



asterisk journals which cite *Biochemistry* most frequently. This journal obviously draws heavily on other biochemical journals in contrast to the *JACS*. The important biomedical journals, already identified in the top 1,000 journals of science, are also heavily drawn upon. Note how little the *JACS* refers to biochemical journals!

Recently we applied a technique of this kind, using our data bank, to obtain an improved list of "categories" for the journals we cover in the *Science Citation Index*® and also for *Current Contents*®. How would you decide which journals are "closer" or more "similar" when confronted with the information that the third most frequently cited journal in *Phytopathology* is not a botany journal but rather

*Virology*? Similarly, it may be surprising that fully 25% of the citations to *Aerospace Medicine* occur in the journal *Human Factors*, which is very rarely cited by *Aerospace Medicine*. This tells us something about the journal *Aerospace Medicine*, but perhaps also something about the ergonomic applicability of some of our space research.

Imagine all the permutations and combinations for 2,000 or more journals indexed in the *Science Citation Index*, no less the thousands of other journals which can be and are cited. ISI would like to make this information available to as many people as can use it. May we hear from you as to how you might use such data and in what form or arrangement you would prefer to see it?

1. Garfield, E. A basic journal collection; ISI lists the fifty most-cited scientific and technical journals. *Current Contents* No. 2, p. 3-5, January 12, 1972.
2. -----, The mystery of the transposed journal lists; wherein Bradford's Law of Scattering is generalized according to Garfield's Law of Concentration. *Current Contents* No. 31, p. 5-6, August 4, 1971.
3. Bradford, S.C. *Documentation*. (Washington, D.C., Public Affairs Press, 1950).
4. Citation counts were made, and journals ranked, by methods described in Reference 1, above.
5. Sokal, R.R. & Sneath P.H.A. *Principles of numerical taxonomy*, (San Francisco, W.H. Freeman, 1963).

## JOURNALS MOST-CITED BY JACS

Times Cited	Title
1. 14012	*Journal of the American Chemical Society
2. 1920	*Journal of the Chemical Society
3. 1472	*Journal of Organic Chemistry
4. 1376	*Tetrahedron Letters
5. 1036	Chemical Communications
6. 884	*Inorganic Chemistry
7. 820	*Journal of Physical Chemistry
8. 708	*Chemische Berichte
9. 620	*Canadian Journal of Chemistry
10. 568	*Angewandte Chemie
11. 500	*Tetrahedron
12. 400	*Transactions of the Faraday Society
13. 302	*Annalen der Chemie
14. 292	*Journal of Biological Chemistry
15. 252	Bulletin of the Chemical Society of Japan
16. 252	*Helvetica Chimica Acta
17. 240	*Analytical Chemistry
18. 236	*Acta Crystallographica
19. 228	*Accounts of Chemical Research
20. 224	*Chemical Reviews
21. 224	*Journal of Organometallic Chemistry
22. 216	*Acta Chemica Scandinavica
23. 208	Nature
24. 204	*Quarterly Reviews
25. 188	Chemistry and Industry
26. 184	Molecular Physics
27. 180	*Recueil des Travaux Chimiques des Pays-Bas
28. 152	*Biochemistry
29. 144	*Proceedings of the National Academy of Sciences of the United States
30. 140	*Journal of Inorganic and Nuclear Chemistry
31. 120	*Bulletin de la Societe Chimique de France
32. 112	Organic Synthesis
33. 112	Proceedings of the Chemical Society
34. 104	Proceedings of the Royal Society
35. 96	*Biochimica Biophysica Acta
36. 88	*Australian Journal of Chemistry
37. 84	*Biochemical Journal
38. 76	*Advances in Chemistry Series
39. 76	Discussions of the Faraday Society
40. 76	Progress in Physical and Organic Chemistry
41. 76	Gazzetta Chimica Italiana
42. 72	Photochemistry and Photobiology
43. 72	Science
44. 68	Advances in Physical and Organic Chemistry
45. 68	Advances in Organometallic Chemistry
46. 60	*Doklady Akademii Nauk SSSR
47. 60	Physical Review
48. 60	Zhurnal Obshchei Khimii
49. 56	*Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences
50. 56	Pure and Applied Chemistry

## JOURNALS MOST-CITED BY *BIOCHEMISTRY*

<b>Times Cited</b>	<b>Title</b>
1. 2836	*Journal of Biological Chemistry
2. 2204	*Biochemistry
3. 1384	*Journal of the American Chemical Society
4. 1260	*Biochimica Biophysica Acta
5. 1044	*Proceedings of the National Academy of Sciences of the United States
6. 724	*Biochemical Journal
7. 632	*Journal of Molecular Biology
8. 612	*Archives of Biochemistry and Biophysics
9. 540	*Biochemical and Biophysical Research Communications
10. 456	*Nature
11. 340	*Federation Proceedings
12. 312	*Science
13. 264	Methods in Enzymology
14. 184	Advances in Protein Chemistry
15. 184	*Analytical Biochemistry
16. 176	Analytical Chemistry
17. 160	*Journal of Chemical Physics
18. 144	*Annals of the New York Academy of Sciences
19. 136	Annual Review of Biochemistry
20. 132	Biochemische Zeitschrift
21. 128	Journal of the Chemical Society
22. 128	*Journal of Physical Chemistry
23. 124	Acta Chemica Scandinavica
24. 112	*Journal of Experimental Medicine
25. 108	Biophysical Journal
26. 104	*Journal of Immunology
27. 96	*Journal of Biochemistry
28. 92	*Hoppe-Seylers Zeitschrift für physiologische Chemie
29. 92	Cold Spring Harbor Symposia on Quantitative Biology
30. 88	*Journal of Bacteriology
31. 88	*Journal of Organic Chemistry
32. 88	Proceedings of the Royal Society
33. 84	*Biopolymers
34. 84	*European Journal of Biochemistry
35. 81	*Journal of Cell Biology
36. 81	*Journal of Clinical Investigation
37. 72	Chemical Communications
38. 68	Journal of General Physiology
39. 64	Advances in Enzymology
40. 64	Tetrahedron Letters
41. 56	Canadian Journal of Chemistry
42. 52	*Immunochemistry
43. 52	Journal of Lipid Research
44. 44	Chemische Berichte
45. 44	*Proceedings of the Society for Experimental Biology and Medicine
46. 40	Brookhaven Symposia in Biology
47. 40	*Endocrinology
48. 40	Helvetica Chimica Acta
49. 40	Journal of Medicinal Chemistry
50. 36	Journal of Neurochemistry