

FIA Bibliography (11)

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FIA-related papers appeared since 1984 have been compiled in this FIA Bibliography section. About 1250 papers were listed in the previous section (references 226-228, 342, 501, 598, 771, 953, 1100, and 1248). All papers in this section are numbered in series and shown with the titles in English. The readers are requested to send me the reprints of their FIA-related papers that have not yet been listed in this section.

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1248. FIA Bibliography (X)
T. Imato and H. Ohura, **J. Flow Injection Anal.**, 5, 141(1988).
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O.M. Alarcon, H. Cuicas, E. Rivas, J.L. Burguera and M. Burgu. **Acta Cient. Venez.**, 39, 130(1988).
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J.L. Burguera, M. Burguera, C. Rivas P., O.M. Alarcon and B. Ibarra de Diaz, **Acta Cient. Venez.**, 39, 224(1988).
1251. Flow injection analysis with spectrophotometric determination of amino acids with chloranil
M. Burguera, J.L. Burguera, D.D. Granado and O.M. Alarcon, **Acta Cient. Venez.**, 39, 323(1988).
1252. Automation of a flow injection analyzer with a Z80-based microcomputer
J. Alonso, M. Del Valle and J. Bartroli, **Afinidad**, 45, 249(1988).
1253. USEPA regulation of FIA methods for NPDES and NIPDWR monitoring of waters and wastes
C.B. Ranger, **Am. Lab.**, 20(9), 42(1988).
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1255. Determination of acetylcholine and choline by flow-injection with immobilized enzymes and fluorometric or luminometric detection
J. Rícný, J. Coupek and S. Tucek, **Anal. Biochem.**, 176, 221(1989).
1256. Determination of organomercury in biological reference materials by inductively coupled plasma mass spectrometry using flow injection analysis
D. Beauchemin, K.W.M. Siu and S.S. Berman, **Anal. Chem.**, 60, 2587(1988).
1257. Dispersion coefficient and moment analysis of flow injection analysis peaks
S.H. Brooks, D.V. Leff, M.A. Hernandez Torres and J.G. Dorsey, **Anal. Chem.**, 60, 2737(1988).
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E.B. Milosavljevic, L. Solujic, J.L. Hendrix and J.H. Nelson, **Anal. Chem.**, 60, 2791(1988).
1259. Nanoliter volume sequential differential concentration gradient detector
J. Pawliszyn, **Anal. Chem.**, 60, 2796(1988).
1260. Kinetics of solvent extraction-flow injection analysis
C.A. Lucy and F.F. Cantwell, **Anal. Chem.**, 61, 101(1989).
1261. Mechanism of extraction and band broadening in solvent extraction-flow injection analysis
C.A. Lucy and F.F. Cantwell, **Anal. Chem.**, 61, 107(1989).
1262. Fluorometric measurement of aqueous ammonium ion in a flow injection system
Z. Genfa and P.K. Dasgupta, **Anal. Chem.**, 61, 408(1989).
1263. Sorbent isolation and elution with an immiscible eluent in flow injection analysis
W. Lei, P.K. Dasgupta, J.L. Lopez and D.C. Olson, **Anal. Chem.**, 61, 496(1989).
1264. Determination of aqueous fluoride with a helium microwave-induced plasma and flow injection analysis
J.M. Gehlhausen and J.W. Carnahan, **Anal. Chem.**, 61, 674(1989).
1265. Characterization of an ion-selective electrode wall-jet detector for flow

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J.G. Douglas, **Anal. Chem.**, 61, 922(1989).
1266. Homogeneous and heterogeneous systems. Flow injection analysis today and tomorrow
J. Ruzicka and E.H. Hansen, **Anal. Chim. Acta**, 214, 1(1988).
1267. The theoretical and practical development of flow injection extraction
B. Karlberg, **Anal. Chim. Acta**, 214, 29(1988).
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J.F. Tyson, **Anal. Chim. Acta**, 214, 57(1988).
1270. Impulse/response functions of individual components of flow-injection manifolds
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T. Korenaga, F.-H. Shen, H. Yoshida, T. Takahashi and K.K. Stewart, **Anal. Chim. Acta**, 214, 97(1988).
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J.A. Sweileh and P.K. Dasgupta, **Anal. Chim. Acta**, 214, 107(1988).
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1278. Immobilized enzymes in clinical and biochemical analysis. Applications to the simultaneous determination of acetylcholine and choline and to determination of lipids
M. Masoom, **Anal. Chim. Acta**, 214, 173(1988).
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H.T. Tang, C.E. Lunte, H.B. Halsall and W.R. Heineman, **Anal. Chim. Acta**, 214, 187(1988).
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D.A. Whitman, G.D. Christian and J. Ruzicka, **Anal. Chim. Acta**, 214, 197(1988).
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K.K. Verma and K.K. Stewart, **Anal. Chim. Acta**, 214, 207(1988).
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M. Aoyagi, Y. Yasumasa and A. Nishida, **Anal. Chim. Acta**, 214, 229(1988).
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1285. Spectrophotometric flow-injection determination of sucrose and total reducing sugar in sugar-cane juice and molasses
I.L. Mattos, E.A.G. Zagatto and A.O. Jacintho, **Anal. Chim. Acta**, 214, 247(1988).
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T. Sakaki and N. Ohno, **Anal. Chim. Acta**, 214, 271(1988).
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X. Wu and W. Qi, **Anal. Chim. Acta**, 214, 279(1988).
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S. Motomizu and M. Onoda, **Anal. Chim. Acta**, 214, 289(1988).
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1291. Determination of octanol/water partition coefficients by flow injection analysis
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1292. Lead preconcentration with flow injection for flame atomic absorption spectrometry
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C.E. Adeeyinwo and J.F. Tyson, **Anal. Chim. Acta**, 214, 339(1988).
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N. Ishibashi, T. Imato, H. Ohura and S. Yamasaki, **Anal. Chim. Acta**, 214, 349(1988).
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- F. Canete, A. Rios, M.D. Luque de Castro and M. Valcarcel, **Anal. Chim. Acta**, 214, 375(1988).
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K.A. McGowan and G.E. Pacey, **Anal. Chim. Acta**, 214, 391(1988).
1300. On-line electrolytic dissolution of alloys in flow injection analysis.
Part 2. Spectrophotometric determination of molybdenum in steels
H. Bergamin F, F.J. Krug, B.F. Reis, J.A. Nobrega, M. Mesquita and
I.G. Souza, **Anal. Chim. Acta**, 214, 397(1988).
1301. An automated spectrophotometric field monitor for water quality
parameters. Determination of ammonia
J.R. Clinch, P.J. Worsfold and F.W. Sweeting, **Anal. Chim. Acta**, 214,
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1302. Flow-injection determination of inorganic pyrophosphate with use of an
enzyme thermistor containing immobilized inorganic pyrophosphatase
I. Satoh and T. Ishii, **Anal. Chim. Acta**, 214, 409(1988).
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1304. Determination of zinc and cadmium in small amounts of biological
tissues by microwave-assisted digestion and flow injection atomic
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with chemiluminescence detection
J.L. Burguera and M. Burguera, **Anal. Chim. Acta**, 214, 429(1988).
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zirconium/alizarin red S complex
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M. Akiba and S. Motomizu, **Anal. Chim. Acta**, 214, 455(1988).
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E. Figuerola, A. Florido, M. Aguilar, J. De Pablo and S. Alegret, **Anal. Chim. Acta**, 215, 283(1988).
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G. den Boef, **Anal. Chim. Acta**, 216, 289(1989).
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D.T. Burns, N. Chimpalee and M. Harriott, **Anal. Chim. Acta**, 217, 177(1989).

1319. Flow-injection extraction-spectrophotometric determination of permanganate with the ethylene-bis(triphenylphosphonium) cation
D.T. Burns, N. Chimpalee, M. Harriott and G.M. McKillen, *Anal. Chim. Acta*, **217**, 183(1989).
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A.M. Almuaibed and A. Townshend, *Anal. Chim. Acta*, **218**, 1(1989).
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N. Kiba, S. Hori and M. Furusawa, *Anal. Chim. Acta*, **218**, 161(1989).
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A.M. Almuabed and A. Townshend, **Anal. Proc. (London)**, **26**, 56(1989).
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S. Kawakubo, T. Katsumata, M. Iwatsuki, T. Fukasawa and T. Fukasawa, **Analyst (London)**, 113, 1827(1988).
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T. Yamane and M. Kamijyo, **Bunseki Kagaku**, 38, 46(1989).
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M. Ishii, N. Ohkuo, T. Baba, M. Yamada and S. Suzuki, **Bunseki Kagaku**, 38, 53(1989).

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TOPICS IN FIA BIBLIOGRAPHY

FLOW ANALYSIS IV

Papers presented at Flow Analysis IV(*Anal. Chim. Acta*, **214**) were compiled in this section (refs. 1266-1309).

ION CHROMATOGRAPHY(IC) -A rival of FIA ?

Two names of new analytical methods, IC and FIA, were introduced in 1975. Each method has been one of the fastest growing areas of analytical method in recent years as shown in Fig. 1(*Am. Lab.*, **20**(10), 82(1988); "Flow Injection Analysis, 2nd ed.", and *FIA Bibliography (I)-(X)*).

CITATION RANKING

Hungarian chemists' letter(*Anal. Chem.*, **61**(8), 526A(1989)) displayed interesting data on citation ranking of 30 analytical chemistry journals according to their average citation rate for the five-year period of 1981-1985. Table I lists ten journals which often appear in this bibliography section.

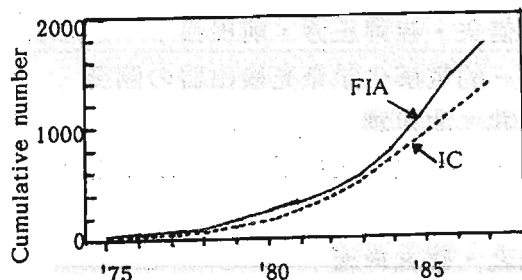


Fig.1. Journal references to ion chromatography(IC) and flow injection analysis(FIA), 1975-1987.

Table I. Citation ranking of analytical chemistry journals (1981-1985)

Rank	Journal	Citations per paper
1	Analytical Chemistry	5.55
3	Journal of Chromatography	4.14
7	Analytica Chimica Acta	3.01
11	The Analyst	2.34
14	Talanta	2.07
16	Analytical Letters A	1.61
22	Mikrochimica Acta	1.11
24	Bunseki Kagaku	0.98
25	Microchemical Journal	0.97
29	Afinidad	0.40