

FIA Bibliography (58)

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FIA-related papers and monographs which appeared since 1984 have been compiled in this bibliography. All papers are numbered in series and shown with the titles in English.

12429. FIA Bibliography (57)
Iida, Y.
J. Flow Injection Anal. **29**, 34-44 (2012).
12430. Voltammetric and amperometric determination of metoclopramide on boron-doped diamond film electrode
Dejmekova, H.; Dag, C.; Barek, J.; Zima, J.
Cent. Eur. J. Chem. (2012), **10**(4), 1310-1317.
12431. Valveless gated injection for microfluidic chip-based liquid chromatography system with polymer monolithic column
Wang, X.-L.; Zhu, Y.; Fang, Q.
J. Chromatogr. A (2012), **1246**, 123-128.
12432. Use of solid phase extraction for the sequential injection determination of alkaline phosphatase activity in dynamic water systems
Santos, I. C.; Mesquita, R. B. R.; Bordalo, A. A.; Rangel, A. O. S. S.
Talanta (2012), **98**, 203-210.
12433. Use of Potentiometric Sensors To Study (Bio)molecular Interactions
De Wael, K.; Daems, D.; Van Camp, G.; Nagels, L. J.
Anal. Chem. (2012), **84**, 4921-4927.
12434. Unmodified Multi-Walled Carbon Nanotubes as Sorbent Material in Flow Injection on-Line Sorbent Extraction Preconcentration System for Cadmium Determination by Flame Atomic Absorption Spectrometry
Anthemidis, A. N.; Paschalidou, M.
Anal. Lett. (2012), **45**, 1098-1110.
14435. Ultra-trace determination of mercury in river waters after online UV digestion of humic matter
Leopold, K.; Zierhut, A.; Huber, J.
Anal. Bioanal. Chem. (2012), **403**, 2419-2428.
12436. Ultra-High-Sensitive Extraction-Photometric Determination of Sodium Ion Using Flow Injection Analysis with a Chromogenic Calix[4]arene Derivative and a Laser Interferometric Photothermal Detector
Tsuda, D.; Nakahara, Y.; Machitani, K.; Kannaka, Ma.; Takahashi, E.; Kimura, K.
Anal. Chem. (2012), **84**, 3710-3715.
12437. Tyrosinase biosensor for benzoic acid inhibition-based determination with the use of a flow-batch monosegmented sequential injection system
Kochana, J.; Kozak, J.; Skrobisz, A.; Wozniakiewicz, M.
Talanta (2012), **96**, 147-152.
12438. Trace Rare Earth Element Detection in Food and Agricultural Products Based on Flow Injection Walnut Shell Packed Microcolumn Preconcentration Coupled with Inductively Coupled Plasma Mass Spectrometry
Li, Y.; Yang, J.-l.; Jiang, Y.
J. Agricul. Food Chem. (2012), **60**, 3033-3041.
12439. Towards the development of a miniaturized fiberless optofluidic biosensor for glucose
Cocovi-Solberg, D. J.; Miro, M.; Cerda, V.; Pokrzywnicka, M.; Tymecki, L.; Koncki, R.
Talanta (2012), **96**, 113-120.
12440. The role of electroanalytical techniques in analysis of polyphenols in wine
Arribas, A. S.; Martinez-Fernandez, M.; Chicharro, M.
TrAC-Trends Anal. Chem. (2012), **34**, 78-96.
12441. Tetracycline immobilization as hydroquinone derivative at dissolved oxygen reduction potential on multiwalled carbon nanotube
Kumar, A. S.; Sornambikai, S.; Venkatesan, S.; Chang, J.-L.; Zen, J.-M.
J. Electrochem. Soc. (2012), **159**, G137-G145.
12442. Teaching Single-Cell Digital Analysis Using Droplet-Based Microfluidics
Najah, M.; Griffiths, A. D.; Ryckelynck, M.
Anal. Chem. (2012), **84**, 1202-1209.
12443. Surface-enhanced Raman scattering (SERS) optrodes for multiplexed on-chip sensing of Nile blue A and oxazine 720
Fan, M.; Wang, P.; Escobedo, C.; Sinton, D.; Brolo, A. G.
Lab Chip (2012), **12**, 1554-1560.
12444. Surface-doped carbon nanoparticles sense gas-induced pH changes
Bin Ibrahim, N.; Lawrence, K.; James, T. D.; Xia, F.; Pan, M.; Mu, S.; Mitchels, J. M.; Marken, F.
Sens. Actuator B-Chem (2012), **161**, 184-190.
12445. Surface redox-mediated dihydronicotinamide adenine dinucleotide probes based on ionic liquids covalently bound with catechol functionality
Wang, S.-M.; Cheng, H.-H.; Lai, K.-F.; Cheng, S.-H.
Electrochim. Acta (2012), **77**, 330-338.
12446. Surface plasmon resonance biosensor for the detection of VEGFR-1-a protein marker of myelodysplastic syndromes
Pimkova, K.; Bockova, M.; Hegnerova, K.; Suttner, J.; Cermak, J.; Homola, J.; Dyr, J. E.
Anal. Bioanal. Chem. (2012), **402**, 381-387.
12447. Study on the luminescence behavior of sulfolbutylether- β -cyclodextrin with risperidone and its analytical application
Wu, M.; Chen, D.; Song, Z.
Spectrochim. Acta A Mol. Biomol. Spectrosc. (2012), **96**, 1-9.
12448. Study on the interaction behavior of catalase with cephalosporins by chemiluminescence with flow injection analysis
By Chen, D.; Wang, Z.; Zhang, Y.; Xiong, X.; Song, Z.
Anal. Methods (2012), **4**, 1485-1487.
12449. Stimulation and inhibition of bacterial growth by caffeine dependent on chloramphenicol and a phenolic uncoupler—a ternary toxicity study using microfluidic segment technique
Cao, J.; Kursten, D.; Schneider, S.; Kohler, J. M.
J. Biomed. Nanotechnol. (2012), **8**, 770-8.
12450. Stepwise injection spectrophotometric determination of epinephrine
Bulatov, A. V.; Petrova, A. V.; Vishnikin, A. B.; Moskvina, A. L.; Moskvina, L. N.
Talanta (2012), **96**, 62-67.
12451. Spectrophotometric determination of residual chlorine in tap water using alternative simultaneous injection/effective mixing analysis system
Ando, S.; Teshima, N.; Sakai, T.; Motomizu, S.
Bunseki Kagaku (2012), **61**, 115-121.

12452. Smart portable electrophoresis instrument based on multipurpose microfluidic chips with electrochemical detection
Fernandez-la-Villa, A.; Sanchez-Barragan, D.; Pozo-Ayuso, D. F.; Castano-Alvarez, M.
Electrophoresis (2012), **33**, 2733-2742.
12453. Simultaneous separations of cations and anions by capillary electrophoresis with contactless conductivity detection employing a sequential injection analysis manifold for flexible manipulation of sample plugs
Mai, T. D.; Hauser, P. C.
J. Chromatogr. A (2012), **1267**, 266-272.
12454. Simultaneous injection effective mixing flow analysis of urinary albumin using dye-binding reaction
Ratanawimarnwong, N.; Ponghong, K.; Teshima, N.; Nacapricha, D.; Grudpan, K.; Sakai, T.; Motomizu, S.
Talanta (2012), **96**, 50-54.
12455. Simultaneous determination of vanadium(IV) and vanadium(V) by flow injection analysis using kinetic spectrophotometry with Xylenol Orange
Oguma, K.; Yoshioka, O.; Noro, J.; Sakurai, H.
Talanta (2012), **96**, 44-49.
12456. Simple spectrophotometric sequential injection analysis system for determination of serum calcium
Boonyasit, Y.; Chinvongamorn, C.; Chailapakul, O.; Laiwattanapaisal, W.
Am. J. Anal. Chem. (2012), 3(2), 131-137.
12457. Simple flow injection for screening of total antioxidant capacity by amperometric detection of DPPH radical on carbon nanotube modified-glassy carbon electrode
Amatongchai, M.; Laosing, S.; Chailapakul, O.; Nacapricha, D.
Talanta (2012), **97**, 267-272.
12458. Signal-to-noise ratio enhancement of the compact light-emitting diode-induced fluorescence detector
Geng, X.; Wu, D.; Wu, Q.; Guan, Y.
Talanta (2012), **100**, 27-31.
12459. Seventeenth International Conference on Flow Injection Analysis
Koscielniak, P.; Kozak, J.
Talanta (2012), **96**, 1-2.
12460. Sequential Local Injection of Low-Dose Interferon-Beta for Maintenance Therapy in Stage II and III Melanoma: A Single-Institution Matched Case-Control Study
Aoyagi, S.; Hata, H.; Homma, E.; Shimizu, H.
Oncology (2012), 82(3), 139-146.
12461. Sequential injection system exploring the standard addition method for phosphate determination in high salinity samples: interstitial, transitional and coastal waters
Mesquita, R. B. R.; Santos, I. C.; Bordalo, A. A.; Rangel, A. O. S. S.
Anal. Methods (2012), **4**, 1452-1457.
12462. Sequential injection spectrophotometric system for evaluation of mushroom tyrosinase-inhibitory activity
Moonrungrsee, N.; Shimamura, T.; Kashiwagi, T.; Jakmunee, J.; Higuchi, K.; Ukeda, H.
Talanta (2012), **101**, 233-239.
12463. Sequential injection ionic liquid dispersive liquid-liquid microextraction for thallium preconcentration and determination with flame atomic absorption spectrometry
Anthemidis, A. N.; Ioannou, K.-I. G.
Anal. Bioanal. Chem. (2012), **404**, 685-691.
12464. Sequential injection analysis: a useful analytical tool in drug dissolution testing
Tzanavaras, P. D.
Pharm. Anal. Acta (2012), 3(5), e114.
12465. Sensor arrays and electronic tongue systems
del Valle, M.
Int. J. Electrochem. (2012), 986025, 11 pp..
12466. Sensitivity enhancement of a miniaturized surface plasmon resonance sensor using combination of self-assembled monolayer and protein G
Sin, E. J.; Lim, J.-O.; Sohn, Y.-S.
Nanosci. Nanotechnol. Lett. (2012), 4(8), 821-826.
12467. Sensitive determination of chromium (VI) in paint samples using a membrane optode coupled to a multisyringe flow injection system
Castilleja-Rivera, W. L.; Hinojosa-Reyes, L.; Guzman-Mar, J. L.; Hernandez-Ramirez, A.; Ruiz-Ruiz, E.; Cerda, V.
Talanta (2012), **99**, 730-736.
12468. Selenium adsorption and speciation with Mg-FeCO₃ layered double hydroxides loaded cellulose fiber
Chen, M.-L.; An, M.-I.
Talanta (2012), **95**, 31-35.
12469. Selective light-triggered chemiluminescence between fluorescent dyes and luminol, and its analytical application
Ma, M.; Diao, F.; Zheng, X.; Guo, Z.
Anal. Bioanal. Chem. (2012), **404**, 585-592.
12470. Selective determination of metformin in urine sample based on molecularly imprinted polymer-chemiluminescence sensor
Xiong, Y.; Huang, Y.; Ye, Z.; Chen, C.; Zhang, Z.
Adv. Mat. Res. (2012), **550-553**, 798-801.
12471. Selection of Pharmaceutical Antioxidants by Hydrodynamic Voltammetry
Webster, G. K.; Craig, R. A.; Pommerening, C. A.; Acworth, I. N.
Electroanalysis (2012), **24**, 1394-1400.
12472. Review on recent applications of the liquid waveguide capillary cell in flow based analysis techniques to enhance the sensitivity of spectroscopic detection methods
Pascoa R. N. M. J.; Toth I. V.; Rangel A. O. S. S.
Anal. Chim. Acta (2012), 7391-13,
12473. Reverse flow-injection analysis
Mansour, F. R.; Danielson, N. D.
TrAC-Trends Anal. Chem. (2012), **40**, 1-14.
12474. Recent advances and future prospects of mesofluidic Lab-on-a-Valve platforms in analytical sciences - A critical review
Miro, M.; Hansen, E. H.
Anal. Chim. Acta (2012), **750**, 3-15.
12475. Real time culture and analysis of embryo metabolism using a microfluidic device with deformation based actuation
Heo, Y. S.; Cabrera, L. M.; Bormann, C. L.; Smith, G. D.; Takayama, S.
Lab Chip (2012), **12**, 2240-2246.
12476. Quantitative screening and resolution of carbamic and organophosphate pesticides mixture in extra virgin olive oil by acetylcholinesterase-choline oxidase sensor
Albanese, D.; Di Matteo, M.; Pilloton, R.
J. Environ. Sci. Eng. A (2012), 1(1), 68-77.
12477. Quantitative Real-Time Monitoring of Chemical Reactions by Autosampling Flow Injection Analysis Coupled with Atmospheric Pressure Chemical Ionization Mass Spectrometry
Zhu, Z.; Bartmess, J. E.; McNally, M. E.; Hoffman, R. M.; Cook, K. D.; Song, L.
Anal. Chem. (2012), **84**, 7547-7554.
12478. Quantitative investigation of resolution increase of free-flow electrophoresis via simple interval sample injection and separation
Shao, J.; Fan, L.-Y.; Cao, C.-X.; Huang, X.-Q.; Xu, Y.-Q.
Electrophoresis (2012), **33**, 2065-2074.

12479. Putrescine biosensor based on putrescine oxidase from *Kocuria rosea*
Boka, B.; Adanyi, N.; Szamos, J.; Virag, D.; Kiss, A.
Enzyme and Microbial Technology (2012), 51(5), 258-262.
12480. Potentiometric determination of tolterodine in batch and flow injection conditions
Sakr, M. M.; El Nashar, R. M.
Talanta (2012), **96**, 153-160.
12481. Potentiometric determination of imatinib under batch and flow injection analysis conditions
Abdel Karim, S. E.; El-Nashar, R. M.; Abadi, A. H.
Int. J. Electrochem. Sci. (2012), **7**, 9668-9681.
12482. Portable and remote electrochemical sensing system for detection of tricresyl phosphate in gas phase
Yang, X.; Zitova, A.; Kirsch, J.; Fergus, J. W.; Overfelt, R. A.; Simonian, A. L.
Sens. Actuator B-Chem (2012), **161**, 564-569.
12483. Photometric determination of phosphorus in mineralized biodiesel using a micro-flow-batch analyzer with solenoid micro-pumps
Lima, M. B.; Barreto, I. S.; Andrade, S. I. E.; Neta, M. S. S.; Almeida, L. F.; Araujo, M. C. U.
Talanta (2012), **98**, 118-122.
12484. Photogenerated lectin sensors produced by thiol-ene/yne photo-click chemistry in aqueous solution
Norberg, O.; Lee, I. H.; Aastrup, T.; Yan, M.; Ramstroem, O.
Biosens. Bioelectron. (2012), **34**, 51-56.
12485. Photoactivation by visible light of CdTe quantum dots for inline generation of reactive oxygen species in an automated multipumping flow system
Ribeiro, D. S. M.; Frigerio, C.; Santos, J. L. M.; Prior, J. A. V.
Anal. Chim. Acta (2012), **735**, 69-75.
12486. Photo-actuation of liquids for light-driven microfluidics: state of the art and perspectives
Baigl, D.
Lab Chip (2012), **12**, 3637-3653.
12487. Paramagnetic particles coupled with an automated flow injection analysis as a tool for influenza viral protein detection
Krejcová, L.; Dospivová, D.; Ryvolová, M.; Kopel, P.; Hynek, D.; Krizkova, S.; Hubalek, J.; Adam, V.; Kizek, R.
Electrophoresis (2012), **33**, 3195-3204.
12488. Paper-Based Enzyme Immobilization for Flow Injection Electrochemical Biosensor Integrated with Reagent-Loaded Cartridge toward Portable Modular Device
Tan, S. N.; Ge, L.; Tan, H. Y.; Loke, W. K.; Gao, J.; Wang, W.
Anal. Chem. (2012), **84**, 10071-10076.
12489. On-line preconcentration/determination of zinc from water, biological and food samples using synthesized chelating resin and flame atomic absorption spectrometry
Yilmaz, S.; Tokalioglu, S.; Sahan, S.; Ulgen, A.; Sahan, A.; Soykan, C.
J. Trace Elem. Med. Biol. (GMS) (2012),
12490. On-line preconcentration and determination of lead and cadmium by sequential injection/anodic stripping voltammetry
Ninwong, B.; Chuanuwatanakul, S.; Chailapakul, O.; Dungchai, W.; Motomizu, S.
Talanta (2012), **96**, 75-81.
12491. On-line extractive separation in flow injection analysis based on polymer inclusion membranes: A study on membrane stability and approaches for improving membrane permeability
Zhang, L. L.; Cattrall, R. W.; Ashokkumar, M.; Kolev, S. D.
Talanta (2012), **97**, 382-387.
12492. On-line cleavage of disulfide bonds by soluble and immobilized tris-(2-carboxyethyl)phosphine using sequential injection analysis
Tzanavaras, P. D.; Mitani, C.; Anthemidis, A.; Themelis, D. G.
Talanta (2012), **96**, 21-25.
12493. Oligonucleotide-functionalized silver nanoparticle extraction and laser-induced fluorescence for ultrasensitive detection of mercury(II) ion
Wu, Z.-H.; Lin, J.-H.; Tseng, W.-L.
Biosens. Bioelectron. (2012), **34**, 185-190.
12494. Novel sensors for batch and flow injection analysis of histamine based on crown ethers
Elmosallamy, M. A. F.
Electroanalysis (2012), **24**, 1226-1235.
12495. Novel on-line sequential preconcentration system of Cr(III) and Cr(VI) hyphenated with flame atomic absorption spectrometry exploiting sorbents based on chemically modified silica
Tarley, C. R. T.; Lima, G. F.; Nascimento, D. R.; Assis, A. R. S.; Ribeiro, E. S.; Diniz, K. M.; Bezerra, M. A.; Segatelli, M. G.
Talanta (2012), **100**, 71-79.
12496. Novel multi walled carbon nanotubes/ β -cyclodextrin based carbon paste electrode for flow injection potentiometric determination of piroxicam
Khaled, E.; Kamel, M. S.; Hassan, H. N. A.; Haroun, A. A.; Youssef, A. M.; Aboul-Enein, H. Y.
Talanta (2012), **97**, 96-102.
12497. Non-enzymatic amperometric sensor for hydrogen peroxide based on a biocomposite made from chitosan, hemoglobin, and silver nanoparticles
Tian, L.; Feng, Y.; Qi, Y.; Wang, B.; Chen, Y.; Fu, X.
Microchim. Acta (2012), **177**, 39-45.
12498. New approach to Tian's equation applied to heat conduction and liquid injection calorimeters
Jesus, C.; Socorro, F.; Rodriguez de Rivera, M.
Journal of Thermal Analysis and Calorimetry (2012), 110(3), 1523-1532.
12499. Nanoscale Plasmonic Interferometers for Multispectral, High-Throughput Biochemical Sensing
Feng, J.; Siu, V. S.; Roelke, A.; Mehta, V.; Rhieu, S. Y.; Palmore, G. T. R.; Pacifici, D.
Nano Letters (2012), 12(2), 602-609.
12500. Multivariate optimization on flow-injection electrochemical hydride generation atomic absorption spectrometry of cadmium
Arbab-Zavar, M. H.; Chamsaz, M.; Youssefi, A.; Aliakbari, M.
Talanta (2012), **97**, 229-234.
12501. Multivariate optimization of mercury determination by flow injection-cold vapor generation-inductively coupled plasma optical emission spectrometry
Goncalves dos Santos, V. C.; Grassi, M. T.; Soares de Campos, M.; Peralta-Zamora, P. G.; Abate, G.
Analyst (2012), **137**, 4458-4463.
12502. Multipumping flow systems devoid of computer control for process and environmental monitoring
Horstkotte, B.; Duarte, C. M.; Cerda, V.
Int. J. Environ. Anal. Chem. (2012), **92**, 344-354.
12503. Multi-response optimization of sequential injection chromatographic method for determination of lisinopril and hydrochlorothiazide
Idris, A. M.; Naheid, S. A.; Elgorashe, R. E. E.; Eltayeb, M. A. H.; Alnajjar, A. O.
Anal. Methods (2012), **4**, 2081-2087.
12504. Morin functionalized Merrifield's resin: A new material

- for enrichment and sensing heavy metals
Pina-Luis, G.; Rosquete Pina, G. A.; Valdes Gonzalez, A. C.; Teran, A. O.; Espejel, I. R.; Diaz-Garcia, M. E. *Reactive & Functional Polymers* (2012), **72**(1), 61-68.
12505. Monolithic columns in flow analysis: a review of sic and msc techniques
Fernandez, M.; Forteza, R.; Cerda, V. *Instrum. Sci. Technol.* (2012), **40**, 90-99.
12506. Molecularly imprinted polymer-chemiluminescence sensor detect phenolamine in urine sample
Huang, Y.; Xiong, Y.; Ye, Z.; Zhang, Z. *Adv. Mat. Res.* (2012), **554-556**, 1841-1844.
12507. Modified mesoporous silica materials for on-line separation and preconcentration of hexavalent chromium using a microcolumn coupled with flame atomic absorption spectrometry
Wang, Z.; Fang, D.-M.; Li, Q.; Zhang, L.-X.; Qian, R.; Zhu, Y.; Qu, H.-Y.; Du, Y.-P. *Anal. Chim. Acta* (2012), **725**, 81-86.
12508. Modification of electrospun nylon nanofibers using layer-by-layer films for application in flow injection electronic tongue: Detection of paraoxon pesticide in corn crop
Oliveira, J. E.; Scagion, V. P.; Grassi, V.; Correa, D. S.; Mattoso, L. H. C. *Sens. Actuator B-Chem* (2012), **171-172**, 249-255.
12509. Miniaturized ionophore-based potentiometric sensors for the flow-injection determination of metformin in pharmaceutical formulations and biological fluids
Khaled, E.; Kamel, M. S.; Hassan, H. N.; Abd El-Alim, S. H.; Aboul-Enein, H. Y. *Analyst* (2012), **137**, 5680-5687.
12510. Miniaturised free flow isotachopheresis of bacteria using an injection moulded separation device
Prest, J. E.; Baldock, S. J.; Fielden, P. R.; Goddard, N. J.; Goodacre, R.; O'Connor, R.; Treves Brown, B. J. *J. Chromatogr. B* (2012), **903**, 53-59.
12511. Microfluidics and the life sciences
Becker, H.; Gartner, C. *Science progress* (2012), **95**(Pt 2), 175-98.
12512. Microfluidic, Label-Free Enrichment of Prostate Cancer Cells in Blood Based on Acoustophoresis
Augustsson, P.; Magnusson, C.; Nordin, M.; Lilja, H.; Laurell, T. *Anal. Chem.* (2012), **84**, 7954-7962.
12513. Microemulsion-enhanced electrochemiluminescence of luminol-H₂O₂ for sensitive flow injection analysis of antioxidant compounds
Wei, X.; Liu, C.; Tu, Y. *Talanta* (2012), **94**, 289-294.
12514. MCM-41-NH₂ as an advanced nanocatalyst for electrooxidation and determination of amino acids
Hasanzadeh, M.; Shadjou, N.; Chen, S.-T.; Sheikhzadeh, P. *Catalysis Communications* (2012), **19**, 21-27.
12515. Magnetic graphene nanosheets based electrochemiluminescence immunoassay of cancer biomarker using CdTe quantum dots coated silica nanospheres as labels
Liu, F.; Zhang, Y.; Ge, S.; Lu, J.; Yu, J.; Song, X.; Liu, S. *Talanta* (2012), **99**, 512-519.
12516. Magnetic beads-based electrochemiluminescence immunosensor for determination of cancer markers using quantum dot functionalized PtRu alloys as labels
Zhang, Y.; Ge, S.; Wang, S.; Yan, M.; Yu, J.; Song, X.; Liu, W. *Analyst* (2012), **137**, 2176-82.
12517. Label-free amperometric detection of albumin with an oil/water-type flow cell for urine protein analysis
Matsui, R.; Sakaki, T.; Osakai, T. *Electroanalysis* (2012), **24**, 1164-1169.
12518. Lab-on-a-chip platforms from sample preparation via continuous-flow PCR to an ultrafast detection of B-agents
Klemm, R.; Becker, H.; Hlawatsch, N.; Gaertner, C. *Proceedings of SPIE* (2012), 8367, 83670D/1-83670D/6.
12519. Indirect method for spectrophotometric determination of ascorbic acid in pharmaceutical preparations with 2,4,6-tripyridyl-s-triazine by flow-injection analysis
Kukoc-Modun, L.; Biocic, M.; Radic, N. *Talanta* (2012), **96**, 174-179.
12520. Highly sensitive chemiluminescence determination of tenoxicam using a cerium(IV)-sodium hyposulphite system in micellar medium
Chen, S.; Zhao, F. *Luminescence* (2012), **27**, 279-284.
12521. Highly sensitive and rapid flow-injection fluorometric determination of lipid hydroperoxide in human sebum
Ogura, Y.; Koyama, J.; Fukuhara, T. *Bunseki Kagaku* (2012), **61**, 397-401.
12522. High-throughput Ru(III) analysis using the hydrothermal flow reactor-mediated FIA by the extreme acceleration of Ru(III) complexation with 1,10-phenanthroline
Kawamura, K.; Nakai, T.; Ikoma, K.; Hisamoto, H. *Talanta* (2012), **99**, 415-419.
12523. Hand-held syringe as a portable plastic pump for on-chip continuous-flow PCR: miniaturization of sample injection device
Wu, W.; Trinh, K. T. L.; Lee, N. Y. *Analyst* (2012), **137**, 983-990.
12524. Green chemistry and the evolution of flow analysis. A review
Melchert, W. R.; Reis, B. F.; Rocha, F. R. P. *Anal. Chim. Acta* (2012), 7148-19
12525. Green analytical chemistry and flow injection methodologies
Martinez, L. D.; Cerutti, S.; Gil, R. A. *Handbook of Green Analytical Chemistry* (2012), 321-338.
12526. Graphene-carbon paste electrode for cadmium and lead ion monitoring in a flow-based system
Wonsawat, W.; Chuanuwatanakul, S.; Dungchai, W.; Punrat, E.; Motomizu, S.; Chailapakul, O. *Talanta* (2012), **100**, 282-289.
12527. Gold nanoparticles formation via gold(III) chloride complex ions reduction with glucose in the batch and in the flow microreactor systems
Paclawski, K.; Streszewski, B.; Jaworski, W.; Luty-Blocho, M.; Fitzner, K. *Colloids and Surfaces, A* (2012), **413**, 208-215.
12528. Generation of femtoliter reactor arrays within a microfluidic channel for biochemical analysis
Ota, S.; Kitagawa, H.; Takeuchi, S. *Anal. Chem.* (2012), **84**, 6346-6350.
12529. Gas-phase chemiluminescent determination of inorganic selenium in water samples following flow injection hydride generation and cryotrapping
Ye, Y.; Chen, G. *Microchim. Acta* (2012), **179**, 17-23.
12530. Fully automated lab-on-valve-multisyringe flow injection analysis-ICP-MS system: an effective tool for fast, sensitive and selective determination of thorium and uranium at environmental levels exploiting solid phase extraction
Avivar, J.; Ferrer, L.; Casas, M.; Cerda, V. *J. Anal. At. Spectrom.* (2012), **27**, 327-334.
12531. Fluorometric detection of total dissolved zinc in the southern Indian Ocean

- Gosnell, K. J.; Landing, W. M.; Milne, A. *Marine Chemistry* (2012), **132-133**, 68-76.
12532. Fluorimetric determination of thiabendazole residues in mushrooms using sequential injection analysis
Llorent-Martinez, E. J.; Fernandez-de Cordova, M. L.; Ruiz-Medina, A.; Ortega-Barrales, P. *Talanta* (2012), **96**, 190-194.
12533. Fluorimetric Determination of Ketorolac in Urine by Stopped-Flow Sequential Injection Analysis
Molina-Garcia, L.; Llorent-Martinez, E. J.; Fernandez-de Cordova, M. L.; Ruiz-Medina, A. *Spectroscopy Letters* (2012), **45**(3), 219-224.
12534. Flow-injection system with site-specific immobilization of acetylcholinesterase biosensor for amperometric detection of organophosphate pesticides
Ivanov, Y.; Marinov, I.; Portaccio, M.; Lepore, M.; Mita, D. G.; Godjevargova, T. *Biotechnology & Biotechnological Equipment* (2012), **26**(3), 3044-3053.
12535. Flow-injection spectrophotometric determination of glyphosate in commercial formulations of herbicides
Santana da Silva, A.; Pezza, L.; Pezza, H. R. *Quim. Nova* (2012), **35**, 114-118.
12536. Flow-injection spectrophotometric determination of captopril in pharmaceutical formulations using a new solid-phase reactor containing AgSCN immobilized in a polyurethane resin
Vicentini, F. C.; Suarez, W. T.; Cavaleiro, E. T. G.; Fatibello-Filho, O. *Brazilian Journal of Pharmaceutical Sciences* (2012), **48**(2), 325-333.
12537. Flow-Injection Pulsed-Amperometric Determination of Free Glycerol in Biodiesel at a Gold Electrode
Barbosa, T. G. G.; Richter, E. M.; Munoz, R. A. A. *Electroanalysis* (2012), **24**, 1160-1163.
12538. Flow-injection methods for the determination of antioxidant activity based on free-radical processes
Shpigun, L. K.; Zamyatina, N. N.; Shushenachev, Ya. V.; Kamilova, P. M. *J. Anal. Chem.* (2012), **67**, 801-808.
12539. Flow-injection method of spectrophotometric determination of catecholamines in pharmaceutical formulations
Shpigun, L. K.; Ryabenko, V. S. *Theoretical Foundations of Chemical Engineering* (2012), **46**(4), 419-423.
12540. Flow-injection determinations using carbon fibers as supports for immobilizing enzymes
Satoh, I.; Kanzaki, Y. *Chemical Sensors* (2012), **28**, 10-12.
12541. Flow-injection chemiluminescence determination of melamine in urine and plasma
Tang, X.; Shi, X.; Tang, Y.; Yue, Z.; He, Q. *Luminescence* (2012), **27**, 229-233.
12542. Flow-injection chemiluminescence determination of haemoglobin in the blood
Traore, Z. S.; Shah, S. M.; Su, X. *Luminescence* (2012)
12543. Flow-injection chemiluminescence determination of diazepam by oxidation with N-bromosuccinimide
Han, S.; Jia, S.; Guo, L. *Luminescence* (2012)
12544. Flow-injection chemiluminescence and electrogenerated chemiluminescence determination of escitalopram oxalate in tablet form
Alarfaj, N. A.; Aly, F. A.; Al-Qahtany, A. A. *Luminescence* (2012)
12545. Flow-injection analysis as a tool for determination of pharmaceutical residues in aqueous environment
Trojanowicz, M. *Talanta* (2012), **96**, 3-10.
12546. Flow through potentiometric sensors based on molecularly imprinted polymers for selective monitoring of mepiquat residue, a quaternary ammonium herbicide
Kamel, A. H.; Soror, T. Y.; Al Romian, F. M. *Anal. Methods* (2012), **4**, 3007-3012.
12547. Flow Potentiometric Injection Analysis of Uric Acid Using Lipid Stabilized Films with Incorporated Uricase on ZnO Nanowires
Tzamtzis, N.; Psychoyios, V. N.; Nikoleli, G.-P.; Nikolelis, D. P.; Psaroudakis, N.; Willander, M.; Qadir Israr, M. *Electroanalysis* (2012), **24**, 1719-1725.
12548. Flow injection/sequential injection analysis systems: potential use as tools for rapid liver diseases biomarker study
Kradtap, H. S. *International journal of hepatology* (2012), 2012281807
12549. Flow injection-chemiluminescence determination of dopamine using potassium permanganate and formaldehyde system
Wabaidur, S. M.; Abdullah Alothman, Z.; Alam, S. M.; Lee, S. H. *Spectrochim. Acta A Mol. Biomol. Spectrosc.* (2012), **96**, 221-225.
12550. Flow injection spectrophotometric determination of chromium(VI) extracted from dyed leather with on-line decoloring
Wang, L.; Zhang, X.; Qian, S.; Zhan, Y.; Chen, S. *J. Soc. Leather Technol. Chem.* (2012), **96**, 152-156.
12551. Flow injection simultaneous determination of synthetic colorants in food using multiple pulse amperometric detection with a boron-doped diamond electrode
Medeiros, R. A.; Lourencao, B. C.; Rocha-Filho, R. C.; Fatibello-Filho, O. *Talanta* (2012), **99**, 883-889.
12552. Flow injection online spectrophotometric determination of uranium after preconcentration on XAD-4 resin impregnated with nalidixic acid
Shahida, S.; Ali, A.; Khan, M. H.; Saeed, M. M. *Environ.l Monit. Assess.* (2012)
12553. Flow injection on-line minicolumn preconcentration and determination of trace copper ions using an alumina/titanium oxide grafted silica matrix and FAAS
Lima, G. F.; Ohara, M. O.; Clausen, D. N.; Nascimento, D. R.; Ribeiro, E. S.; Segatelli, M. G.; Bezerra, M. A.; Tarley, C. R. T. *Microchim. Acta* (2012), **178**, 61-70.
12554. Flow injection on line oxidizing fluorometry coupled to microdialysis sampling for studying phenolamine-bovine serum albumin interaction
Huang, Y.; Xiong, Y.; Ye, Z.; Zhang, Z. *Adv. Mat. Res.* (2012), **554-556**, 2093-2097.
12555. Flow injection dual-syringe sorbent extraction platform for metal determination in environmental matrices utilizing a new strong cation exchange sorbent micro-cartridge and flame atomic absorption spectrometry
Anthemidis, A. N.; Giakissikli, G.; Mitani, C. *Int. J. Environ. Anal. Chem.* (2012), **92**, 1276-1288.
12556. Flow injection determination of salbutamol using a solid-phase reactor containing lead (IV) dioxide immobilized
Al Abachi, M. Q.; Hadi, H. *International Journal of Pharmaceutical Chemistry* (2012), **2**(3), 61-66.
12557. Flow injection determination of hydrogen peroxide using catalytic effect of cobalt(II) ion on a dye formation reaction
Kurihara, M.; Muramatsu, M.; Yamada, M.; Kitamura,

- N.
Talanta (2012), **96**, 180-184.
12558. Flow injection determination of carboxylate, phosphate, and sulfhydryl compounds using metal exchange complexation
Mansour, F. R.; Shafi, M. A.; Danielson, N. D.
Talanta (2012), **95**, 12-17.
12559. Flow injection chemiluminescence sensor using core-shell molecularly imprinted polymers as recognition element for determination of dapsone
Lu, F.; Yang, J.; Sun, M.; Fan, L.; Qiu, H.; Li, X.; Luo, C.
Anal. Bioanal. Chem. (2012), **404**, 79-88.
12560. Flow injection chemiluminescence sensor based on core-shell magnetic molecularly imprinted nanoparticles for determination of chrysoidine in food samples
Lu, F.; Sun, M.; Fan, L.; Qiu, H.; Li, X.; Luo, C.
Sens. Actuator B-Chem (2012), **173**, 591-598.
12561. Flow injection chemiluminescence determination of 2-methoxyestradiol based on inhibition of luminol-potassium ferricyanide reaction
Jin, J.; Yao, H.; Chen, Z.; Pang, L.; Du, B.
Luminescence (2012)
12562. Flow injection catalase activity measurement based on gold nanoparticles/carbon nanotubes modified glassy carbon electrode
Nashar, R. M. E.
Talanta (2012), **96**, 161-167.
12563. Flow injection analysis with amperometric detection for iodide determination as a tracer in seawater reservoirs
Souza, F. C.; da Silva, D. A. I.; Simoes, M.; Faria, R. B.; Melo, M. A.; Toledo, R. M.; D'Elia, E.
Journal of Applied Electrochemistry (2012), 42(8), 585-593.
12564. Flow injection analysis of metal cations based on facilitated ion transfer across the PVC and water interface
Ishimatsu, R.; Nakano, K.; Imato, T.
Chemical Sensors (2012), **28**, 94-96.
12565. Flow injection analysis of free glycerol in biodiesel using a copper electrode as an amperometric detector
Maruta, A. H.; Paixao, T. R. L. C.
Fuel (2012), 91(1), 187-191.
12566. Flow injection amperometric determination of isoniazid using a screen-printed carbon electrode modified with silver hexacyanoferrates nanoparticles
Oliveira, P. R. d.; Oliveira, M. M.; Zarbin, A. J. G.; Marcolino-Junior, L. H.; Bergamini, M. F.
Sens. Actuator B-Chem (2012), **171-172**, 795-802.
12567. Flow injection amperometric detection of sulfide using a prussian blue modified glassy carbon electrode
Ertek, B.; Vu, D. L.; Cervenka, L.; Dilgin, Y.
Anal. Sci. (2012), **28**, 1075- 80
12568. FIA with electrochemical detection of azide using hemoglobin-adsorbed carbon-felt based on an inhibitory effect of bioelectrocatalytic reduction of oxygen
Hosono, T.; Wang, Y.; Hasebe, Y.
Bunseki Kagaku (2012), **61**, 691-697.
12569. Fast and sensitive chemiluminescence assay of aminophylline in human serum using luminoldiperiodatargenate(III) system catalyzed by coated iron nanoparticles
Rezaei B; Ensafi Ali A; Zarei L
Spectrochim. Acta A Mol. Biomol. Spectrosc. (2012), 90223-9
12570. Enzymeless flow injection analysis of 2,4,6-trichlorophenol based on preoxidation by ammonium cerium(IV) nitrate
Wang, J.-S.; Chen, P.-Y.; Huang, T.-T.; Lin, M.-S.
Int. J. Electrochem. Sci. (2012), **7**, 9113-9121.
12571. Enhanced chemiluminescence of the luminol-AgNO₃ system by Ag nanoparticles
Li, S.; Sun, H.; Wang, D.; Hong, J.; Tao, S.; Yu, H.; Wang, X.; Wei, X.
Luminescence (2012), **27**, 211-216.
12572. Electrochemical oxidation and sensitive determination of pyrogallol at preanodized screen-printed carbon electrodes
Feng, P.-S.; Wang, S.-M.; Su, W.-Y.; Cheng, S.-H.
J. Chil. Chem. Soc. (2012), **59**, 231-238.
12573. Electrochemical biosensors based on magnetic micro/nano particles
Xu, Y.; Wang, E.
Electrochim. Acta (2012), **84**, 62-73.
12574. Electroanalysis of urinary L-dopa using tyrosinase immobilized on gold nanoelectrode ensembles
Pinho, A.; Viswanathan, S.; Ribeiro, S.; Oliveira, M. B. P. P.; Delerue-Matos, C.
Journal of Applied Electrochemistry (2012), 42(3), 131-137.
12575. Effect of Polar Protic and Polar Aprotic Solvents on Negative-Ion Electrospray Ionization and Chromatographic Separation of Small Acidic Molecules
Huffman, B. A.; Poltash, M. L.; Hughey, C. A.
Anal. Chem. (2012), **84**, 9942-9950.
12576. Effect of ethanol addition on the determination of thiosulfate based on reduction of Ce(IV) and fluorescence detection of Ce(III)
Mikami, I.; Shibayama, E.; Yuzawa, M.; Miura, Y.
Anal. Sci. (2012), **28**, 979-983.
12577. Diffusion-based multi-stream bioluminescent reaction in a microfluidic device
Lee, T.-W.; Kim, H.-S.; Tran, T.-H.; Jang, J.; Yoon, D. S.; Kim, J.-H.; Kim, E.-K.; Koo, Y.-M.; Lee, S. W.; Chang, W.-J.
Chemical Engineering Journal (2012), 185-186, 321-327.
12578. Differential electrolytic potentiometry: a detector for flow injection/sequential analysis in complexation reactions
Fraihat, S. M. A.; Abulkibash, A. M. S.
Asian J. Chem. (2012), **24**, 4847-4850.
12579. Development of an automatic multi-channel ink-jet ejection chemiluminescence system and its application to the determination of horseradish peroxidase
Chen, F.; Lin, Z.; Zheng, Y.; Zeng, H.; Nakajima, H.; Uchiyama, K.; Lin, J.-M.
Anal. Chim. Acta (2012), **739**, 77-82.
12580. Development of a pressure-driven injection system for precisely time controlled attoliter sample injection into extended nanochannels
Ishibashi, R.; Mawatari, K.; Takahashi, K.; Kitamori, T.
J. Chromatogr. A (2012), **1228**, 51-56.
12581. Development of a miniature analytical system in a lab-on-valve for determination of trace copper by bead injection spectroscopy
Yu, Y.-L.; Jiang, Y.; He, R.-H.
Talanta (2012), **88**, 352-357.
12582. Development of a hydrodynamic system for miniaturized system flow analysis
Camarillo-Escobedo, R. M.; Valdes-Perezgasga, F.; Alonso-Chamarro, J.
Revista Mexicana de Ingenieria Quimica (2012), 11(2), 299-307.
12583. Development of a Flow Injection Manifold for Napropamide Determination by Photo-Induced Chemiluminescence
Catala-Icardo, M.; Lopez-Paz, J. L.; Asensio-Martin, V.
Anal. Lett. (2012), **45**, 872-882.
12584. Developing new method for quantifying pindolol by

- sequential injection analysis
Idris, A. M.; Elgorashe, R. E. E.; Alnajjar, A. O.
J. Anal. Chem. (2012), **67**, 497-503.
12585. Determination of Vitamin A in Infant Milk-Based Formulas and Pharmaceutical Formulations Using Flow Injection with Ce(IV)-Na₂SO₃ Chemiluminescence Detection
Rishi, L.; Yaqoob, M.; Asghar, M.; Shah, S. H.; Nabi, A.
Anal. Lett. (2012), **45**, 2037-2052.
12586. Determination of trans-resveratrol using voltammetric and amperometric methods at carbon fiber rod electrode and carbon paste electrode
Nemcova, L.; Berek, J.; Zima, J.
Int. J. Electrochem. Sci. (2012), **7**, 9221-9231.
12587. Determination of total protein content in white wines by solid phase spectrometry in a SI-LOV system
Vidigal, S. S. M. P.; Toth, I. V.; Rangel, A. O. S. S.
Talanta (2012), **96**, 102-106.
12588. Determination of the flavonoids/antioxidant levels in *Cirsium oleraceum* and *Cirsium rivulare* extracts with cerium(IV)-rhodamine 6G chemiluminescence detection
Nalewajko-Sieliwoniuk, E.; Nazaruk, J.; Kotowska, J.; Kojlo, A.
Talanta (2012), **96**, 216-222.
12589. Determination of the binding parameters between lysozyme and dihydroxybenzenes by flow injection chemiluminescence analysis
Shen, M.; Tan, X.; Zhao, H.; Song, Z.
ScienceJet (2012), **1**, No pp. given.
12590. Determination of picogram levels of roxithromycin in pharmaceutical, human serum, and urine by flow-injection chemiluminescence
Liu, J.; Yang, H.; Zhang, Y.; Wu, M.; Zhao, H.; Song, Z.
ISRN Analytical Chemistry (2012), 101092, 5 pp.
12591. Determination of phenol and o-cresol in soil extracts by flow injection analysis with spectrophotometric detection
Dolatto, R. G.; Messerschmidt, I.; Pereira, B. F.; Silveira, C. A. P.; Abate, G.
J. Braz. Chem. Soc. (2012), **23**, 970-976.
12592. Determination of phenformin hydrochloride using molecular imprinting technology coupled with flow-injection chemiluminescence
Liu, Z.; Jia, F.; Wang, W.; Wang, C.; Liu, Y.
Luminescence (2012), **27**, 297-301.
12593. Determination of nonprotein amino acids and betaines in vegetable oils by flow injection triple-quadrupole tandem mass spectrometry: A Screening Method for the Detection of Adulterations of Olive Oils
Sanchez-Hernandez, L.; Nozal, L.; Marina, M. L.; Crego, A. L.
J. Agricul. Food Chem. (2012), **60**, 896-903.
12594. Determination of nitrate and nitrite in freshwaters using flow-injection with luminol chemiluminescence detection
Yaqoob, M.; Folgado Biot, B.; Nabi, A.; Worsfold, P. J.
Luminescence (2012), **27**, 419-425.
12595. Determination of Nifuroxazide by Flow Injection Linear Adsorptive Stripping Voltammetry on a Screen-Printed Carbon Nanofiber Modified Electrode
Mozo, J. D.; Carbajo, J.; Sturm, J. C.; Nunez-Vergara, L. J.; Salgado, P.; Squella, J. A.
Electroanalysis (2012), **24**, 676-682.
12596. Determination of nanogram quantities of emodin in pharmaceutical preparations and biofluids by luminolmyoglobin chemiluminescence system
Zhang, Y.; He, X.; Song, Z.
Spectroscopy (2012), **27**(2), 73-81.
12597. Determination of L-tryptophan based on graphene oxide-magnetite-molecularly imprinted polymers and chemiluminescence
Qiu, H.; Luo, C.; Sun, M.; Lu, F.; Fan, L.; Li, X.
Talanta (2012), **98**, 226-230.
12598. Determination of L-proline based on anodic electrochemiluminescence of CdTe quantum dots
Zhang, M.; Wan, F.; Wang, S.; Ge, S.; Yan, M.; Yu, J.
J. Lumin. (2012), **132**, 938-943.
12599. Determination of genistein by flow-injection chemiluminescence method based on ferricyanide oxidation sensitized by rhodamine 6G
Wang, H.; Han, S.
J. Chil. Chem. Soc. (2012), **59**, 1130-1136.
12600. Determination of enoxacin in tablet by flow injection chemiluminescence
Ren, N.; Yang, C.
Adv. Mat. Res. (2012), **554-556**, 1880-1883.
12601. Determination of Diammonium Glycyrrhizinate and Its Antioxidant Activity Using a Novel Chemiluminescence System
Cai, Z.; Zhang, X.; Qiu, X.; He, X.; Lu, D.
Anal. Lett. (2012), **45**, 2026-2036.
12602. Determination of chemical oxygen demand by a flow injection method based on microwave digestion and chromium speciation coupled to inductively coupled plasma optical emission spectrometry
Almeida, C. A.; Gonzalez, P.; Mallea, M.; Martinez, D.; Gil, R. A.
Talanta (2012), **97**, 273-278.
12603. Determination of biotin in pharmaceutical formulations by potassium permanganate-luminol-CdTe nanoparticles chemiluminescence system
Traore, Z. S.; Su, X.-g.
Chemical Research in Chinese Universities (2012), **28**(4), 604-608.
12604. Determination of base composition based on flow injection analysis and local linear embedding-support vector regression modeling method
Ji, X.; Deng, H.
Journal of Computational and Theoretical Nanoscience (2012), **9**, 1720-1727.
12605. Determination of Ammonia in Water Based on Chemiluminescence Resonance Energy Transfer between Peroxymonocarbonate and Branched NaYF₄:Yb³⁺/Er³⁺ Nanoparticles
Chen, H.; Li, H.; Lin, J.-M.
Anal. Chem. (2012), **84**, 8871-8879.
12606. Determination of ammonia in exhaled breath by flow injection analysis with electrochemical detection
Kotani, A.; Wakabayashi, Y.; Kohama, M.; Kusu, F.
Electrochemistry (2012), **80**(5), 340-344.
12607. Detection of Thromboembolism with 99mTc-labeled F(ab)₂ Fragment of Anti-glycoprotein IIIa Chimeric Monoclonal Antibody in Beagle Canines
Ji, S.; Fang, W.; Dong, N.; He, Z.; Ruan, C.
Thrombosis Research, **130**(5), 703-708.
12608. Critical approach to flow injection gradient titration as a calibration method
Wieczorek, M.; Kozak, J.; Koscielniak, P.; Knihnicki, P.; Pieprzycza, E.
Talanta (2012), **96**, 34-38.
12609. Cost effective dual-stage flow injection/sequential injection hybrid for continuous liquid-liquid extraction
Somnam, S.; Jakmunee, J.; Grudpan, K.
Chiang Mai Journal of Science (2012), **39**(2), 233-241.
12610. Convenient formation of nanoparticle aggregates on microfluidic chips for highly sensitive SERS detection of biomolecules
Zhou, J.; Ren, K.; Zhao, Y.; Dai, W.; Wu, H.

- Anal. Bioanal. Chem.* (2012), **402**, 1601-1609.
12611. Continuous-channel flow linear dichroism
Cheng, X.; Joseph, M. B.; Covington, J. A.; Dafforn, T. R.; Hicks, M. R.; Rodger, A.
Anal. Methods (2012), **4**, 3169-3173.
12612. Continuous flow analysis method for determination of soluble iron and aluminium in ice cores
Spolaor A; Vallelonga P; Gabrieli J; Roman M; Barbante C
Anal. Bioanal. Chem. (2012)
12613. Continuous determination of hydrogen peroxide formed in advanced oxidation and electrochemical processes
Hwang, T.-M.; Oh, B. S.; Yoon, Y.; Kwon, M.; Kang, J.
Desalination and Water Treatment (2012), 43(1-3), 267-273.
12614. Complexation of Hg(II) by humic acid studied by square wave stripping voltammetry at screen-printed gold electrodes
do Nascimento, F. H.; Masini, J. C.
Talanta (2012), **100**, 57-63.
12615. Compact optoelectronic flow-through device for fluorometric determination of calcium ions
Pokrzywnicka, M.; Fiedoruk, M.; Koncki, R.
Talanta (2012), **93**, 106-110.
12616. Combination of FIA-CL technique with ion-exchanger for determination of sulphate in various water resources in Erbil City
Ali, D. S.; Faizullah, A. T.
Arabian Journal of Chemistry (2012), 5(2), 147-153.
12617. Cobalt hexacyanoferrate modified multi-walled carbon nanotubes/graphite composite electrode as electrochemical sensor on microfluidic chip
Li, X.; Chen, Z.; Zhong, Y.; Yang, F.; Pan, J.; Liang, Y.
Anal. Chim. Acta (2012), **710**, 118-124.
12618. Chitosan-ferrocene film as a platform for flow injection analysis applications of glucose oxidase and *Gluconobacter oxydans* biosensors
Yilmaz, O.; Demirkol, D. O.; Guelcemal, S.; Kilinc, A.; Timur, S.; Cetinkaya, B.
Colloids Surf. B Biointerfaces (2012), **100**, 62-68.
12619. Chip-based amperometric enzyme sensor system for monitoring of bioprocesses by flow-injection analysis
Backer, M.; Rakowski, D.; Poghossian, A.; Biselli, M.; Wagner, P.; Schoning, M. J.
Journal of biotechnology (2012)
12620. Chemistry of ascorbic acid and sulfur dioxide as an antioxidant system relevant to white wine
Barril, C.; Clark, A. C.; Scollary, G. R.
Anal. Chim. Acta (2012), **732**, 186-193.
12621. Chemiluminescence of CdTe nanocrystals catalyzed by sodium hexametaphosphate and its sensitive application for determination of estrogens
Wang, L.; Yuan, F.; Chen, H.-Q.; Ling, B.; Xu, J.
Spectrochim. Acta A Mol. Biomol. Spectrosc. (2012), **91**, 295-300.
12622. Chemiluminescence of a cyclometallated iridium(III) complex and its application in the detection of cysteine
Dong, Y. P.; Shi, M. J.; Tong, B. H.; Zhang, Q. F.
Luminescence (2012), **27**, 414-418.
12623. Chemiluminescence detection of 1,3,5-trinitro-1,3,5-triazacyclohexane (RDX) and related nitramine explosives
Donaldson, D. N.; Barnett, N. W.; Agg, K. M.; Graham, D.; Lenehan, C. E.; Prior, C.; Lim, K. F.; Francis, P. S.
Talanta (2012), **88**, 743-8.
12624. Chemiluminescence detection flow cells for flow injection analysis and high-performance liquid chromatography
Terry, J. M.; Mohr, S.; Fielden, P. R.; Goddard, N. J.; Barnett, N. W.; Olson, D. C.; Wolcott, D. K.; Francis, P. S.
Anal. Bioanal. Chem. (2012), **403**, 2353-2360.
12625. Chemical speciation of iron in Antarctic waters surrounding free-drifting icebergs
Lin, H.; Twining, B. S.
Marine Chemistry (2012), 128-129, 81-91.
12626. CdS nanoparticles- enhanced chemiluminescence and determination of baicalin in pharmaceutical preparations
Chen, X.; Tan, X.; Wang, J.
Luminescence (2012), on line
12627. Cationic polyelectrolyte copolymer modified polyurethane foam for flow injection preconcentration and separation of trace amounts of β -lactam antibiotics
Abdel Azeem, S. M.; Kuss, H. M.; El-Shahat, M. F.
Talanta (2012), **97**, 513-520.
12628. Carbon paste electrode modified with chromium thiopental for the potentiometric flow injection analysis of chromium (III)
Youssef, A. F. A.; Issa, Y. M.; Mohamed, M. S.
Toxicological & Environmental Chemistry (2012), 94(2), 220-238.
12629. Cadmium determination in natural water samples with an automatic multisyringe flow injection system coupled to a flow-through screen printed electrode
Henriquez, C.; Laglera, L. M.; Alpizar, M. J.; Calvo, J.; Arduini, F.; Cerda, V.
Talanta (2012), **96**, 140-146.
12630. Biomimetic enhanced chemiluminescence of luminol-H₂O₂ system by manganese (III) deuteroporphyrin and its application in flow injection determination of phenol at trace level
Xu, S.; Liu, W.; Hu, B.; Cao, W.; Liu, Z.
Journal of Photochemistry and Photobiology, A: Chemistry (2012), 227(1), 32-37.
12631. Biofunctionalized dendritic polyaniline nanofibers for sensitive electrochemical immunoassay of biomarkers
Cui, Y.; Tang, D.; Liu, B.; Chen, H.; Zhang, B.; Chen, G.
Analyst (2012), **137**, 1656-1662.
12632. Binding Study of Phenformin with Bovine Serum Albumin Using a Combined Technique of Equilibrium Dialysis with Flow-Injection Chemiluminescence Detection
Liu, Z.; Jia, F.; Ju, P.; Wang, X.; Liu, Y.
Spectroscopy Letters (2012), **45**, 256-261.
12633. Automated solid-phase extraction hyphenated to voltammetry for the determination of quercetin using magnetic nanoparticles and sequential injection lab-on-valve approach
Wang, Y.; Wang, L.; Tian, T.; Hu, X.; Yang, C.; Xu, Q.
Analyst (2012), **137**, 2400-2405.
12634. Automated on-line dispersive liquid-liquid microextraction based on a sequential injection system
Andruch, V.; Acebal, C. C.; Skrlíkova, J.; Sklenarova, H.; Solich, P.; Balogh, I. S.; Billes, F.; Kocurova, L.
Microchem. J. (2012), **100**, 77-82.
12635. Automated flow-through amperometric immunosensor for highly sensitive and on-line detection of okadaic acid in mussel sample
Dominguez, R. B.; Hayat, A.; Sassolas, A.; Alonso, G. A.; Munoz, R.; Marty, J.-L.
Talanta (2012), **99**, 232-237.
12636. Automated flow system for sildenafil enrichment using surfactant coated solid-phase with fluorescence detection
Wang, C. C.; Sombra, L.; Fernandez, L.
Talanta (2012), **98**, 247-252.
12637. Automated determination of total captopril in urine by liquid chromatography with post-column derivatization coupled to on-line solid phase extraction in a sequential injection manifold

- Karakosta, T. D.; Tzanavaras, P. D.; Themelis, D. G. *Talanta* (2012), **88**, 561-566.
12638. Automated Determination of Hydrogen Peroxide at the Micro-Molar Level in Rainwater and Snow Using a Stopped-Flow Approach in a Hybrid Sequential Injection/Flow Injection Manifold
Tzanavaras, P. D.; Boulimari, E. *Anal. Lett.* (2012), **45**, 1086-1097.
12639. Automated capillary electrophoresis with on-line preconcentration by solid phase extraction using a sequential injection manifold and contactless conductivity detection
Mai, T. D.; Bomastyk, B.; Duong, H. A.; Pham, H. V.; Hauser, P. C. *Anal. Chim. Acta* (2012), **727**, 1-7.
12640. Assay of picogram level isocarboxiphos residue on tangerines and oranges with luminol-albumin chemiluminescence system
Chen, D.; Song, Z.; Lv, H. *Food Chem.* (2012), **135**, 2549-2553.
12641. Application of DV-SIA manifold for determination of thiocyanate ions in human saliva samples
Acebal, C. C.; Sklenarova, H.; Skrlíkova, J.; Sramkova, I.; Andruch, V.; Balogh, I. S.; Solich, P. *Talanta* (2012), **96**, 107-112.
12642. Application of direct-injection detector integrated with the multi-pumping flow system to photometric stop-flow determination of total iron
Koronkiewicz, S.; Kalinowski, S. *Talanta* (2012), **96**, 68-74.
12643. Application of chemometrics methods for the simultaneous determination of zinc and copper after preconcentration and separation by liquid-liquid microextraction based on solidification of floating organic drop coupled to flow injection spectrophotometry
Asadollahi, T.; Shabani, A. M. H.; Dadfarnia, S.; Ghasemi, J. *Curr. Anal. Chem.* (2012), **8**, 373-381.
12644. Analysis of ethanol in fermentation samples by a robust nanocomposite-based microbial biosensor
Sefcovicova, J.; Filip, J.; Mastihuba, V.; Gemeiner, P.; Tkac, J. *Biotechnology Letters* (2012), **34**(6), 1033-1039.
12645. An improved method for measuring soil microbial activity by gas phase flow injection analysis
Doran, G.; Zander, A. *Revista Brasileira de Ciencia do Solo* (2012), **36**(2), 349-357.
12646. An electrodynamic preconcentrator integrated thermoelectric biosensor chip for continuous monitoring of biochemical process
Choi, Y.-H.; Kim, M.-g.; Kang, D.-H.; Sim, J.; Kim, J.; Kim, Y.-J. *Journal of Micromechanics and Microengineering* (2012), **22**(4), 045022/1-045022/13.
12647. Amperometric biosensor for oxalate determination in urine using sequential injection analysis
Rodriguez, J. A.; Hernandez, P.; Salazar, V.; Castrillejo, Y.; Barrado, E. *Molecules* (2012), **17**, 8859-8871.
12648. Amine-intercalated montmorillonite matrices for enzyme immobilization and biosensing applications
Seleci, M.; Ag, D.; Yalcinkaya, E. E.; Demirkol, D. O.; Guler, C.; Timur, S. *RSC Advances* (2012), **2**(5), 2112-2118.
12649. A very sensitive flow-injection spectrophotometric determination method for iron (II) and total iron using 2', 3, 4', 5, 7-pentahydroxyflavone
Asan, A.; Aydin, R.; Semiz, D. K.; Erci, V.; Isildak, I. *Environ. Monit. Assess.* (2012)
12650. A sulfite sensor based on electrocatalytic oxidation at a phenothiazine drop-coated screen-printed carbon electrode
Chen, P.-Y.; Chi, Y.-M.; Yang, H.-H.; Shih, Y. *J. Electroanal. Chem.* (2012), **675**, 1-4.
12651. A simple microfluidic integrated with an optical sensor for micro flow injection colorimetric determination of glutathione
Supharoek, S.-a.; Youngvises, N.; Jakmunee, J. *Anal. Sci.* (2012), **28**, 651-656.
12652. A simple flow injection pH indicator method for the determination of metal ions by urease inhibition study
Rasheed, A.; Ghous, T.; Khan, M.; Ullah, R. S. *J. Chem. Soc. Pakistan* (2012), **34**, 317-320.
12653. A sequential study of incomplete Freund's adjuvant-induced peritonitis in Atlantic cod
Gjessing, M. C.; Falk, K.; Weli, S. C.; Koppang, E. O.; Kvellestad, A. *Fish & Shellfish Immunology* (2012), **32**(1), 141-150.
12654. A sensitive electrogenerated chemiluminescence assay for determination of melanin in natural and biological samples
Alarfaj, N. A.; Abu Elhassan Abdalla, M.; Al-Hamza, A. M. *Int. J. Electrochem. Sci.* (2012), **7**, 7888-7901.
12655. A powder based polyaniline carbon paste electrode for urea analysis
Shu, H.-C.; Lu, S.-P. *J. Chil. Chem. Soc.* (2012), **59**, 226-230.
12656. A polymeric dual-channel amperometric biosensor chip capable of symmetrically splitting sample bands for parallel micro flow injection determination of glucose and lactate
Wang, Y.; He, Q.; Hu, X.; Zhang, Y.; Chen, H. *Anal. Methods* (2012), **4**, 2031-2038.
12657. A novel microfluidics-based method for probing weak protein-protein interactions
Tan, D. C.-w.; Wijaya, I. P. M.; Andreasson-Ochsner, M.; Vasina, E. N.; Nallani, M.; Hunziker, W.; Sinner, E.-K. *Lab Chip* (2012), **12**, 2726-35
12658. A novel green analytical procedure for monitoring of azoxystrobin in water samples by a flow injection chemiluminescence method with off-line ultrasonic treatment
Yang, X.-A.; Zhang, W.-B. *Luminescence* (2012), on line
12659. A novel flow-injection chemiluminescence method for determination of andrographolide in andrographis tablets
Jiang, Z.; Hao, Z.; Wu, Q.; Li, Y.; Liu, H.; Yan, L. *Drug Test. Anal.* (2012), on line
12660. A novel flow-injection analysis system for evaluation of antioxidants by using sodium dichloroisocyanurate as a source of hypochlorite anion
Ichiba, H.; Hanami, K.; Yagasaki, K.; Tanaka, M.; Ito, H.; Fukushima, T. *Drug Discoveries & Therapeutics* (2012), **6**, 44-48.
12661. A novel chemiluminescence system for the determination of daidzein and its hydroxyl radical-scavenging capacity
Cai, Z.; Zhang, X.; Lu, D.-F.; Gan, J.-N. *Luminescence* (2012), **27**, 256-261.
12662. A novel automated flow-based biosensor for the determination of organophosphate pesticides in milk
Mishra, R. K.; Dominguez, R. B.; Bhand, S.; Munoz, R.; Marty, J.-L. *Biosens. Bioelectron.* (2012), **32**, 56-61
12663. A non-extractive sequential injection method for determination of molybdenum

- Leskova, M.; Sklenarova, H.; Bazel, Y.; Chochoious, P.; Solich, P.; Andruch, V.
Talanta (2012), **96**, 185-189.
12664. A new potassium tetrabromoaurate (III)-luminol chemiluminescence system for the determination of folic acid in milk powder
Zhao, S.; Zhang, P.; Liang, X.; Hua, D.; Ma, T.; Pei, G.
Journal of Food Science (2012), **77**, C102-C106.
12665. A negative-pressure flow-injection micro-electrode system for rapid and simultaneous determination of four electrolytes in human serums
Li, Y.-S.; Zhou, L.; Zhang, H.-S.; Lai, Z.-Y.; Gao, X.-F.
Anal. Sci. (2012), **28**, 781-787.
12666. A monosegmented flow-batch system for slow reaction kinetics: spectrophotometric determination of boron in plants
Barreto, I. S.; Andrade, S. I. E.; Lima, M. B.; Silva, E. C.; Araujo, M. C. U.; Almeida, L. F.
Talanta (2012), **94**, 111-5.
12667. A minimally invasive microchip for transdermal injection/sampling applications
Strambini, L. M.; Longo, A.; Diligenti, A.; Barillaro, G.
Lab Chip (2012), **12**, 3370-3379.
12668. A LED based photometer for solid phase photometry: zinc determination in pharmaceutical preparation employing a multicommuted flow analysis approach
Dias, T. R.; Reis, B. F.
J. Braz. Chem. Soc. (2012), **23**, 1515-1522.
12669. A highly sensitive and automated method for the determination of hypoxanthine based on lab-on-valve approach using Fe₃O₄/MWCNTs/ β -CD modified electrode
Wang, Y.; Wang, L.; Tian, T.; Yao, G.; Hu, X.; Yang, C.; Xu, Q.
Talanta (2012), **99**, 840-845.
12670. A green analytical method using ultrasound in sample preparation for the flow injection determination of iron, manganese, and zinc in soluble solid samples by flame atomic absorption spectrometry
Yebra, M. C.
Journal of Analytical Methods in Chemistry (2012), 298217, 5 pp
12671. A flow injection analyzer conductometric coupled system for the field analysis of free dissolved CO₂ and total dissolved inorganic carbon in natural waters
Martinotti, V.; Balordi, M.; Ciceri, G.
Anal. Bioanal. Chem. (2012), **403**, 1083-1093.
12672. A dual-electrode flow sensor fabricated using track-etched microporous membranes
Mizuguchi, H.; Shibuya, K.; Fuse, A.; Hamada, T.; Iiyama, M.; Tachibana, K.; Nishina, T.; Shida, J.
Talanta (2012), **96**, 168-173.
12673. A Capacitance Sensor for Water: Trace Moisture Measurement in Gases and Organic Solvents
Ohira, S.-I.; Goto, K.; Toda, K.; Dasgupta, P. K.
Anal. Chem. (2012), **84**, 8891-8897.
12674. 3-mercaptopropyltrimethoxysilane-modified multi-walled carbon nanotubes as a new functional adsorbent for flow injection extraction of Pb(II) from water and sediment samples
Somera, B. F.; Corazza, M. Z.; Yabe, M. J. S.; Segatelli, M. G.; Galunin, E.; Tarley, C. R. T.
Water, Air, & Soil Pollution (2012), **223**, 6069-6081.
12675. β -Galactosidase activity in mixed micelles of imidazolium ionic liquids and sodium dodecylsulfate: A sequential injection kinetic study
Pinto, P. C. A. G.; Costa, S. P. F.; Lima, J. L. F. C.; Saraiva, M. L. M. F. S.
Talanta (2012), **96**, 26-33.

