	2481	969
Takayamamuromachi		30	83	2481	969
Beichman	CA	43	58	2481	969
Maradudin	AA	13	191	2481	969
Rao	CNR	12	212	2479	973
Djorgovski	S	27	91	2477	974
Moodenbaugh	AR	39	64	2476	975

Author name		average cites	total articles	total cites	rank by total citations
Nappi	CR	92	27	2475	976
Zwirner	F	54	46	2475	976
Reihl	B	24	104	2470	978
Rubakov	VA	30	82	2470	978
Angell	CA	27	91	2469	980
Wolf	A	23	109	2468	981
Barlow	RJ	15	170	2468	981
Tachiki	M	14	175	2467	983
Strom	KM	44	56	2466	984
Shuryak	EV	35	71	2465	985
People	R	70	35	2464	986
Beaufays	J	51	48	2463	987
Kenyon	SJ	27	92	2462	988
Shayegan	M	19	133	2462	988
Haug	H	19	128	2461	990
Pettini	M	26	95	2460	991
Chollet	JC	52	47	2459	992
Moruzzi	VL	38	65	2458	993
Lagally	MG	23	106	2458	993
Pounds	KA	34	72	2457	995
Weibel	E	491	5	2455	996
Nucker	N	42	58	2454	997
Gulkis	S	57	43	2454	997
Sunshine	SA	94	26	2454	997
Migus	A	29	85	2450	1000
Maekawa	S	12	199	2449	1001
Janssens	RVF	15	164	2449	1001
Manchester	RN	23	106	2448	1003
Lyndenbell	D	24	100	2447	1004
Kulkarni	SR	23	106	2444	1005
Stroud	D	18	136	2442	1006
Thurston	TR	46	53	2438	1007
Harris	WE	26	95	2437	1008
Smith	AB	44	56	2436	1009
Yamaguchi	Y	7.7	316	2436	1009
Hartmann	H	26	95	2433	1011
Diamond	RM	17	140	2432	1012

Author name		average cites	total articles	total cites	rank by total citations
Wheeler	JC	25	97	2432	1012
Schlesinger	Z	50	49	2431	1014
Wang	HH	17	140	2431	1014
Peeters	FM	12	196	2428	1016
Debouard	X	45	54	2427	1017
Ching	WY	14	171	2424	1018
Schneider	J	13	184	2422	1019
Zhang	J	7.1	340	2420	1020
Eichten	E	86	28	2419	1021
Kimble	HJ	29	83	2419	1021
Ahmed	H	15	157	2419	1021
Hermsen	W	24	100	2419	1021
Peterson	BA	35	70	2418	1025
Iye	Y	22	108	2418	1025
Ogawara	Y	36	68	2416	1027
Biegelsen	DK	37	65	2416	1027
Truran	JW	28	87	2416	1027
Faurie	JP	17	146	2415	1030
Liu	CT	19	124	2415	1030
Langer	WD	38	63	2415	1030
Eaves	L	12	208	2414	1033
Nagel	SR	32	76	2413	1034
Gotze	W	40	60	2412	1035
Collins	RT	46	52	2412	1035
Tanihata	I	28	85	2411	1037
Houck	JR	33	73	2409	1038
Saito	T	5.8	416	2409	1038
Abe	Y	8.1	299	2407	1040
Melloch	MR	13	183	2407	1040
Canizares	CR	38	64	2407	1040
Olson	RE	16	152	2407	1040
Feldman	U	14	174	2406	1044
White	SR	41	59	2406	1044
Vanwees	BJ	48	50	2404	1046
Enomoto	Y	15	165	2403	1047
Renard	JP	18	131	2398	1048
Lynn	KG	18	135	2397	1049

Author name		average cites	total articles	total cites	rank by total citations
Gidia	IM	37	65	2397	1049
Syono	Y	13	191	2396	1051
Cannell	DS	34	70	2396	1051
Prinz	GA	17	141	2395	1053
Abbott	LF	57	42	2394	1054
Kleinman	DA	100	24	2394	1054
Hasegawa	A	10	238	2394	1054
Foltz	CB	24	100	2393	1057
Aichelin	J	33	73	2392	1058
Wiegmann	PB	56	43	2390	1059
Antonetti	A	23	104	2389	1060
Soukoulis	CM	19	125	2389	1060
Adeva	B	35	68	2387	1062
Swendsen	RH	54	44	2386	1063
Chu	S	45	53	2386	1063
Gatley	I	27	87	2384	1065
Persson	SE	43	56	2380	1066
Egami	T	18	133	2378	1067
Haller	EE	11	215	2377	1068
Sipe	JE	17	143	2377	1068
Miura	N	6.9	345	2376	1070
Diamond	PH	17	138	2374	1071
Campbell	EM	42	57	2374	1071
Bader	SD	20	118	2373	1073
Jones	GAC	13	187	2372	1074
Knapp	GR	40	60	2371	1075
Burke	PG	18	130	2371	1075
Dalibard	J	51	46	2368	1077
Ito	H	7.1	335	2366	1078
Smith	DL	14	168	2366	1078
Mollenauer	LF	42	56	2365	1080
Thomas	GA	38	62	2365	1080
Puska	MJ	30	78	2365	1080
Claus	H	38	63	2364	1083
Kogan	VG	45	53	2363	1084
Semenoff	GW	25	94	2363	1084
Lubensky	TC	25	95	2362	1086

Author name		average cites	total articles	total cites	rank by total citations
Akasofu	SI	17	139	2359	1087
Ahlers	G	21	113	2359	1087
Weber	W	19	122	2358	1089
Shechtman	D	60	39	2358	1089
Carr	J	41	57	2356	1091
Kumar	A	4.8	494	2355	1092
Delfino	M	21	111	2349	1093
Schetzina	JF	18	133	2348	1094
Fischer	HM	29	81	2347	1095
Burlet	P	16	151	2347	1095
Braunschweig	W	29	80	2346	1097
Chiang	S	60	39	2345	1098
Thomas	G	12	200	2345	1098
Ohta	T	10	227	2345	1098
Kolb	EW	23	100	2344	1101
Mourou	G	27	88	2343	1102
Ritchie	DA	11	214	2341	1103
Ho	PTP	21	114	2339	1104
Paschmann	G	38	62	2339	1104
Morrison	RJ	123	19	2339	1104
Tully	RB	57	41	2339	1104
Goldman	AM	16	143	2338	1108
Stoffel	NG	28	83	2336	1109
Klein	U	17	141	2336	1109
Toki	H	15	156	2335	1111
Vanderlaan	G	27	88	2333	1112
Henkel	C	17	134	2332	1113
Levi	AFJ	21	110	2332	1113
Deutscher	G	16	147	2332	1113
Jones	C	34	69	2332	1113
Lin	CD	16	150	2331	1117
Burlaga	LF	24	98	2331	1117
Martyn	HU	32	72	2329	1119
Fischer	P	8	292	2328	1120

ISI's 50 Most Cited Chemists, 1981-June 1997

Ranked by Total Citations

The Research Department of the "Institute for Scientific Information" (ISI), the publisher of *Current Contents*® has compiled a list of the 50 Most Cited Physicists. The list is based on papers published between 1981 and June 1997. See the "Notes and Elaborations" immediately following this list for further information about how the list was compiled. The originator of this research is: David A. Pendlebury

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This information can be found on the web page of the University of Lemans, France, at:

<http://pcb4122.univ-lemans.fr/citation.html>. A complete list of ISI's 10,858 Most Cited Chemists can be found at: <http://pcb4122.univ-lemans.fr/chimie/chimistes.html>.

Name	Papers	Citations	Cites/Paper
1-10			
A.Bax	152	21655	142.47
J.A.Pople	176	14044	79.8
P.V.Schleyer	525	13559	25.83
R.R.Ernst	[N] 182	13069	71.81
G.M.Whitesides	318	12310	38.71
H.F.Schaefer	515	11921	23.15
J.C.Huffman	577	11654	20.2
A.L.Rheingold	830	11317	13.63
D.Seebach	349	11275	32.31
J.M.Lehn	[N] 307	10823	35.25
11-20			
T.J.Meyer	267	10490	39.29
R.E.Smalley	[N] 96	10456	108.92
A.J.Bard	333	10365	31.13
D.G.Truhlar	328	10310	31.43
J.J.P.Stewart	39	10179	261
E.J.Corey	[N] 303	10129	33.43
F.A.Cotton	634	9911	15.63
P.A.Kollman	140	9703	69.31
M.J.S.Dewar	119	9701	81.52
W.L.Jorgensen	154	9695	62.95
21-30			
R.N.Zare	290	9617	33.16

Name		Papers	Citations	Cites/Paper
B.M.Trost		332	9302	28.02
C.W.Bauschlicher		351	9139	26.04
A.H.White		866	9107	10.52
R.Taylor		221	9020	40.81
R.J.Bartlett		251	8984	35.79
G.A.Somorjai		328	8958	27.31
K.N.Houk		287	8654	30.15
T.J.Marks		217	8366	38.55
S.J.Lippard		230	8342	36.27
31-40				
K.Raghavachari		123	8272	67.25
R.Hoffmann	[N]	248	8269	33.34
A.H.Zewail		211	8208	38.9
J.L.Atwood		348	8109	23.3
M.B.Hursthouse		659	8008	12.15
J.M.White		367	7961	21.69
K.B.Sharpless		148	7931	53.59
R.Freeman		151	7961	52.32
D.J.Williams		656	7761	11.83
R.R.Schrock		235	7725	32.87
41-50				
H.W.Kroto	[N]	140	7514	53.67
M.Karplus		141	7459	52.9
G.M.Sheldrick		441	7453	16.9
D.A.Evans		148	7409	50.06
L.A.Paquette		529	7402	13.99
G.Ertl		242	7347	30.36
K.C.Nicolaou		228	7337	32.18
R.Noyori		183	7281	39.79
W.A.Herrmann		387	7337	18.57
D.H.R.Barton	[N]	407	7183	17.65

[N] = Nobel laureate.

Notes and Elaborations

By David Pendlebury

The following data are offered for your interest. I recently searched the ISI database, 1981-June 1997, for all chemistry papers and their citation counts (how many times they were cited) through 1997. I then

summarized the data by author name (ISI indexes all authors on a paper, not just first author). Thus, the statistics below represent so-called all-author counts.

It is important to recognize what I surveyed and what I did not. The data represent citations recorded over 1981-June 1997 to ISI-indexed chemistry papers 1981-June 1997, and do not represent citations to books, to pre-1980 papers indexed by ISI, or to any papers not indexed by ISI during 1981-June 97. We have defined chemistry as any paper appearing in journals that ISI has classified as chemistry, organic chemistry, physical chemistry, chemical engineering, analytical chemistry and all chemistry subfields used for Current Contents.

There were some 627,871 unique author names found in the set. Only 10,858 (1.7%) were cited 500 times or more. The 50 names below appear on the top of the first page of a printout of the authors cited 500 times or more that runs about 100 pages. These 50 highly cited chemists represent the top .01% worldwide in terms of total citations.

Seven Nobel laureates appear (marked by [N]), and I bet another 6-10 listed here are Nobel laureates-to-be (time will tell if this forecast is accurate). Lists like this one compiled over the last few decades have contained the names of many laureates-to-be. See E. Garfield and A. Welljams-Dorof, "Of Nobel Class: A Citation Perspective on High Impact Research Authors," *Theoretical Medicine*, 13:117-35, 1992, for an overview.