

APPLIED PHYSICS LETTERS

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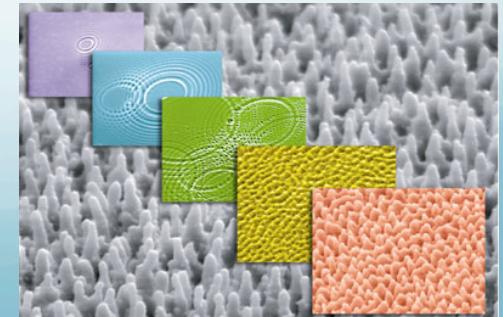
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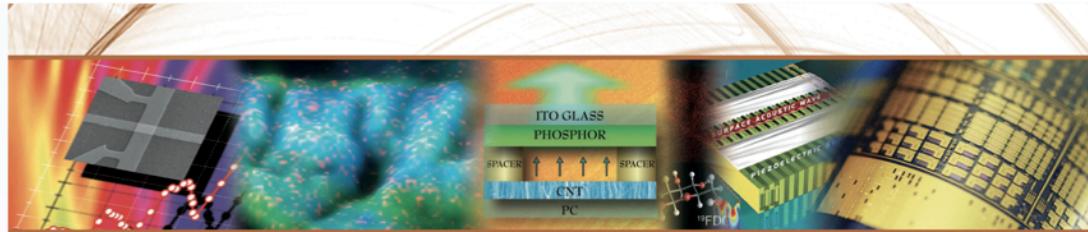
Applied Physics Letters

2010 PRPC Meeting
30 October 2010

APL: Publication Issues and Editorial Policies

Outline

- Recent Statistics
- Publication Issues: excessive growth, nonuniform share of refereeing load
- Editorial Policies & Procedures: increased acceptance standards, editorial rejection

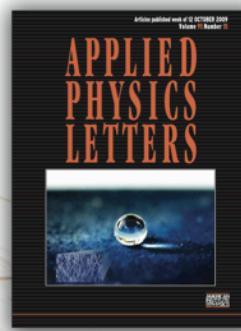


Applied Physics Letters

Emphasizing rapid dissemination of
key data and new physical insights

Editor: **NGHI Q. LAM**

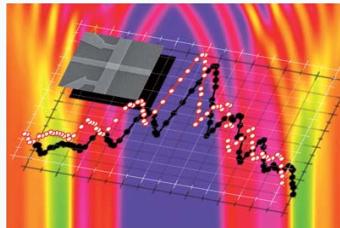
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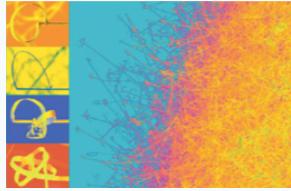
Applied Physics (105 Journals)

Total Citations = 830,516

APL remains the most highly cited journal in the Applied Physics category

* 1 Appl Phys Lett	186,353
* 2 J Appl Phys	115,445
3 Adv Mater	57,456
4 Thin Solid Films	33,298
5 Jpn J Appl Phys	29,661
6 Nat Mater	24,465
7 Appl Surf Sci	21,294
8 J Phys D Appl Phys	21,238
9 Nanotechnology	20,959
10 Surf Coat Tech	20,909
* 11 Rev Sci Instrum	19,371
* 66 Low Temp Phys	1,150

2009 Thomson Reuters TOTAL CITATIONS (by Subject Category)



Applied Physics Letters

2009 Thomson Reuters Journal Citation Reports

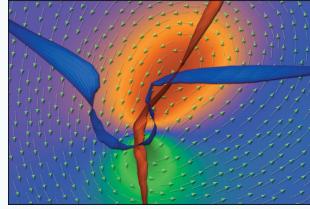
Applied Physics (105 Journals)

Total Citations = 830,516

AIP's four applied physics journals (APL, JAP, LTP, and RSI)

- produced ~25% of the articles published in applied physics
- received ~40% of all the citations in the category.

APL shares ~22% of the total citations in 2009!

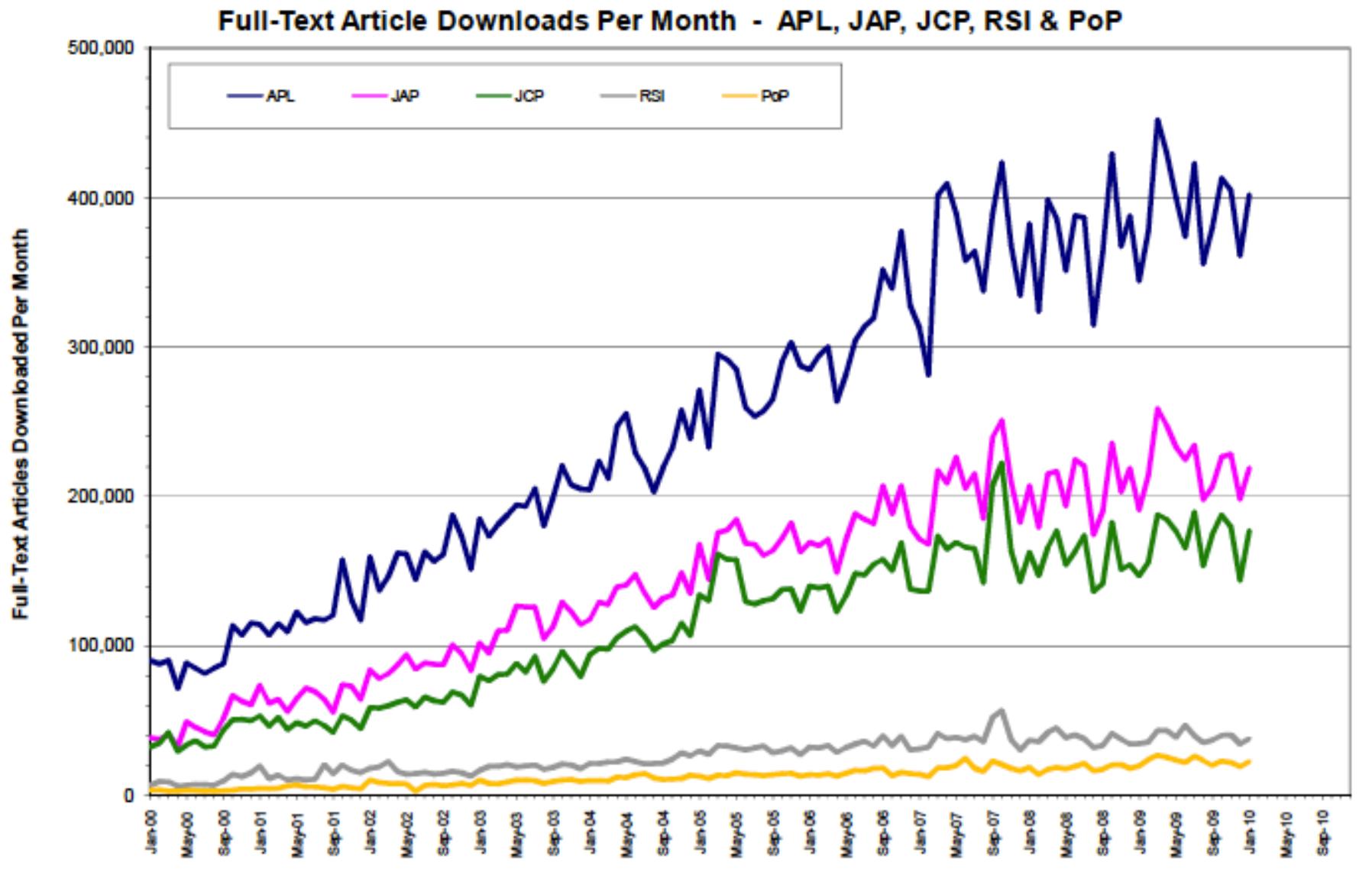


Applied Physics Letters

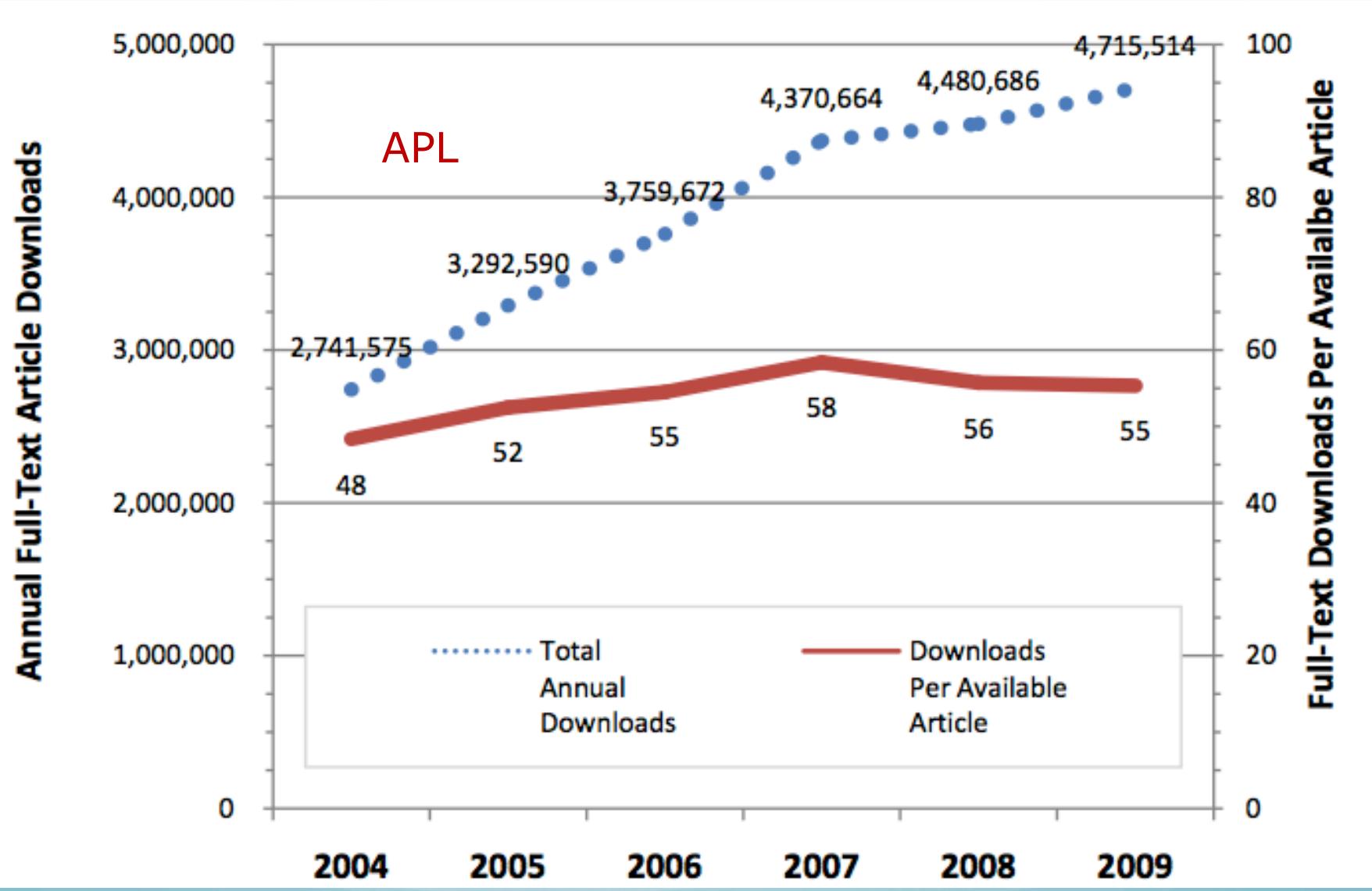
2009 Thomson Reuters Journal Citation Reports

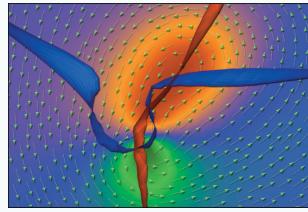
**APL ranks as the second largest science journal in the world
(out of more than 7,300 scientific journals, all disciplines)**

Monthly Full-Text Article Downloads

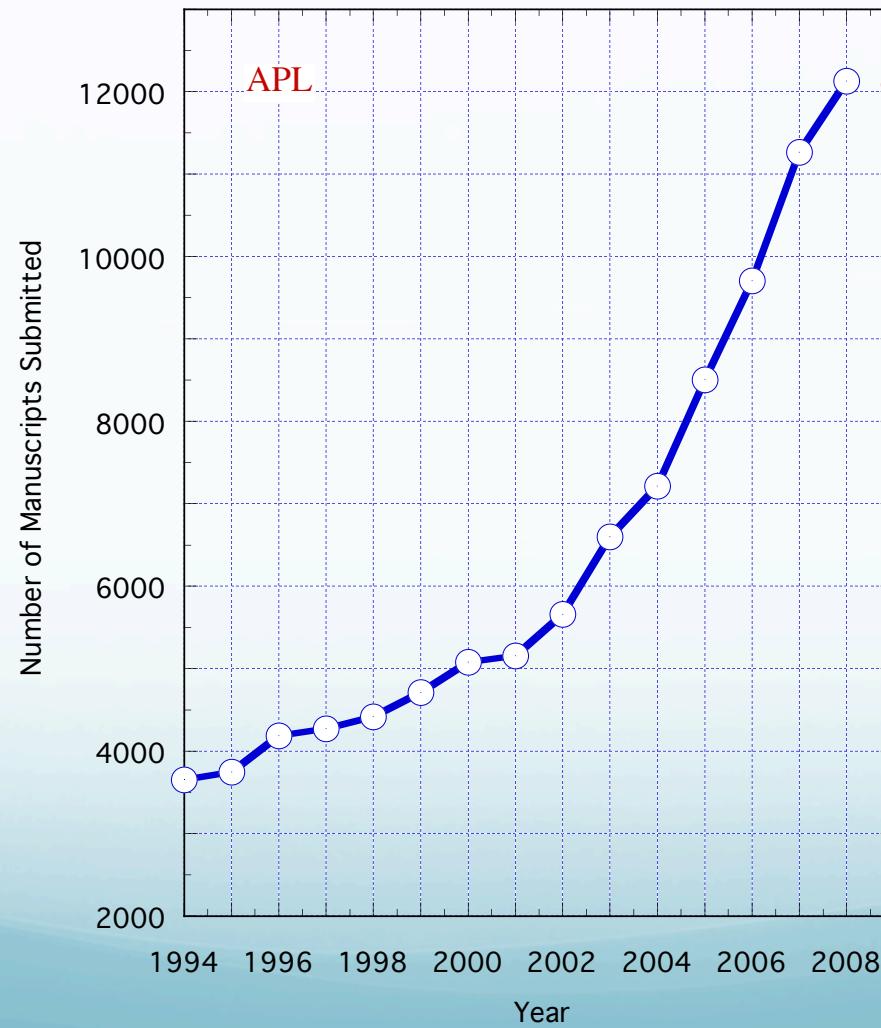


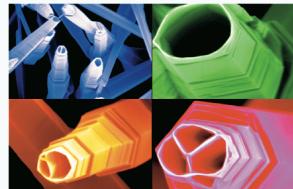
Annual Full-Text Article Downloads



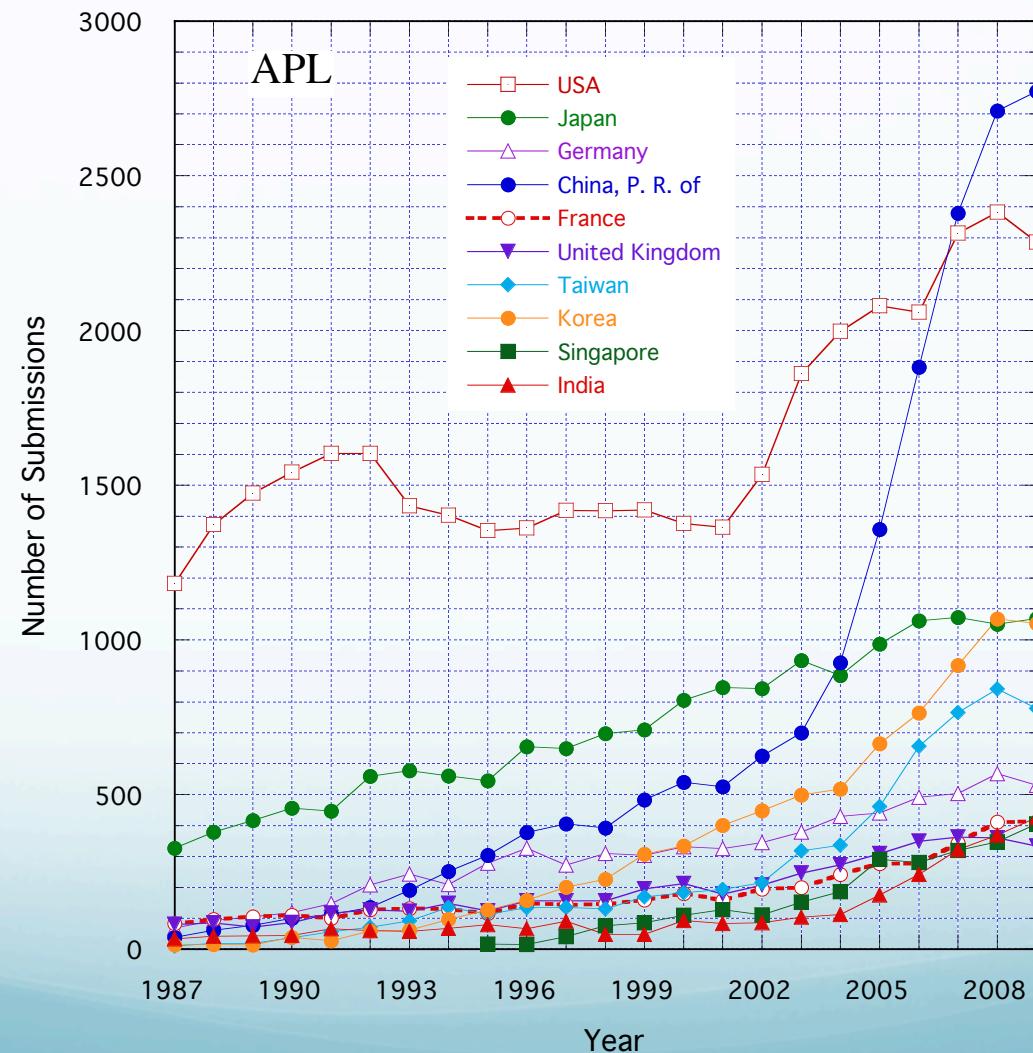


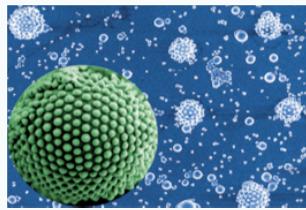
Submission Growth (1994–2009)



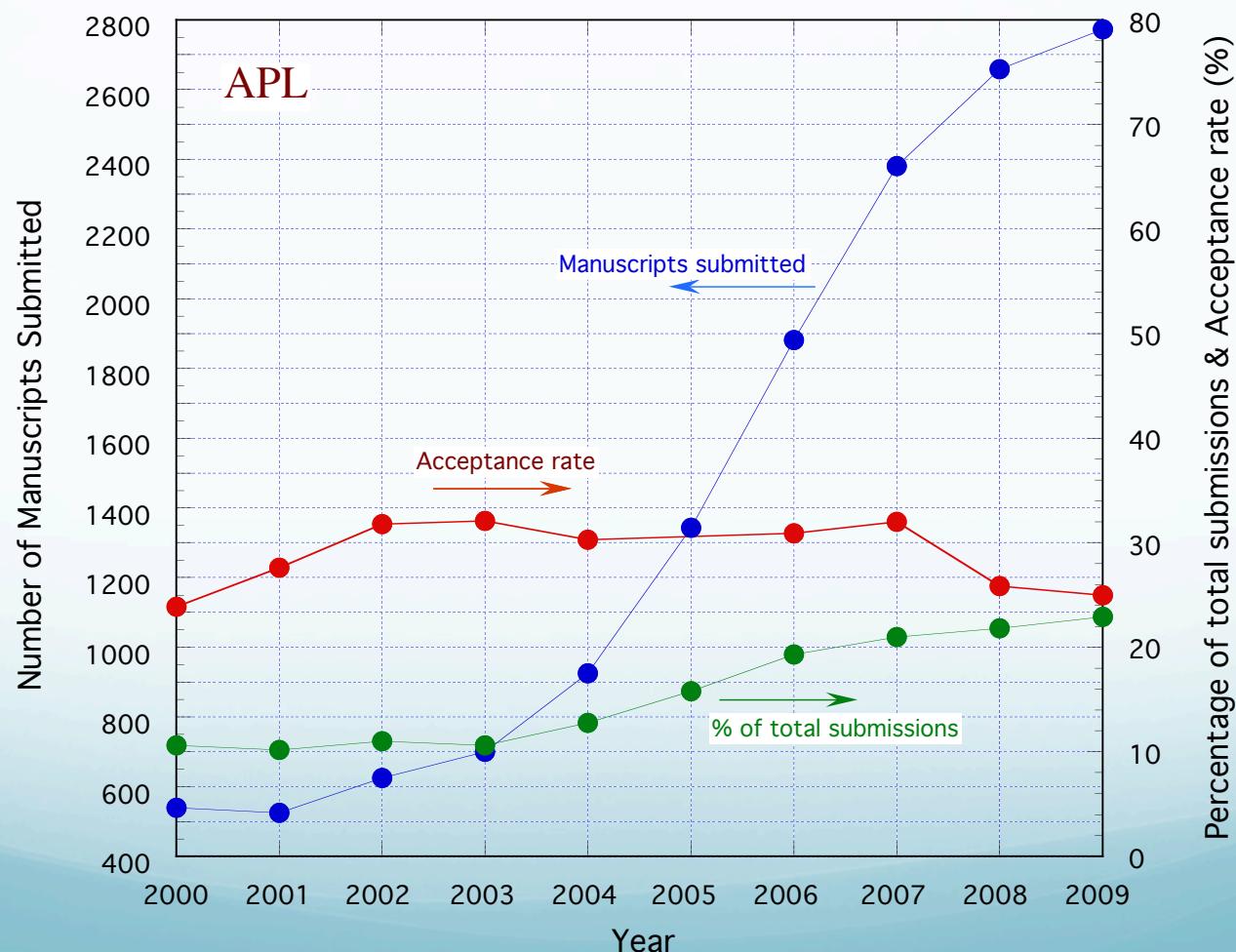


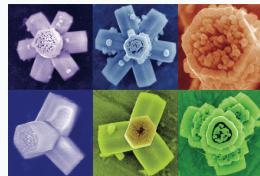
Submissions from top 10 countries (1987–2009)



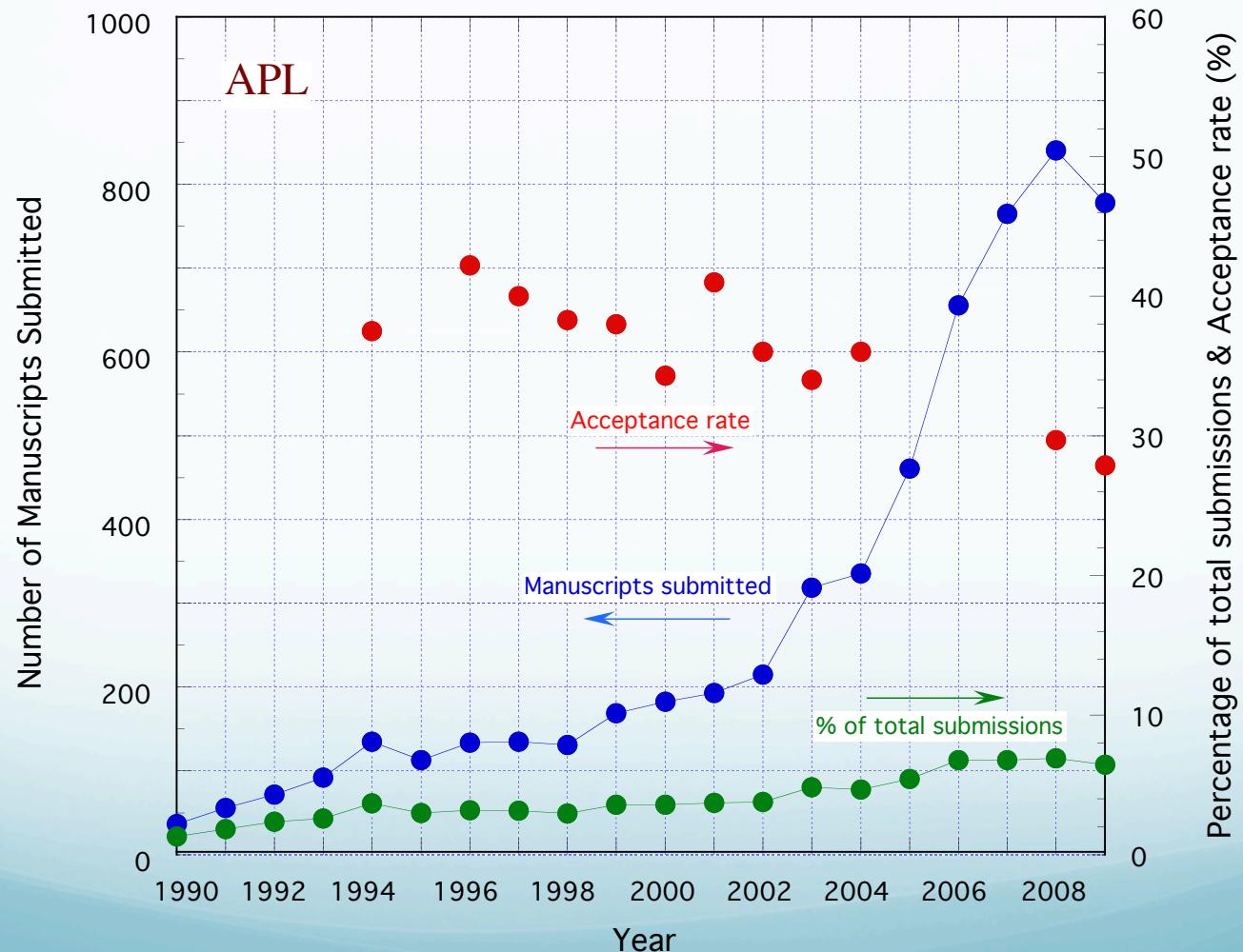


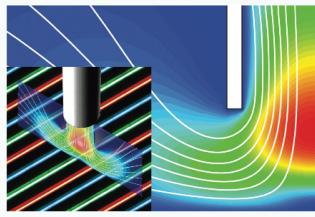
Submission & Acceptance Rate (China, 2000–2009)



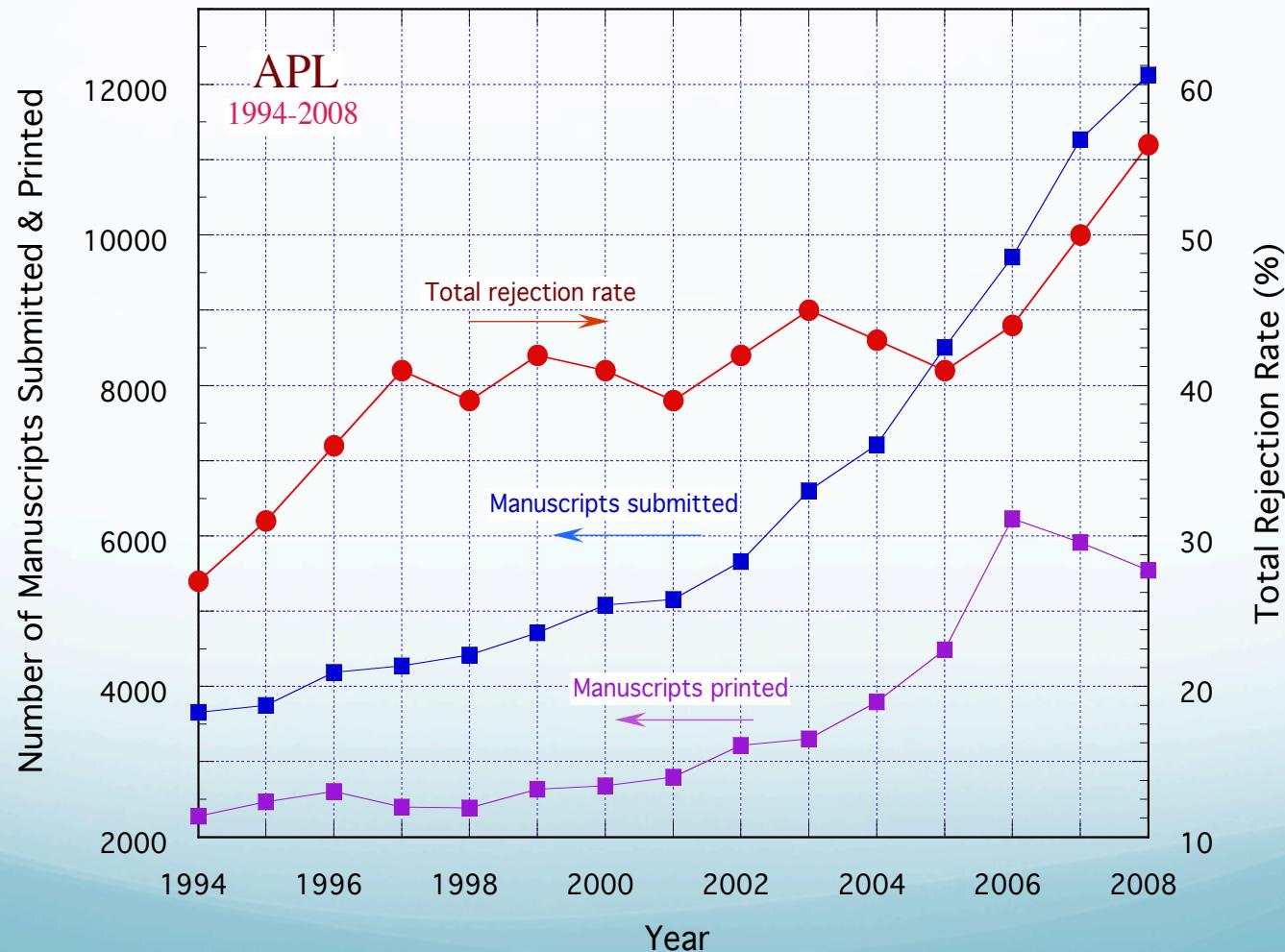


Submission & Acceptance Rate (Taiwan, 2000–2009)

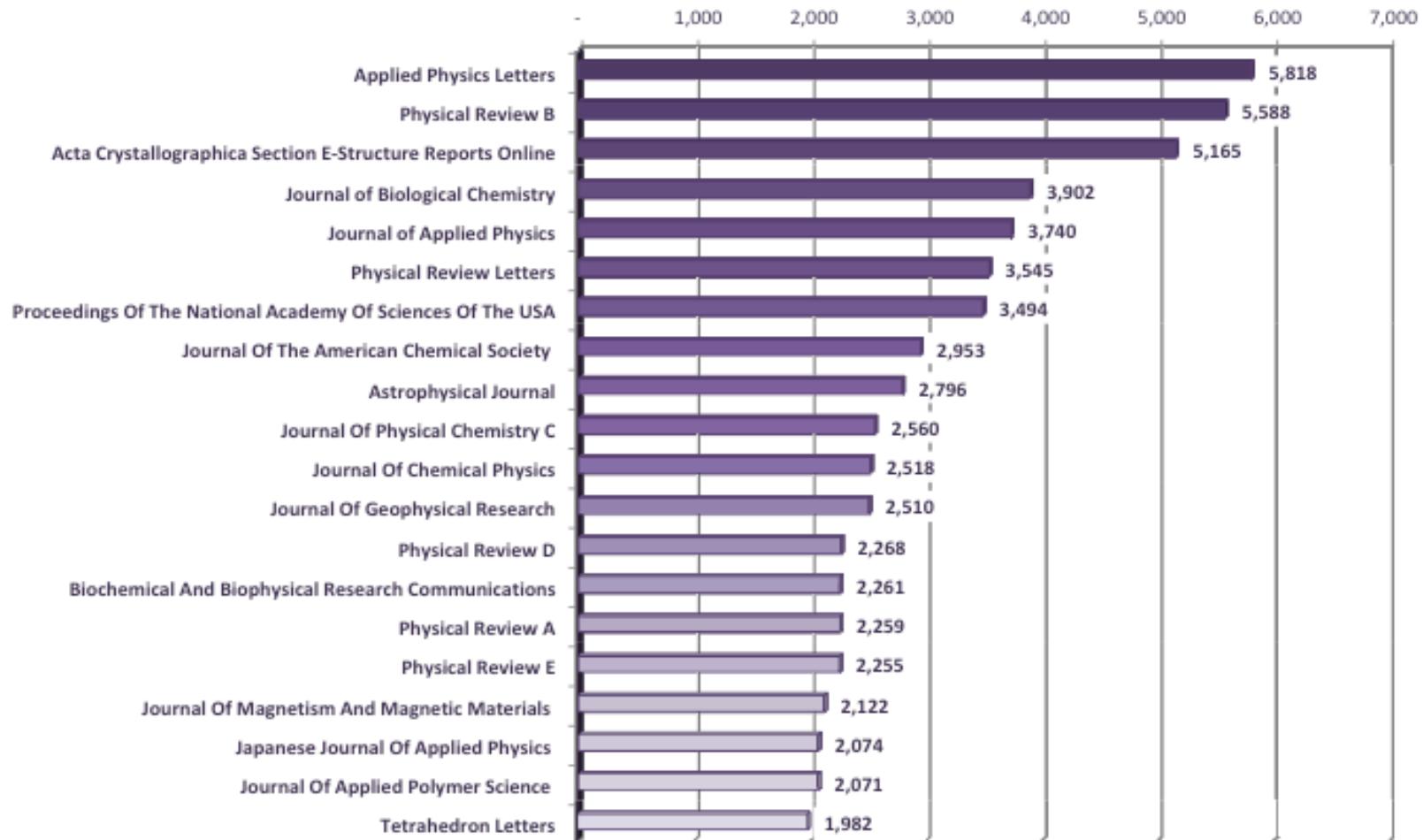




Number of Manuscripts Submitted & Printed, and Rejection Rate



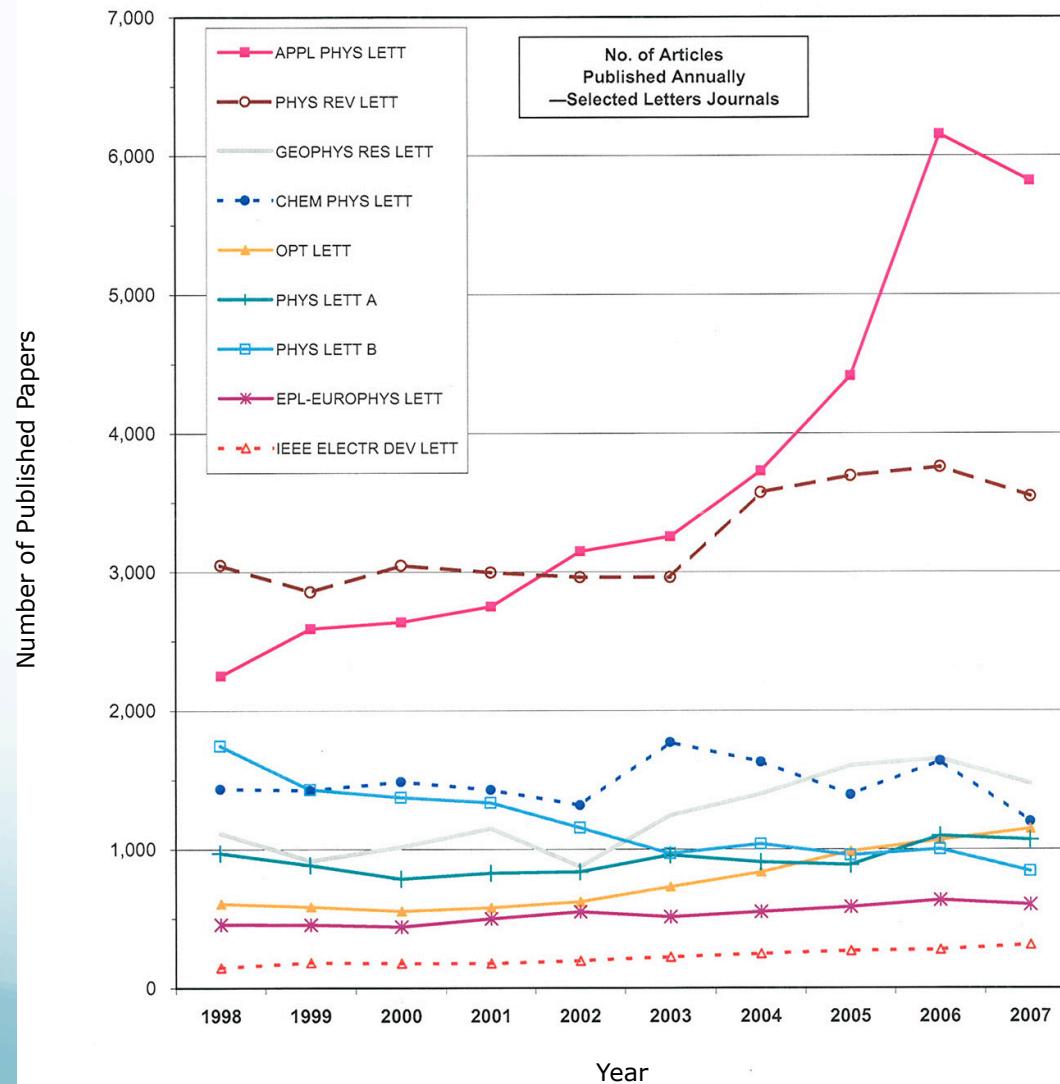
Top 20 - Articles Published - 2007



Letters Journals—Growth in Published Papers

In Thomson's 2007 citation data, out of 6,417 journals included in the Science Edition of *Journal Citation Reports*, APL published the most articles, with 5,818 total articles in 2007. APL exceeded the annual output of the #2 journal on the list, which was PRB, by 230 articles (or 4.1%).

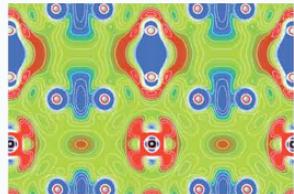
For comparison, below please find plots of the increase in published articles for APL and related LETTERS JOURNALS, over the past ten years. (Data taken from Thomson Reuters' *Journal Citation Reports*.)



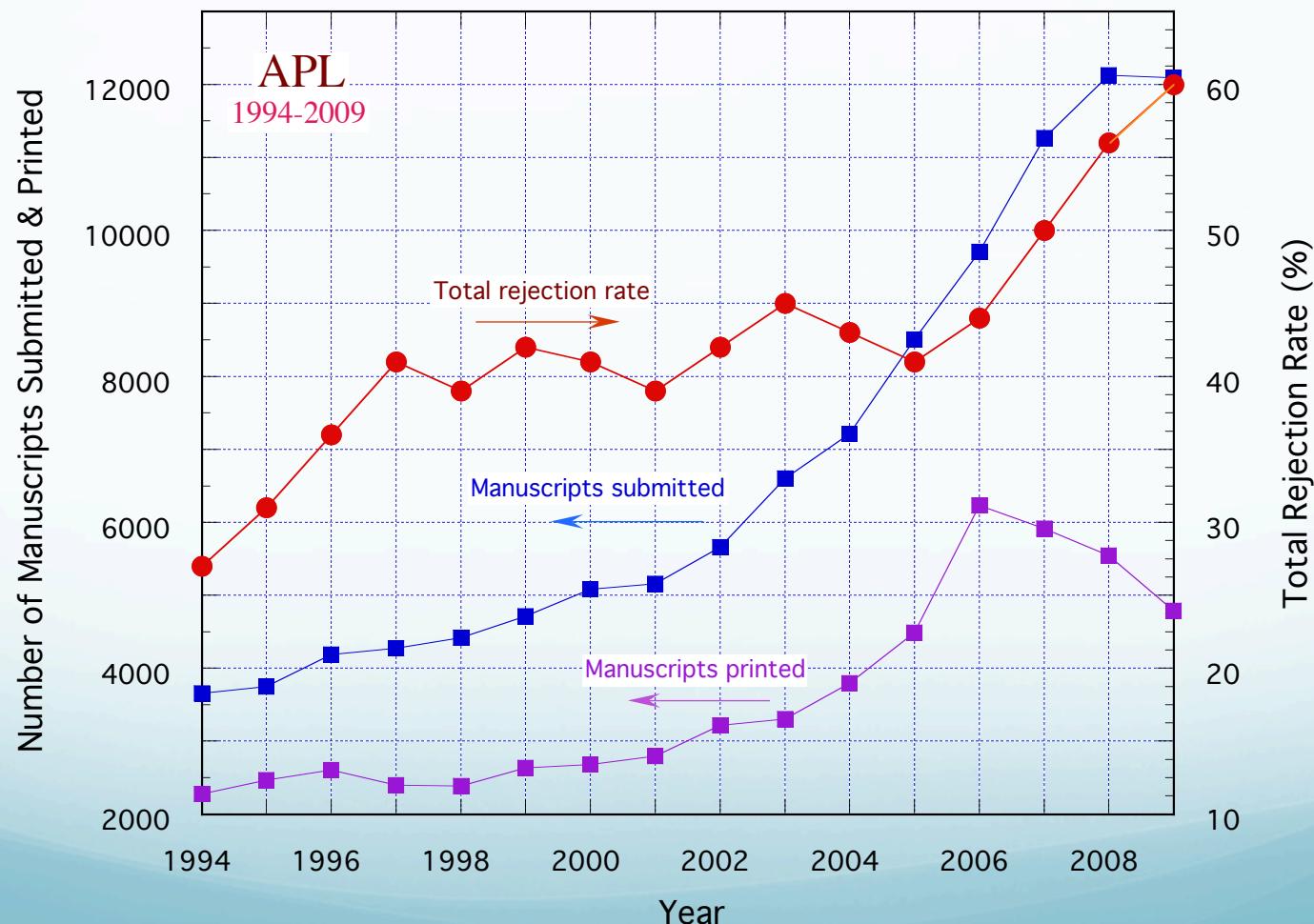
Monthly Submissions to *Applied Physics Letters* in 2009

Month	Letters	Comments, Responses, Addenda	Monthly Total	Errata	Editorial Rejects (w/o review)
January	888	3	891	4	334
February	900	7	907	4	294
March	980	9	989	6	333
April	1090	1	1091	4	368
May	973	3	976	5	363
June	1133	4	1137	12	410
July	1112	4	1116	3	390
August	980	6	986	4	409
September	1069	5	1074	5	386
October	977	4	981	3	359
November	988	7	995	6	385
December	934	10	944	3	361
TOTALS:	12024	63	12087	59	4392

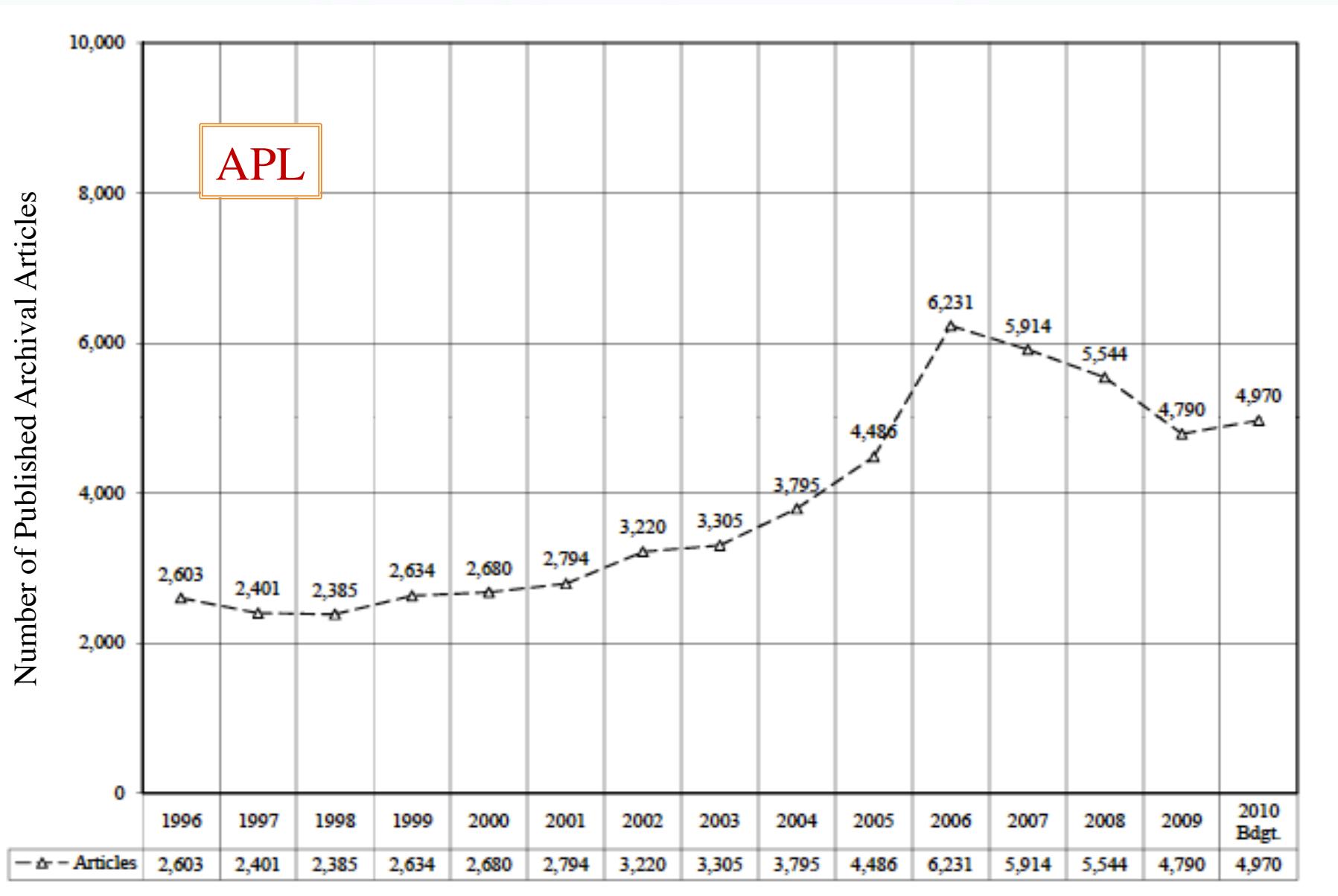
2009 Editorial Rejection Rate: 36.3%

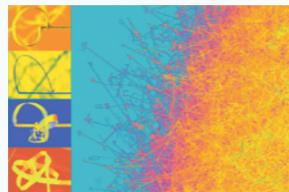


Number of Manuscripts Submitted & Printed, and Rejection Rate

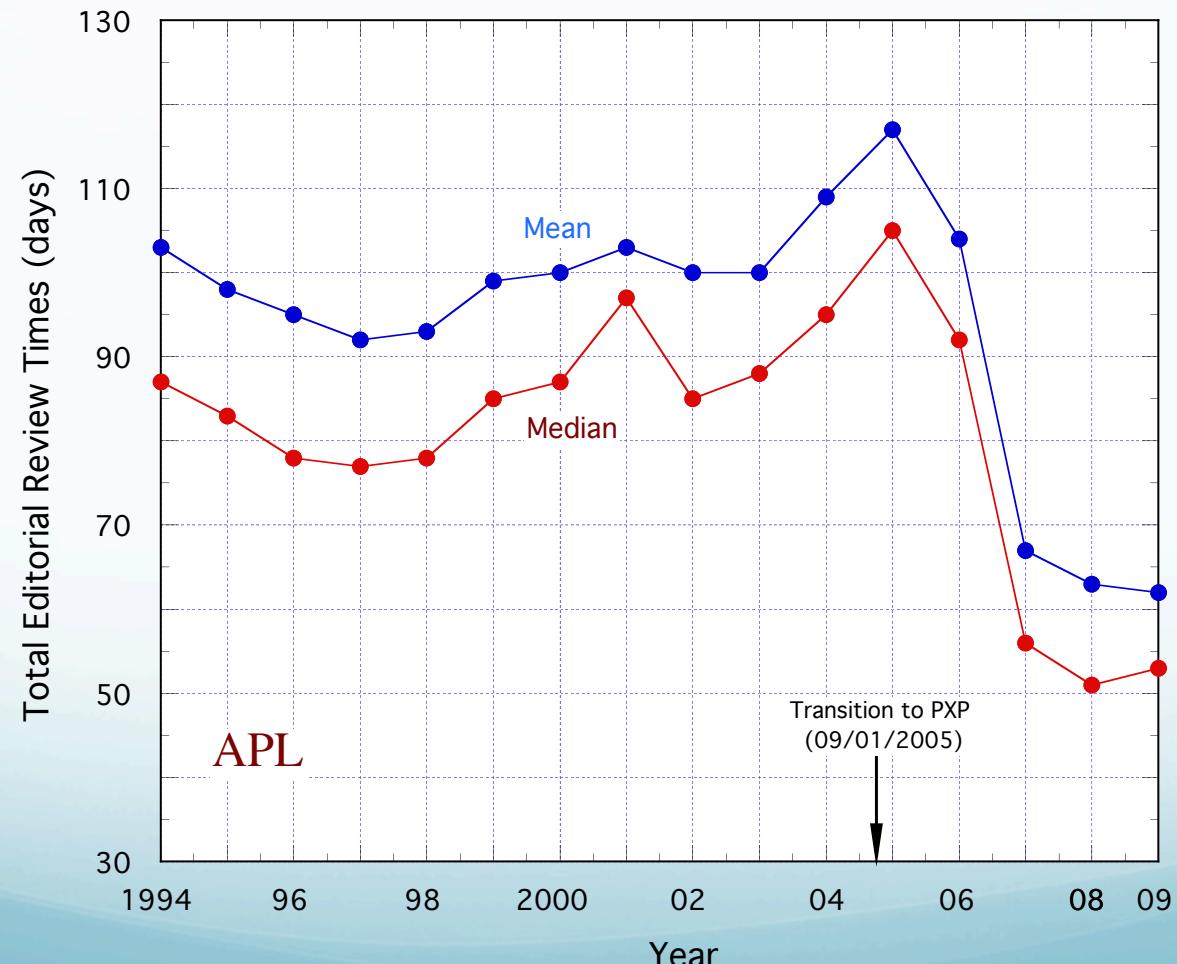


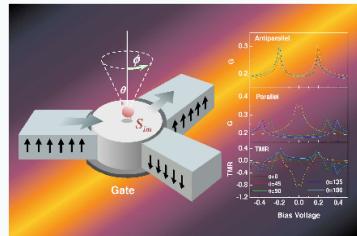
Published Archival Articles in SPIN Database (1996 – 2010)





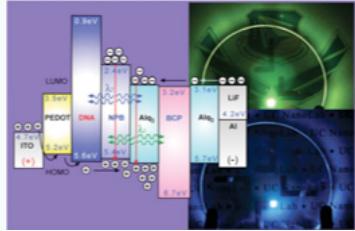
Editorial Review Times (1994-2009)





Applied Physics Letters

Applied Physics Letters (APL-APPLAB)—No. of Published Papers by ToC Section												
Section No.	ToC Section Heading	2005		2006		2007		2008		2009		5-Year % Diff.
		Count	Percent									
02	ANNOUNCEMENTS	0	0.0%	0	0.0%	0	0.0%	0	0.0%	3	0.1%	#DIV/0!
04	EDITORIALS	0	0.0%	0	0.0%	1	0.0%	1	0.0%	1	0.0%	#DIV/0!
11	LASERS, OPTICS, AND OPTOELECTRONICS	714	15.9%	1,027	16.5%	953	16.1%	825	14.9%	738	15.4%	3.4%
15	PLASMAS AND ELECTRICAL DISCHARGES	83	1.9%	130	2.1%	134	2.3%	175	3.2%	99	2.1%	19.3%
19	STRUCTURAL, MECHANICAL, THERMODYNAMIC, AND OPTICAL PROPERTIES OF CONDENSED MATTER	840	18.7%	1,013	16.3%	889	15.0%	762	13.7%	628	13.1%	-25.2%
21	ELECTRONIC TRANSPORT AND SEMICONDUCTORS	515	11.5%	768	12.3%	742	12.5%	627	11.3%	564	11.8%	9.5%
25	MAGNETISM AND SUPERCONDUCTIVITY	411	9.2%	544	8.7%	479	8.1%	468	8.4%	489	10.2%	19.0%
29	DIELECTRICS AND FERROELECTRICITY	310	6.9%	435	7.0%	525	8.9%	429	7.7%	301	6.3%	-2.9%
31	NANOSCALE SCIENCE AND DESIGN	762	17.0%	1,150	18.5%	975	16.5%	888	16.0%	801	16.7%	5.1%
33	ORGANIC ELECTRONICS AND PHOTONICS	0	0.0%	0	0.0%	0	0.0%	451	8.1%	345	7.2%	#DIV/0!
35	DEVICE PHYSICS	426	9.5%	701	11.2%	729	12.3%	477	8.6%	385	8.0%	-9.6%
37	BIOPHYSICS AND BIO-INSPIRED SYSTEMS	0	0.0%	0	0.0%	0	0.0%	0	0.0%	72	1.5%	#DIV/0!
39	APPLIED BIOPHYSICS	64	1.4%	93	1.5%	94	1.6%	74	1.3%	35	0.7%	-45.3%
41	INTERDISCIPLINARY AND GENERAL PHYSICS	288	6.4%	292	4.7%	297	5.0%	249	4.5%	220	4.6%	-23.6%
61	COMMENTS	36	0.8%	26	0.4%	33	0.6%	43	0.8%	33	0.7%	-8.3%
99	ERRATA	32	0.7%	53	0.9%	64	1.1%	73	1.3%	78	1.6%	143.8%
	TOTALS	4,481	100.0%	6,232	100.0%	5,915	100.0%	5,542	100.0%	4,792	100.0%	6.9%



Applied Physics Letters

Editorial Policies and Procedures

~1000 manuscripts received per month

~35%
rejected in editorial
pre-screening

~25%
rejected through
peer review in the
single-referee
process

~40%
Published

Acceptance Criteria:

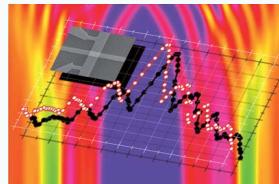
P R I N T

Physics Readability Interest Novelty Timeliness

- PHYSICS:** The submission should be original and contain sufficient physics, as opposed to mere recipes or fabrication.
- READABILITY:** Manuscripts must be written in correct American English. Papers that are judged to be below the standards for APL will be returned to the authors for rewriting and can be rejected for the language reason alone.
- INTEREST:** The submission should be interesting to the Applied Physics community.
- NOVELTY:** We aim at publishing papers that represent substantial advancement of established knowledge or that report significant novel development in applied physics. APL only publishes papers containing new results that have not been submitted elsewhere.
- TIMELINESS:** Is the paper especially important and timely enough to warrant rapid publication in Applied Physics Letters?

Editorially-Rejected Papers

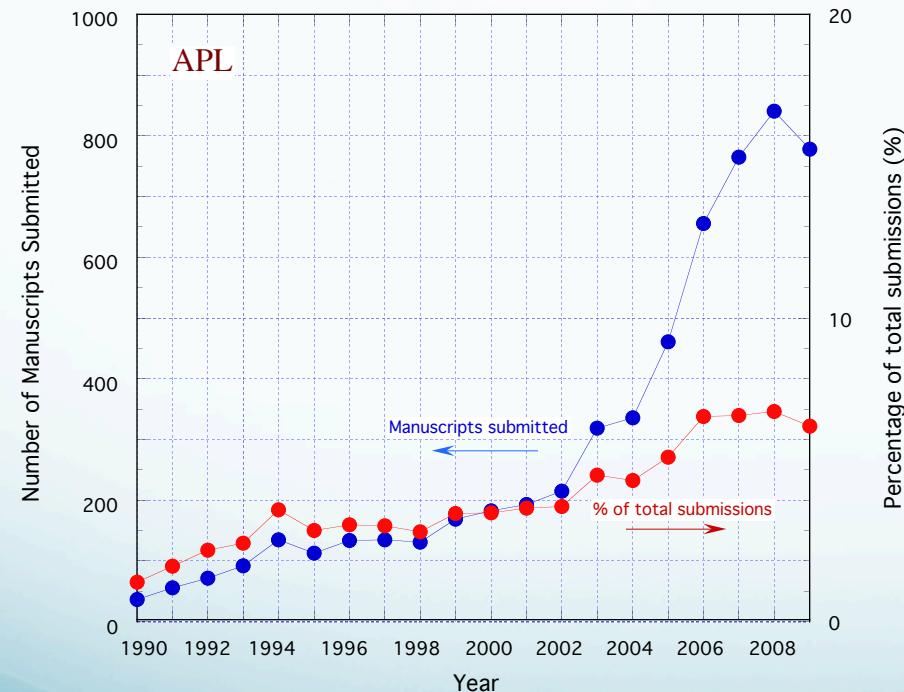
- **do not contain a strong component of new applied physics required for publication in APL.**
- **are less oriented towards the physics of a process than to its application.**
- **are less oriented towards the physics of a device than to its fabrication or manufacturing.**
- **focus on an experimental technique and contain little physics.**
- **do not meet the timeliness requirement (i.e., does not warrant rapid publication).**
- **do not meet our specific standard for substance, readability, and presentation.**
- **are unsuitable for publication in, and will not reach the most appropriate audience through, APL.**



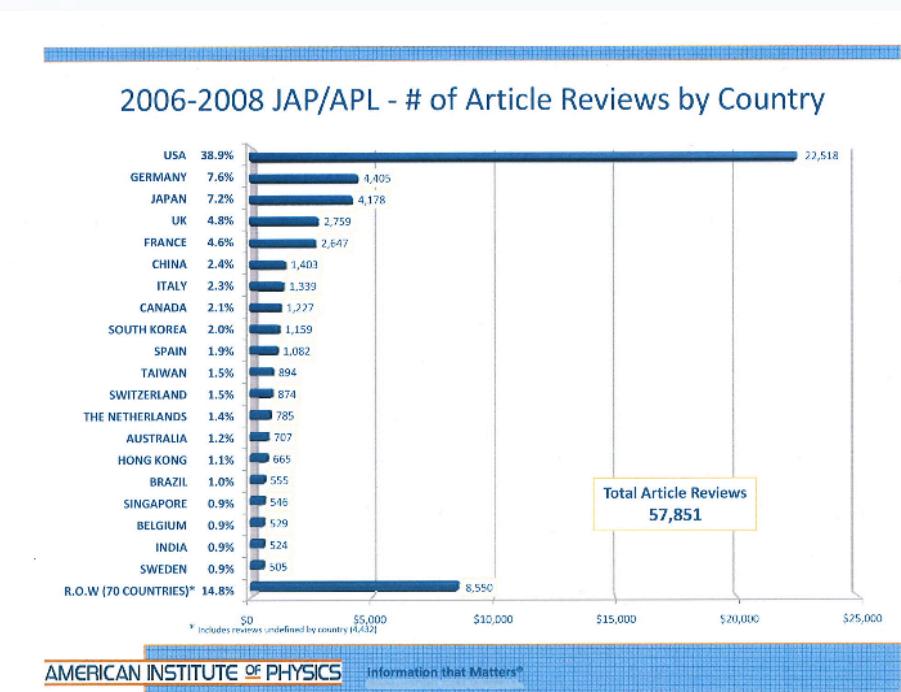
Urgent Need for Stronger Participation of Asian Researchers in the Review Process

Taiwanese authors contribute:

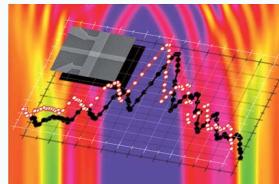
~6.7% of the submissions



1.5% of the refereeing



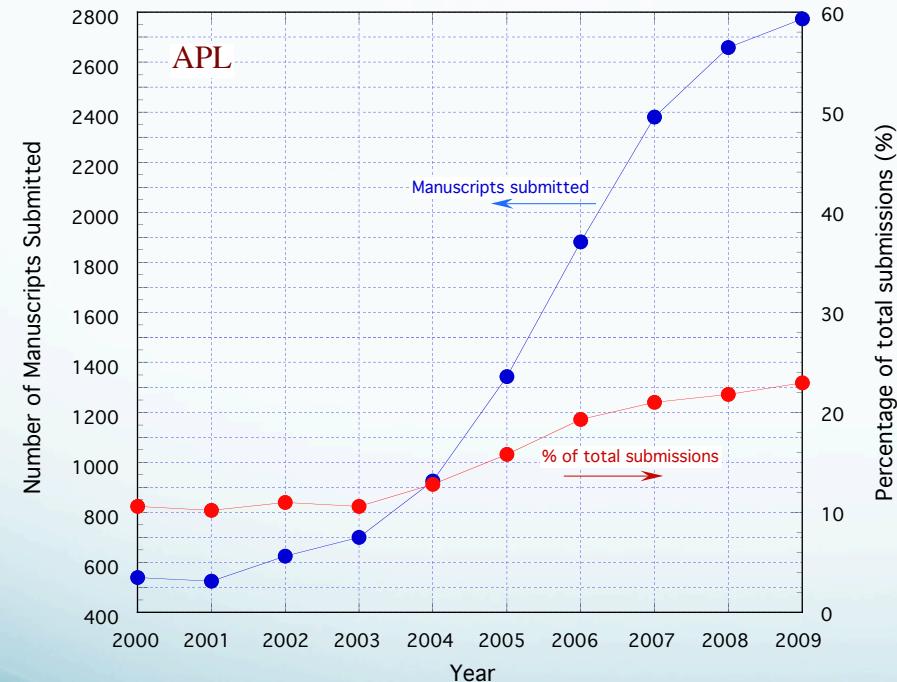
Our current effort is to spread the refereeing load more uniformly into Asia



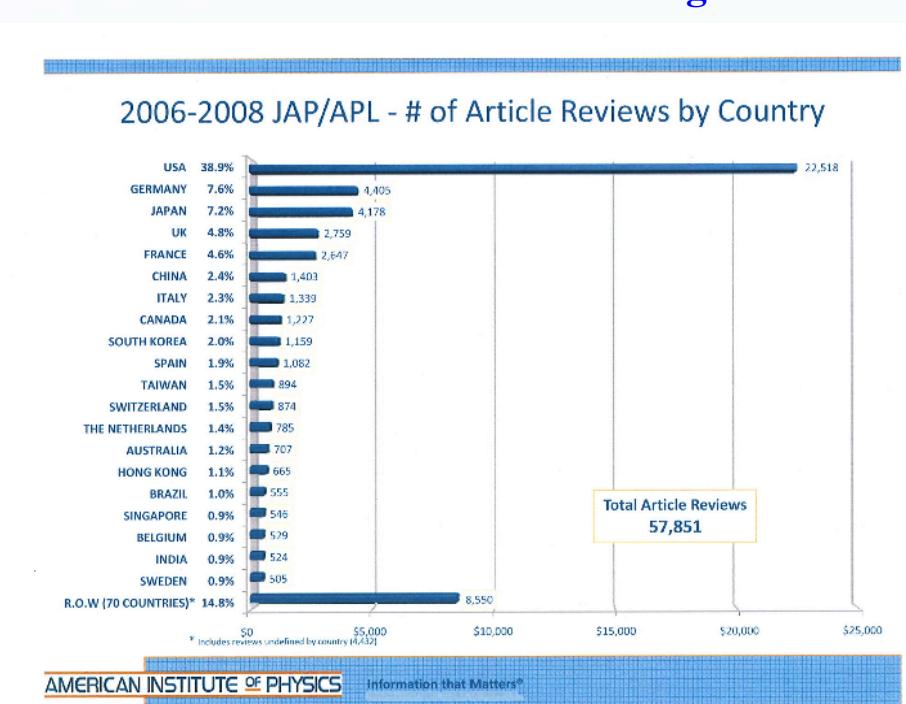
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Chinese authors contribute:

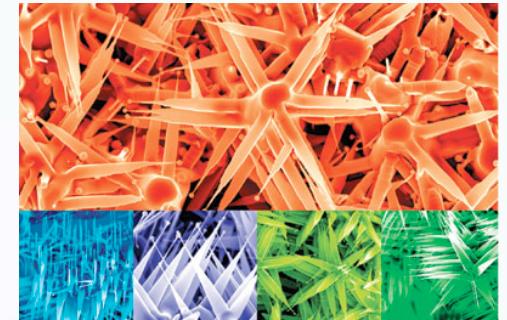
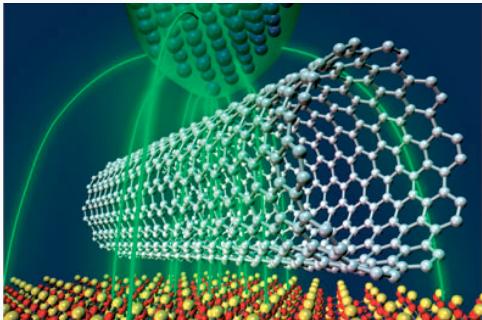
~22% of the submissions



2.4% of the refereeing



Our current effort is to spread the refereeing load more uniformly into Asia



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