

References

- Abdulrahman, S.A.M. and Basavaiah, K. "Non-Aqueous Titrimetric Assay of Gabapentin in Capsules using Perchloric Acid as Titrant," *Chemical Industry & Chemical Engineering Quarterly*, **17** (2011) 173–178.
- Aguado, S. Bergeret, G. Titus, M.P. Moizan, V. Nieto-Dracchi, C. Bats, N. and Farrusseng, D. "Guest-Induced Gate-Opening of a Zeolite Imidazolate Framework," *New J. Chem.* **35** (2011) 546–550.
- Al-Azzam, K.M. Saad, B. Tat, C.Y. Mat, I. and Aboul-Enein, H.Y. "Stability-Indicating Micellar Electrokinetic Chromatography Method for the Analysis of Sumatriptan Succinate in Pharmaceutical Formulations," *J. Pharm. Biomed. Anal.*, **56** (2011) 937–943.
- Al-Ghamdi, A.F. and Bani-Yaseen, A.D. "Electrochemical Reduction of Ciprofloxacin at the Mercury Electrode and its Voltammetric Determination in Tablet and Urine," *Russ. J. Electrochem.*, **50** (2014) 355–362.
- Allam, B.K. and Singh, K.N. "An Efficient Phosphine-Free Heck Reaction in Water using Pd[L-proline]₂ as the Catalyst under Microwave Irradiation," *Synthesis*, (2011) 1125–1137.
- Allam, B.K. Singh, R. and Singh, K.N. Phenol,2,4-bis(1,1-dimethylethyl)-6-[(E)-[(1S)-1-(hydroxymethyl)-2,2-dimethylpropyl]imino]methyl], e-EROS Encyclopedia of Reagents for Organic Synthesis (Eds. David Crich, Philip L. Fuchs, Andre B. Charette, Tomislav Rovis), John Wiley & Sons, Ltd., 2016.
- Alvarenga, L. Ferreira, D. Altekruze, D. Menezes, J.C. and Lochmann, D. "Tablet Identification using Near-Infrared Spectroscopy (NIRS) for Pharmaceutical Quality Control," *J. Pharm. Biomed. Anal.*, **48** (2008) 62–69.
- Amin, N.C. Blanchin, M.D. Ake', M. and Fabre, H. "Capillary Zone Electrophoresis as a Potential Technique for the Simultaneous Determination of Sulfadoxine and Pyrimethamine in Tablet Formulations," *J. Pharm. Biomed. Anal.*, **58** (2012) 168–171.
- Andrade, L.S. Rocha-Filho, R.C. Cass, Q.B. and Fatibello-Filho, O. "A Novel Multicommutation Stopped-Flow System for the Simultaneous Determination of Sulfamethoxazole and Trimethoprim by Differential Pulse Voltammetry on a Boron-Doped Diamond Electrode," *Anal. Methods*, **2** (2010) 402–407.
- Ashour, A. Hegazy, M.A. Moustafa, A.A. Kelani, K.O. and Fattah, L.E. "Validated Stability-Indicating TLC Method for the Determination of Noscapine," *Drug Test. Anal.*, **1** (2009) 327–338.
- Atta, N.F. Galal, A. and Ahmed, R.A. "Direct and Sensitive Determination of Atropine Sulfate at Polymer Electrode in Presence of Surface Active Agents," *Int. J. Electrochem. Sci.*, **7** (2012) 10365–10379.
-

- Bagheri, H. Arab, S.M. Khoshshafar, H. and Afkhami, A. "A Novel Sensor for Sensitive Determination of Atropine based on a Co_3O_4 -Reduced Graphene Oxide Modified Carbon Paste Electrode," *New J. Chem.*, **39** (2015) 3875–3881.
- Bailar, J.C. "Coordination Polymers: A Chapter in Preparative Inorganic Reactions," *Jr. Interscience Publishers*, **1** (1964) 1–27.
- Ball, P. *Bright Earth: Art and the Invention of Color*, Farrar, Straus and Giroux, New York, 2001.
- Barnett, S.A. and Champness, N.R. "Structural Diversity of Building-Blocks in Coordination Framework Synthesis-Combining $\text{M}(\text{NO}_3)_2$ Junctions and Bipyridyl Ligands," *Coord. Chem. Rev.*, **246** (2003) 145–168.
- Basavaiah, K. and Prameela, H.C. "Two Simple Methods for the Estimation of Albendazole and its Dosage forms using Chloramine-T," *IL Farmaco*, **58** (2003) 527–534.
- Batten, S. and Robson, R. "Interpenetrating Nets: Ordered, Periodic Entanglement," *Angew. Chem. Int. Ed.*, **37** (1998) 1460–1494.
- Batten, S.R. and Murray, K.S. "Structure and Magnetism of Coordination Polymers Containing Dicyanamide and Tricyanomethanide," *Coord. Chem. Rev.*, **246** (2003) 103–130.
- Bebawy, L.I. Moustafa, A.A. and Abo-Talib, N.F. "Stability-Indicating Methods for the Determination of Doxazosin Mezylate and Celecoxib," *J. Pharm. Biomed. Anal.*, **27** (2002) 779–793.
- Biradha, K. Hongo, Y. and Fujita, M. "Crystal-to-Crystal Sliding of 2D Coordination Layers Triggered by Guest Exchange," *Angew. Chem. Int. Ed.*, **41** (2002) 3395–3398.
- Blake, A.J. Champness, N.R. Hubberstey, P. Li, W.S. Withersby, M.A. and Schroder, M. "Inorganic Crystal Engineering using Self-Assembly of Tailored Building-Blocks," *Coord. Chem. Rev.*, **183** (1999) 117–138.
- Blanco, M. Coello, J. Iturriga, H. MasPOCH, H. and Pezuela, C. "Quantitation of the Active Compound and Major Excipients in a Pharmaceutical Formulation by Near Infrared Diffuse Reflectance Spectroscopy with Fibre Optical Probe," *Anal. Chim. Acta.*, **333** (1996) 147–156.
- Blanco, M. Coello, J. Eustaquio, A. Iturriaga, H. and MasPOCH, S. "Development and Validation of a Method for the Analysis of a Pharmaceutical Preparation by Near-Infrared Diffuse Reflectance Spectroscopy," *J. Pharm. Sci.*, **88** (1999) 551–556.
- Blanco, M. Coello, J. Iturriaga, H. MasPOCH, S. and de-la-Pezuela, C. "Near-Infrared Spectroscopy in the Pharmaceutical Industry," *Analyst*, **123** (1998) 135R–150R.
-

- Blanco, M. Eustaquio, A. Gonzalez, J.M. and Serreno, D. "Identification and Quantitation Assays for Intact Tablets of Two Related Pharmaceutical Preparations by Reflectance Near-Infrared Spectroscopy: Validation of the Procedure," *J. Pharm. Biomed. Anal.*, **22** (2000) 139–148.
- Blasco, C. Pico', Y. and Andreu, V. "Analytical Method for Simultaneous Determination of Pesticide and Veterinary Drug Residues in Milk by CE-MS," *Electrophoresis*, **30** (2009) 698–707.
- Buchanan, B.R. Baxter, M.A. Chen, T.S. Quin, X.Z. and Robinson, P.A. "Use of Near-Infrared Spectroscopy to Evaluate an Active in a Film Coated Tablet," *Pharm. Res.*, **13** (1996) 616–621.
- Buser, H. Schwarzenbach, D. Petter, W. and Ludi, A. "The Crystal Structure of Prussian Blue: $\text{Fe}_4[\text{Fe}(\text{CN})_6]_3 \cdot x\text{H}_2\text{O}$," *Inorg. Chem.*, **16** (1977) 2704–2710.
- Calatayud, J.M. and Mateo, J.V.G. "Automation in Pharmaceutical Analysis by Flow Injection Analysis: Part I," *Pharm. Technol. Int.*, **4** (1992a) 17–24.
- Calatayud, J.M. and Mateo, J.V.G. "Automation in pharmaceutical analysis by Flow-Injection Analysis: Part II," *Pharm. Technol. Int.*, **4** (1992b) 30–40.
- Calcara, M. Enea, V. Pricoca, A. and Miano, F. "Capillary Electrophoresis Assay of Netilmicin Sulphate," *J. Pharm. Biomed. Anal.*, **38** (2005) 344–348.
- Carlucci, L. Ciani, G. Proserpio, D.M. and Rizzato, S. "New Polymeric Networks from the Self-Assembly of Silver(I) Salts and the Flexible Ligand 1,3-Bis(4-Pyridyl)Propane (Bpp): A Systematic Investigation of the Effects of the Counter ions and a Survey of the Coordination Polymers based on bpp," *Cryst. Eng. Comm.*, **4** (2002) 121–129.
- Chen, B. Zhao, X. Putkham, A. Hong, K. Lobkovsky, E.B. Hurtado, E.J. Fletcher, A.J. and Thomas, K.M. "Surface Interactions and Quantum Kinetic Molecular Sieving for H_2 and D_2 Adsorption on a Mixed Metal–Organic Framework Material," *J. Am. Chem. Soc.*, **130** (2008) 6411–6423.
- Chen, Y. Thosar, S.S. and Shukla, R.A. "Drug Dev, Prediction of Drug Content and Hardness of Intact Tablets Using Artificial Neural Network and Near-Infrared Spectroscopy," *Ind. Pharm.*, **27** (2001) 623–631.
- Chen, Z.F. Xiong, R.G. Zhang, J. Zuo, J.L. You, X.Z. Che, C.M. and Fun, H.K. "The First Chiral 2-D Molecular Triangular Grid," *Dalton Trans.*, **22** (2000) 4010–4012.
- Cho, W. Lee, H.J. and Oh, M. "Growth-Controlled Formation of Porous Coordination Polymer Particles," *J. Am. Chem. Soc.*, **130** (2008) 16943–16946.
- Chuan, D. Wen, Y. Shaomin, S. and Pin, Y. "Determination of Thioguanine in Pharmaceutical Preparations by Paper Substrate Room Temperature Phosphorimetry," *Analyst*, **125** (2000) 1327–1330.
-

- Clegg, W. "Crystal Growth Methods," *Compreh. Coord. Chem.*, **1** (2004) 579–583.
- Coco, S. Cordovilla, C. Domínguez, C. and Espinet, P. "Luminescent Gold(I) Metallo–Acids and their Hydrogen Bonded Supramolecular Liquid Crystalline Derivatives with Decyloxystilbazole as Hydrogen Acceptor," *Dalton Trans.*, (2008) 6894–6900.
- Corti, C. Ceramelli, G. Dreassi, E. and Matti, S. "Near Infrared Transmittance Analysis for the Assay of Solid Pharmaceutical Dosage Forms," *Analyst*, **124** (1999) 755–758.
- Dai, L.X. "Chiral Metal–Organic Assemblies–A New Approach to Immobilizing Homogeneous Asymmetric Catalysts," *Angew. Chem. Ed. Engl.*, **43** (2004) 5726–5729.
- Dai, L.X. "Chiral Metal–Organic Assemblies–A New Approach to Immobilizing Homogeneous Asymmetric Catalysts," *Angew. Chem. Ed. Engl.*, **43** (2004) 5726–5729.
- Daniel, M.C. and Astruc, D. "Gold nanoparticles: Assembly, Supramolecular Hemistry, Quantum–size–related Properties, and Applications toward Biology, Catalysis, and Nanotechnology," *Chem. Rev.*, **104** (2004) 293–346.
- Dar, R.A. Brahman, P.K. Tiwari, S.S. and Pitre, K.S. "Electrochemical Determination of Atropine at Multi–wall Carbon Nanotube Electrode Based on the Enhancement Effect of Sodium Dodecyl Benzene Sulfonate," *Colloid. Surface. B.*, **91** (2012) 10–17.
- Darwish, I.A. Sultan, M.A. and Al–Arfaj, H.A. "Selective Kinetic Spectrophotometric Method for Determination of Gatifloxacin based on Formation of its N–Vinyl Chlorobenzoquinone Derivative," *Spectrochim. Acta A Mol. Biomol. Spectrosc.*, **75** (2010) 334–339.
- DeKrafft, K.E. Boyle, W.S. Burk, L.M. Zhou, O.Z. and Lin, W. "Zr– and Hf–based Nanoscale Metal–Organic Frameworks as Contrast Agents for Computed Tomograph," *J. Mater. Chem.*, **22** (2012) 18139–18144.
- De–Lima–Gomes, P.C. Barletta, J.Y. Nazario, C.E. Santos–Neto, A.J. Von–Wolff, M.A. Coneglian, C.M. Umbuzeiro, G.A. and Lancas, F.M. "Optimization of in situ Derivatization SPME by Experimental Design for GC–MS Multi–Residue Analysis of Pharmaceutical Drugs in Wastewater," *J. Sep. Sci.*, **34** (2011) 436–445.
- De–Souza, C.F. Martins, R.K. Da–Silva, A.R. Da–Cunha, A.L. and Auce´lio, R.Q. "Determination of Enrofloxacin by Room–Temperature Phosphorimetry after Solid Phase Extraction on an Acrylic Polymer Sorbent," *Spectrochim Acta A. Mol. Biomol. Spectros.c*, **100** (2013) 51–58.
- Dewa, T. Saiki, T. and Aoyama, Y. "Enolization and Aldol Reactions of Ketone with a La³⁺–Immobilized Organic Solid in Water: A Microporous Enolase Mimic," *J. Am. Chem. Soc.*, **123** (2001) 502–503.
-

- Diring, S. Furukawa, S. Takashima, Y. Tsuruoka, T. and Kitagawa, S. "Controlled Multiscale Synthesis of Porous Coordination Polymer in Nano/Micro Regimes," *Chem. Mater.*, **22** (2010) 4531–4538.
- Dong, Y.B. Geng, Y. Ma, J.P. and Huang, R.Q. "Organometallic Silver(I) Supramolecular Complexes Generated from Multidentate Furan-Containing Symmetric and Unsymmetric Fulvene Ligands and Silver(I) Salts," *Inorg. Chem.*, **44** (2005) 1693–1703.
- Du, M. Bu, X.H. Guo, Y.M. Liu, H. Batten, S.R. Ribas, J. and Mak, T.C.W. "First Cu^{II} Diamondoid Net with 2-Fold Interpenetrating Frameworks: The Role of Anions in the Construction of the Supramolecular Arrays," *Inorg. Chem.*, **41** (2002) 4904–4908.
- Ebrahim, Z.A.J. Balalau, D. Baconi, D.L. Gutu, C.M. and Ilie, M. "HPTLC Method for the Assay of Tramadol and Pentazocin form Mixtures," *Farmacia*, **59** (2011) 381–387.
- Eddaoudi, M. Kim, J. Rosi, N.L. Vodak, D.T. Wachter, J. O'Keeffe, M. and Yaghi, O.M. "Systematic Design of Pore Size and Functionality in Isorecticular Mofs and their Application in Methane Storage," *Science*, **295** (2002) 469–472.
- Edgar, M. Mitchell, R. Slawin, A.M.Z. Lightfoot, P. and Wright, P.A. "Solid-State Transformations of Zinc 1,4-Benzenedicarboxylates Mediated by Hydrogen-Bond-Forming Molecules," *Chem. Eur. J.*, **7** (2001) 5168–5175.
- Enache, T.A. and Oliveira-Brett, A.M. "Phenol and *p*-Substituted Phenols Electrochemical Oxidation Pathways," *J. Electroanal. Chem.*, (2011) DOI:10.1016/j.jelechem.2011.02.022.
- Esteve-Romero, J. Escrig-Tena, I. Simó-Alfonso E.F. and Ramis-Ramos, G. "Determination of Thyreostatics in Animal Feed by Micellar Electrokinetic Chromatography," *Analyst*, **124** (1999) 125–128.
- Eustaquino, A. Graham, P. Jee, R.D. Moffat, A.C. and Trafford, A.D. "Quantification of Paracetamol in Intact Tablets using Near-Infrared Transmittance Spectroscopy," *Analyst*, **123** (1998) 2303–2306.
- Evagen'ev, M.I. Garmonov, S.Y. and Shakirova, L.S "Flow-Injection Analysis of Pharmaceuticals," *J. Anal. Chem.*, **56** (2001) 313–323.
- Farghaly, O.A. and Ghandour, M.A. "Square-Wave Stripping Voltammetry for Direct Determination of Eight Heavy Metals in Soil and Indoor-Airborne Particulate Matter," *Environ. Research*, **97** (2005) 229–235.
- Fayed, A.S. Shehata, M.A-A. Hassan, N.Y. and El-Weshahy, S.A. "Validated HPLC and HPTLC Stability Indicating Methods for Determination of Alfuzosin Hydrochloride in Bilk Powder and Pharmaceutical Formulations," *J. Sep. Sci.*, **29** (2006) 2716–2724.
-

- Fe'rey, G. Mellot-Draznieks, C. Serre, C. Millange, F. Dutour, J. Surble' S. and Margiolaki, I. "A Chromium Terephthalate-based Solid with Unusually Large Pore Volumes and Surface Area," *Science*, **309** (2005) 2040–2042.
- Fei, B.L. Sun, W.Y. Okamura, T.A. Tang, W.X. Ueyama, N. "Synthesis and Crystal Structure of a Luminescent Infinite 2D Brick-Wall Network with Two- and Three-Coordinate Silver(I) Atoms and Ligand-Unsupported Silver-Silver Interactions," *New. J. Chem.*, **25** (2001) 210–212.
- Ferrer, M. Rodri'guez, L. Rossell, O. Pina, F. Lima, J.C. Font-Bardi'a M. and Solans, X. "Linear Ditopic Acetylide Gold or Mercury Complexes: Synthesis and Photophysical Studies X-Ray Crystal Structure of $\text{PPh}_4[\text{Au}(\text{C}\equiv\text{CC}_5\text{H}_4\text{N})_2]$," *J. Organomet. Chem.*, **678** (2003) 82–89.
- Fletcher, P. Andrew, K.N. Calokerinos, A.C. Forbes, S. and Worsfold, P.J. "Analytical Applications of Flow Injection with Chemiluminescence Detection—A Review," *Luminescence*, **16** (2001) 1–23.
- Fogg, A.G. and Ahmed, Y.Z. "Determination of Sub-Micromolar Concentrations of Sulphonamides by Differential Pulse Polarography after Diazotisation and Coupling with 1-Naphthol," *Anal. Chim. Acta*, **70** (1974) 241–244.
- Fromm, K.M. Gueneau, E.D. Robin, A.Y. Maudez, W. Sague, J. and Bergougnant, R. "Recent Advances in the Chemistry of "Clusters" and Coordination Polymers of Alkali, Alkaline Earth Metal and Group 11 Compounds," *Zeitschrift fuer Anorganische und Allgemeine Chemie.*, **631** (2005) 1725–1740.
- Frost, R.P. Hussain, M.S. and Raghani, A.R. "Determination of Pharmaceutical Process Impurities by Solid Phase Microextraction Gas Chromatography," *J. Sep. Sci.*, **26** (2003) 1097–1011.
- Fu, Z.Y. Wu, X.T. Dai, J.C. Wu, L.M. Cui, C.P. and Hu, S.M. "Interpenetration in $[\text{Cd}(\text{Isonicotinate})_2(1,2\text{-Bis}(4\text{-Pyridyl})\text{Ethane})_{0.5}(\text{H}_2\text{O})]_n$, A Novel Octahedral Polymer Containing an Unusual Two-Dimensional Bilayer Motif Generated By Self-Assembly of Rectangle Building Blocks," *Chem. Comm.*, **18** (2001) 1856–1857.
- Fun, H.K. Raj, S.S.S. Xiong, R.G. Zuo, J.L. Yu, Z. and You, X.Z. "A Three-Dimensional Network Coordination Polymer, (Terephthalato)(Pyridine)Cadmium, with Blue Fluorescent Emission," *Dalton Trans.*, **12** (1999) 1915–1916.
- Gadhari, N.S. Sanghavi, B.J. and Srivastava, A.K. "Potentiometric Stripping Analysis of Antimony Based on Carbon Paste Electrode Modified with Hexathia Crown Ether and Rice Husk," *Anal. Chim. Acta*, **703** (2011) 31–40.
- Gadhari, N.S. Sanghavi, B.J. Karna, S.P. and Srivastava, A.K. "Potentiometric Stripping Analysis of Bismuth based on Carbon Paste Electrode Modified with Cryptand [2.2. 1] and Multiwalled Carbon Nanotubes," *Electrochim. Acta*, **56** (2010) 627–635.

- Gao, L. Partyka, D.V. Updegraff, J.B. Deligonul, N. and Gray, T.G. "Synthesis, Structures, and Excited-State Geometries of Alkynylgold(I) Complexes," *Eur. J. Inorg. Chem.*, **48** (2009) 2711–2719.
- Georgiou, C.A. Koupparis, M.A. and Hardjiionnou, T.P. "Flow–Injection Stopped–Flow Kinetic Spectrophotometric Determination of Drugs, Based on Micellar–Catalysed Reaction with 1–Fluoro–2, 4–dinitrobenzene," *Talanta*, **38** (1991) 689–696.
- Ghoneim, M.M. Radi, A. and Beltagi, A.M. "Determination of Norfloxacin by Square–Wave Adsorptive Voltammetry on a Glassy Carbon Electrode," *J. Pharm. Biomed. Anal.*, **25** (2001) 205–210.
- Ghoreishi, S.M. Behpour, M. Hajisadeghian, E. and Golestaneh, M. "Voltammetric Determination of Resorcinol on the Surface of a Glassy Carbon Electrode Modified with Multi–Walled Carbon Nanotube," *Arabian Journal of Chemistry*, (2012) doi.org/10.1016/j.arabjc.2012.04.009.
- Givianrad, M.H. Saber–Tehrani, M. Aberoomand–Azar, P. and Mohagheghian, M. "H–Point Standard Additions Method for Simultaneous Determination of Sulfamethoxazole and Trimethoprim in Pharmaceutical Formulations and Biological Fluids with Simultaneous Addition of two Analytes," *Spectrochimica Acta Part A*, **78** (2011) 1196–1200.
- Gomez–Lor, B. Gutierrez–Puebla, E. Iglesias, M. Monge, M.A. Ruiz–Valero, C. and Snejko, N. "In₂(OH)₃(BDC)_{1.5} (BDC=1,4–Benzendicarboxylate): An In(III) Supramolecular 3D Framework with Catalytic Activity," *Inorg. Chem.*, **41** (2002) 2429–2432.
- Goodgame, D.M.L. Williams, D.J. and Winpenny, R.E.P. "Novel Bimetallic Macrocyclic Polymer Structures Incorporating Deprotonated 2–Pyrrolidone Bridges: The Crystal Structures of [$\{Hg_2Cu(C_4H_6NO)_4\}X_2\}_n$ (X = NO₃ or ClO₄)," *Angew. Chem. Int. Ed. Engl.*, **26** (1987) 1044–1045.
- Gorog, S. and Szasz, G.Y. *Analysis of Steroid Hormone Drugs*, Elsevier, Amsterdam, 1978.
- Gorog, S. *Quantitative Analysis of Steroids*, Elsevier, Amsterdam, 1983.
- Gumieniczek, A. Hopkala, H. and Bereka, A. "Reversed–Phase Thin–Layer Chromatography of three new Oral Antidiabetics and Densitometric Determination of Pioglitazone," *J. Liq. Chromatogr. Relat. Technol.*, **27** (2004) 2057–2070.
- Halder, G.J. Kepert, C.J. Moubaraki, B. Murray, K.S. and Cashion, J.D. "Guest–Dependent Spin Crossover in a Nanoporous Molecular Framework Material," *Science*, **298** (2002) 1762–1765.
- Hallam, P.M. Kampouris, D.K. Kadara, R.O. and Banks, C.E. "Graphite Screen Printed Electrodes for the Electrochemical Sensing of Chromium(VI)," *Analyst*, **135** (2010) 1947–1952.

- Hammam, E. Beltagi, A.M. and Ghoneim, M.M. "Voltammetric Assay of Rifampicin and Isoniazid Drugs, Separately and Combined in Bulk, Pharmaceutical Formulations and Human Serum at a Carbon Paste Electrode," *Microchem. J.*, **77** (2004) 53–62.
- Hamoudora, R. and Pospisilova, M. "Determination of Ibuprofen and Flurbiprofen in Pharmaceuticals by Capillary Zone Electrophoresis," *J. Pharm. Biomed. Anal.*, **41** (2006) 1463–1467.
- Hamoudova, R. Pospisilova, M. Kavalirova, A. Solich P. and Sicha, J. "Separation and Determination of Clotrimazole, Methylparaben and Propylparaben in Pharmaceutical Preparation by Micellar Electrokinetic Chromatography," *J. Pharm. Biomed. Anal.*, **40** (2006) 215–219.
- Hauze, P. Thabet, H. Delfour, A. Larrouy, L. Bricon, T.L. and Baud, F.J. "Quantification of Pralidoxime Methylsulfate (Contrathion®) in Human Urine by Capillary Zone Electrophoresis," *J. Chromatogr. B*, **826** (2005) 63–68.
- He, X. Cheng, E.C.C. Zhu, N. and Yam, V.W.W. "Selective Ion Probe for Mg^{2+} based on $Au(I)\cdots Au(I)$ Interactions in a Tripodal Alkynylgold(I) Complex with Oligoether Pendants," *Chem. Commun.*, (2009) 4016–4018.
- Herren, F. Fischer, P. Ludi, A. and Hälg, W. "Neutron Diffraction Study of Prussian Blue, $Fe_4[Fe(CN)_6]_3 \cdot xH_2O$, Location of Water Molecules and Long-Range Magnetic Order," *Inorg. Chem.*, **19** (1908) 956–959.
- Hirianna, S.G. and Basavaiah, K. "Isolation and Characterization of Process Related Impurities in Anastrozole Active Pharmaceutical Ingredient," *J. Brazil Chem. Soc.*, **19** (2008) 397–404.
- Hong, M. Su, W. Cao, R. Fujita, M. and Lu, J. "Assembly of Silver(I) Polymers with Helical and Lamellar Structures," *Chem. Eur. J.*, **6** (2000) 427–431.
- Horcajada, P. Chalati, T. Serre, C. Gillet, B. Sebrie, C. Baati, T. Eubank, J.F. Heurtaux, D. Clayette, P. Kreuz, C. Chang, J.S. Hwang, Y.K. Marsaud, V. Bories, P.N. Cynober, L. Gil, S. Férey, G. Couvreur, P. and Gref, R. "Porous Metal–Organic–Framework Nanoscale Carriers as a Potential Platform for Drug Delivery and Imaging," *Nat. Mater.*, **9** (2010) 172–178.
- Horike, S. Shimomura, S. and Kitagawa, S. "Soft Porous Crystals," *Nat. Chem.*, **1** (2009) 695–704.
- Horikoshi, R. Mochida, T. Maki, N. Yamada, S. and Moriyama, H. "Coordination Polymer Complexes of 4,4'-Dipyridyldisulfide and AgX ($X = PF_6^-$, ClO_4^- , Ots^- , NO_3^- , BF_4^-) with Twisted Rhomboid Networks, 2-D Sheets, and 1-D Chain Structures," *Dalton Trans.*, **1** (2002) 28–33.
- Hoskins, B.F. and Robson, R. "Design and Construction of a New Class of Scaffolding-like Materials Comprising Infinite Polymeric Frameworks of 3D-Linked Molecular Rods. A Reappraisal of the Zinc cyanide and Cadmium cyanide Structures
-

and the Synthesis and Structure of the Diamond-related Frameworks $[N(CH_3)_4][Cu^I Zn^{II}(CN)_4]$ and $Cu^I[4,4',4'',4''']$ -tetracyanotetraphenylmethane]BF₄.x C₆H₅NO₂" *J. Am. Chem. Soc.*, **112** (1990) 1546–1554.

Hou, H. Meng, X. Song, Y. Fan, Y. Zhu, Y. Lu, H. Du, C. and Shao, W. "Two-Dimensional Rhombohedral Grid Coordination Polymers $[M(bbtt)_2(NCS)_2]_n$ (M = Co, Mn, or Cd; bbtt = 1,1'-(1,4-butanediyl)bis-1H-benzotriazole): Synthesis, Crystal Structures, and Third-Order Nonlinear Optical Properties," *Inorg. Chem.*, **41** (2002) 4068–4075.

Hu, S.M. Niu, H.L. Qiu, L.G. Yuan, Y.P. Jiang, X. Xie, A.J. Shen, Y.H. and Zhu, J.F. "Facile Synthesis of Highly Luminescent Nanowires of a Terbium-based Metal-Organic Framework by an Ultrasonic-Assisted Method and their Application as a Luminescent Probe for Selective Sensing of Organoamines," *Inorg. Chem. Commun.*, **17** (2012) 147–150.

Huang, Z. Song, H.B. Du, M. Chen, S.T. Bu, X.H. and Ribas, J. "Coordination Polymers Assembled from Angular Dipyridyl Ligands and Cu^{II}, Cd^{II}, Co^{II} Salts: Crystal Structures and Properties," *Inorganic chemistry*, **43** (2004) 931–944.

Hunks, W.J. Jennings, M.C. and Puddephatt, R.J. "Self-Association in Gold Chemistry: A Tetragold(I) Complex Linked by Both Auophilic and Hydrogen Bonding" *Inorg. Chem.*, **39** (2000) 2699–2702.

Imaz, I. Maspoch, D. Rodríguez-Blanco, C. Pérez-Falcón, J. Campo, J. and Ruiz-Molina, D. "Valence-Tautomeric Metal-Organic Nanoparticles," *Angew. Chem. Int. Ed.*, **47** (2008) 1857–1860.

Irwin, M.J. Vittal, J.J. and Puddephat, R.J. "Luminescent Gold(I) Acetylides: From Model Compounds to Polymers," *Organometallics*, **16** (1997) 3541–3547.

Janiak, C. "Engineering Coordination Polymers Towards Applications," *Dalton Trans.*, **14** (2003) 2781–2804.

Janik, C. "A Critical Account on π - π Stacking in Metal Complexes with Aromatic Nitrogen-Containing Ligands," *Dalton Trans.*, **21** (2000), 3885–3896.

Jia, G. Puddephatt, R.J. Scott, J. and Vittal, J.J. "Organometallic Polymers with Gold(1) Centers Bridged by Diphosphines and Diacetylides," *Organometallics*, **12** (1993) 3565–3574.

Jiang, H.L. and Xu, Q. "Porous Metal-Organic Frameworks as Platforms for Functional Applications," *Chem. Commun.*, **47** (2011) 3351–3370.

Jimenez-Prieto, R. and Silva, M. "Improved Simultaneous Reaction-Rate Determination of Phosphate and Silicate by use of the Continuous Addition of Reagent Technique," *Analyst*, **123** (1998) 2389–2394.

- Jin, L.N. Liu, Q. Lu, Y. and Sun, W.Y. "Ultrasonic-Assisted Solution-Phase Synthesis of Gadolinium Benzene-1,4-Dicarboxylate Hierarchical Architectures and their Solid-State Thermal Transformation," *Cryst. Eng. Comm.*, **14** (2012) 3515–3520.
- John, P. and Soutar, I. "Identification of Crude Oils by Synchronous Excitation Spectrofluorimetry," *Anal. Chem.*, **48** (1976) 520–524.
- Kachosangi, R.T. Wildgoose, G.G. and Compton, R.G. "Using Capsaicin Modified Multiwalled Carbon Nanotube Based Electrodes and *p*-Chloranil Modified Carbon Paste Electrodes for the Determination of Amines: Application to Benzocaine and Lidocaine," *Electroanalysis*, **20** (2008) 2495–2500.
- Karlberg, B. and Pacey, G.C. *Flow-Injection Analysis: A Practical Guide Techniques and Instrumentation in Analytical Chemistry*. Elsevier, Amsterdam, 1989.
- Karthikeyan, S. Potisek, S.L. Piermattei, A. and Sijbesma, R.P. "Highly Efficient Mechanochemical Scission of Silver-Carbene Coordination Polymers," *J. Am. Chem. Soc.*, **130** (2008) 14968–14969.
- Ke, F. Zhu, J. Qiu, L.G. and Jiang, X. "Controlled Synthesis of Novel Au@MIL-100(Fe) Core-Shell Nanoparticles with Enhanced Catalytic Performance," *Chem. Commun.*, **49** (2013) 1267–1269.
- Khan, N.A. Kang, I.J. Seok, H.Y. and Jung, S.H. "Facile Synthesis of Nano-Sized Metal-Organic Frameworks, Chromium-benzenedicarboxylate, MIL-101," *Chem. Eng. J.*, **166** (2011) 1152–1157.
- Khlobystov, A.N. Blake, A.J. Champness, N.R. Lemenovskii, D.A. Majouga, A.G. Zyk, N.V. and Schroder, M. "Supramolecular Design of One-Dimensional Coordination Polymers Based on Silver(I) Complexes of Aromatic Nitrogen-Donor Ligands," *Coord. Chem. Rev.*, **222** (2001) 155–192.
- Kim, H.J. Lee, E. Park, H.S. and Lee, M. "Dynamic Extension-Contraction Motion in Supramolecular Springs," *J. Am. Chem. Soc.*, **129** (2007) 10994–10995.
- Kim, J. Piao, Y. and Hyeon, T. "Multifunctional Nanostructured Materials for Multimodal Imaging, and Simultaneous Imaging and Therapy," *Chem. Soc. Rev.*, **38** (2009) 372–390.
- Kinoshita, Y. Matsubara, I. Higuchi, T. and Saito, Y. "The Crystal Structure of bis(adiponitrilo)copper(I) nitrate," *Bull. Chem. Soc. Jpn.*, **32** (1959) 1221–1226.
- Kitagawa, S. and Noro, S. "Coordination Polymers: Infinite Systems," *Compreh. Coord. Chem.*, **7** (2004) 231–261.
- Kitagawa, S. Kitaura, R. and Noro, S.I. "Functional Porous Coordination Polymers," *Angew. Chem., Int. Ed.*, **43** (2004) 2334–2375.
-

- Kitaura, R. Fujimoto, K. Noro, S. Kondo, M. and Kitagawa, S. "A Pillared-Layer Coordination Polymer Network Displaying Hysteretic Sorption: $[\text{Cu}_2(\text{pzdc})_2(\text{dpyg})]_n$ (pzdc=Pyrazine-2,3-dicarboxylate; dpyg=1,2-Di(4-pyridyl)glycol)," *Angew. Chem. Int. Ed.*, **41** (2002) 133–135.
- Konstantianos, G.I. Ioannou, P.C. Stratikos, E. "Simultaneous Determination of Naproxen and its Desmethyl Metabolite in Human Serum by Second-Derivative Synchronous Fluorescence Spectrometry," *Anal. Chim. Acta.*, **290** (1994) 34–39.
- Kubacak, P., Mikus, P., Valaskova, I., and Havranek, E. "Determination of Promethazine Hydrochloride in Pharmaceuticals by Capillary Isotachopheresis," *Methods find. Exp. Clin. Pharmacol.*, **8** (2005) 529–533.
- Kubota, Y. Takata, M. Matsuda, R. Kitaura, R. Kitagawa, S. Kato, K. Sakata, M. and Kobayashi, T.C. "Direct Observation of Hydrogen Molecules Adsorbed onto a Microporous Coordination Polymer," *Angew. Chem. Ed. Engl.*, **44** (2005) 920–923.
- Kuo, C.H. Tang, Y. Chou, L.Y. Sneed, B.T. Brodsky, C.N. Zhao, Z. and Tsung, C.K. "Yolk-Shell Nanocrystal@ZIF-8 Nanostructures for Gas-Phase Heterogeneous Catalysis with Selectivity Control," *J. Am. Chem. Soc.*, **134** (2012) 14345–14348.
- Lasdun, A.M. Kurumbail, R.R. Leimgruber, N.K. and Rathore, A.S. "Validatibility of A Capillary Isoelectric Focusing Method for Impurity Quantitation," *J. Chromatogr. A*, **917** (2001) 147–158.
- Li, T. Donner, A.D. Choi, C.Y. Frunzi, G.P. and Morris, K.R. "A Statistical Support for using Spectroscopic Methods to Validate the Content Uniformity of Solid Dosage Forms," *J. Pharm. Sci.*, **92** (2003) 1526–1530.
- Li, X.W. Yang, B.L. Wu, Y.Y. and Lin, H.Y. "Determination of Atropine in Injection with β -Cyclodextrin Modified Ion Sensitive Field Effect Transistor Sensor," *Sensors*, **5** (2005) 604–612.
- Li, Z.Q. Qiu, L.G. Wang, W. Xu, T. Wu, Y. and Jiang, X. "Fabrication of Nanosheets of a Fluorescent Metal-Organic Framework $[\text{Zn}(\text{BDC})(\text{H}_2\text{O})]_n$ (BDC=1,4-Benzenedicarboxylate): Ultrasonic Synthesis and Sensing of Ethylamine," *Inorg. Chem. Commun.*, **11** (2008) 1375–1377.
- Li, Z.Q. Qiu, L.G. Xu, T. Wu, Y. Wang, W. Wu, Z.Y. and Jiang, X. "Ultrasonic Synthesis of the Microporous Metal-Organic Framework $\text{Cu}_3(\text{BTC})_2$ at Ambient Temperature and Pressure: An Efficient and Environmentally Friendly Method," *Mater. Lett.*, **63** (2009) 78–80.
- Li, Z-M. Wei, C-W. Zhang, Y. Wang, D-S. and Liu, Y-N. "Investigation of Competitive Binding of Ibuprofen and Salicylic Acid with Serum Albumin by Affinity Capillary Electrophoresis," *J. Chromatogr. B*, **879** (2011) 1934–1938.

- Lima, E.M. Diniz, D.G.A. and Antoniosi-Filho, N.R. "Development of the Gas Chromatography Method for Determination of Isotretinoin and its Degradation Product in Pharmaceuticals," *J. Pharm. Biomed. Anal.*, **38** (2005) 678–685.
- Lin, W. Rieter, W.J. and Taylor, K.M.L. "Modular Synthesis of Functional Nanoscale Coordination Polymers," *Angew. Chem. Int. Ed.*, **48** (2009) 650–658.
- Lindon, J.C. Nicholson, J.K. and Wilson, I.D. "Directly coupled HPLC–NMR and HPLC–NMR–MS in Pharmaceutical Research and Development," *J. Chromatogr. B Biomed. Sci. Appl.*, **748** (2000) 233–258.
- Liu, J.P. Abid, S. and Lee, M.S. "Analysis of Monoclonal Antibody Chimeric BR96–Doxorubicin Immunoconjugate by Sodium Dodecyl Sulfate–Capillary Gel Electrophoresis with Ultraviolet and Laser–Induced Fluorescence Detection," *Anal. Biochem.*, **229** (1995) 221–228.
- Liu, Q. Yang, J.M. Jin, L.N. Sun, W.Y. "Metal Ion Induced Porous HKUST–1 Nano/Microcrystals with Controllable Morphology and size," *Cryst. Eng. Comm.*, **14** (2014) 3515–3521.
- Liu, W. Wu, L. Zhang, X. and Chen, J. "Simultaneous Electrochemical Determination of Hydroquinone, Catechol and Resorcinol at Nitrogen Doped Porous Carbon Nanopolyhedrons–Multiwall Carbon Nanotubes Hybrid Materials Modified Glassy Carbon Electrode," *Bull. Korean Chem. Soc.*, **35** (2014) 204–210.
- Liu, X. Susic, Z. and Krull, I.S. "Capillary Isoelectric Focusing as a Tool in the Examination of Antibodies, Peptides and Proteins of Pharmaceutical Interest," *J. Chromatogr. A*, **735** (1996) 165–190.
- Lu, G. Li, S. Guo, Z. Farha, O.K. Hauser, B.G. Qi, X. Wang, Y. Wang, X. Han, S. Liu, X. DuChene, J.S. Zhang, H. Zhang, Q. Chen, X. Ma, J. Loo, S.C.J. Wei, W.D. Yang, Y. Hupp, J.T. and Huo, F. "Imparting Functionality to a Metal–Organic Framework Material by Controlled Nanoparticle Encapsulation," *Nat. Chem.*, **4** (2012) 310–316.
- Luypaert, J. Massart, D.L. and Vander–Heyden, Y. "Near–Infrared Spectroscopy for use in Product and Process Monitoring in the Food Industry," *Talanta*, **72** (2007) 865–883.
- Ma, J.F. Yang, J. Li, S.L. Song, S.Y. Zhang, H.J. Wang, H.S. and Yang, K.Y. "Two Coordination Polymers of Ag(I) with 5–Sulfosalicylic Acid," *Cryst. Grow. Des.*, **5** (2005) 807–812.
- Maali, N.A. Ali, A.M.M. and Ghandour, M.A. "Electrochemical Reduction and Oxidation of two Cephalosporin Antibiotics: Ceftriaxone (Rocephin) and Cefoperazone (Cefobid)," *Electroanalysis*, **5** (1993) 599–604.
- Malet–Martino, M. and Holzgrabe, U. "NMR Techniques in Biomedical and Pharmaceutical Analysis," *J. Pharm. Biomed. Anal.*, **55** (2011) 1–15.
-

- Manson, J.L. Lancaster, T. Chapon, L.C. Blundell, S.J. Schlueter, J.A. Brooks, M.L. Pratt, F.L. Nygren, C.L. and Qualls, J.S. "Cu(HCO₂)₂(pym) (pym = pyrimidine): Low-Dimensional Magnetic Behavior and Long-Range Ordering in a Quantum-Spin Lattice," *Inorg. Chem.*, **44** (2005) 989–995.
- Marona, H.R.N. and Schapoval, E.E.S. "Development and Validation of a Nonaqueous Titration with Perchloric Acid to Determine Sparfloxacin in Tablets," *Eur. J. Pharm. Biopharm.*, **52** (2001) 227–229.
- Marquez, M. Silva, M. and Perez-Bendito, D. "Performance of the Continuous Addition of Reagent Technique in Fluorimetric Reaction-Rate Methods. Determination of Thiamine at the Nanomolar Level," *Anal. Lett.*, **22** (1989) 2485–2500.
- Martinez-Pla, J.J. Martin-Biosca, Y. Sagrendo, S. Villanueva-Camanas, R.M. and Medina-Hernandez, M.J. "Fast Eantiometric Separation of Propranolol by Affinity Capillary Electrophoresis using Human Serum as Chiral Selector: Application to Quality Control of Pharmaceuticals," *Anal. Chim. Acta.*, **507** (2004) 171–178.
- Matsuda, R. Kitaura, R. Kitagawa, S. Kubota, Y. Kobayashi, T.C. Horike, S. and Takata, M. "Guest Shape-Responsive Fitting of Porous Coordination Polymer with Shrinkable Framework," *J. Am. Chem. Soc.*, **126** (2004) 14063–14070.
- McWilliams, I.G. "Derivative Spectroscopy and its Application to the Analysis of Unresolved Bands," *Anal. Chem.*, **41** (1969) 674–676.
- Meilikhov, M. Yussenko, K. Esken, D. Turner, S. Tendeloo, G.V. and Fisher, R.A. "Metals@ MOFs—Loading Mofs with Metal Nanoparticles for Hybrid Functions," *Eur. J. Inorg. Chem.*, (2010) 3701–3714.
- Merckle, P. and Kovar, K.A. "Assay of Effervescent Tablets by Near-Infrared Spectroscopy in Transmittance and Reflectance Mode: Acetylsalicylic Acid in Mono and Combination Formulations," *J. Pharm. Biomed. Anal.*, **17** (1998) 365–374.
- Min, K.S. and Suh, M.P. "Silver(I)-Polynitrile Network Solids for Anion Exchange: Anion-Induced Transformation of Supramolecular Structure in the Crystalline State," *J. Am. Chem. Soc.*, **122** (2000) 6834–6840.
- Miyoshi, T. Iwamoto, T. and Sasaki, Y. "The Crystal Structure of the Benzene Clathrate with the Ethylenediamine-Bridge Host Lattice; Cd(en)Ni(CN)₄·2C₆H₆," *Inorg. Nucl. Chem. Lett.*, **6** (1970) 21–24.
- Moffat, A.C. Trafford, A.D. Jee, R.D. and Graham, P. "Meeting of the International Conference on Harmonisation's Guidelines on Validation of Analytical Procedures: Quantification as Exemplified by a Near-Infrared Reflectance Assay of Paracetamol in Intact Tablets," *Analyst*, **125** (2000) 1341–1351.
- Molt, K. Zeyen, F. and Podpetschnig-fopp, E. "Quantitative Nahinfrarotspektrometrie am Beispiel Der Bestimmung Des Wirkstoffgehaltes Von Tolbutamid-Tabletten," *Phar. Ind.*, **58** (1996) 847–852.

- Monferrer-Pons, L. Alvarez-Rodríguez, L. Esteve-Romero, J. and Garcia-Alvarez-Coque, M.C. "Spectrophotometric Determination of B-6 Vitamins by Coupling with Diazotized P-Sulfanilic Acid in Micellar Medium of N-Cetylpyridinium Chloride," *Anal. Lett.*, **32** (1999) 51–63.
- Moon, H.R. Kim, J.H. and Suh, M.P. "Redox-Active Porous Metal-Organic Framework Producing Silver Nanoparticles from Ag^I Ions at Room Temperature," *Angew. Chem. Int. Ed.*, **44** (2005) 1261–1265.
- Moulton, B. and Zaworotko, M.J. "From Molecules to Crystal Engineering: Supramolecular Isomerism and Polymorphism in Network Solids," *Chem. Rev.*, **101** (2001) 1629–1658.
- Moulton, B. Lu, J. Hajndl, R. Hariharan, S. and Zaworotko, M.J. "A Self-Assembled Porphyrin Box from *meso-meso*-Linked Bis{5-*p*-pyridyl-15-(3,5-di-octyloxyphenyl)porphyrinato zinc(II)}," *Angew. Chem. Ed. Engl.*, **41** (2002) 2821–2824.
- Munakata, M. Wu, L.P. and Kuroda-Sowa, T. "Toward the Construction of Functional Solid-State Supramolecular Metal Complexes Containing Copper(I) and Silver(I)," *Adv. Inorg. Chem.*, **46** (1999) 173–303.
- Narang, J. Malhotra, N. Singh, S. Singh, G. and Pundir, C.S. "Monitoring Analgesic Drug using Sensing Method Based on Nanocomposite," *RSC Adv.*, **5** (2015) 2396–2404.
- Ne'meth, K. Ta'rká'nyi, G. Varga, E. Imre, T. Mizsei, R. Iva'nyi, R. Visy, J. Szema'n, J. Jicsinszky, L. Szente, L. and Simonyi, M. "Enantiomeric Separation of Antimalarial Drugs by Capillary Electrophoresis using Neutral and Negatively Charged Cyclodextrins," *J. Pharm. Biomed. Anal.*, **54** (2011) 475–481.
- Nehmé, R. Lascaux, A. Delépée, R. Claude, B. and Morin, P. "Capillary Electrophoresis Procedure for the Simultaneous Analysis and Stoichiometry Determination of a Drug and its Counter-Ion by using Dual-Opposite End Injection and Contactless Conductivity Detection: Application to labetalol hydrochloride," *Anal.Chim.Acta*, **663** (2010) 190–197.
- Nevado, J.J. Flores, J.R. Penalvo, G.C. Bernardo, F.J.G. "Development and Validation of a Capillary Zone Electrophoresis Method for the Determination of Propranolol and N-Desisopropylpropranolol in Human Urine," *Analytica Chimica Acta*, **559** (2006) 9–14.
- Noro, S. Kitagawa, S. Kondo, M. and Seki, K. "A New, Methane Adsorbent, Porous Coordination Polymer [$\{\text{CuSiF}_6(4,4'\text{-bipyridine})_2\}_n$]," *Angew. Chem. Ed. Engl.*, **39** (2000) 2081–2084.
- Noro, S. Miyasaka, H. Kitagawa, S. Wada, T. Okubo, T. Yamashita, M. and Mitani, T. "Framework Control by a Metalloligand having Multicoordination Ability: New
-

- Synthetic Approach for Crystal Structures and Magnetic Properties,” *Inorg. Chem.*, **44** (2005) 133–146.
- Novio, F. Lorenzo, J. Nador, F. Wnuk, K. and Ruiz–Molina, D. “Carboxyl Group (CO₂H) Functionalized Coordination Polymer Nanoparticles as Efficient Platforms for Drug Delivery,” *Chem. Eur. J.*, **20** (2014) 15443–15450.
- Novio, F. Simmchen, J. Vázquez–Mera, N. Amorín–Ferré, L. and Ruiz–Molina, D. “Coordination Polymer Nanoparticles in Medicine,” *Coord. Chem. Rev.*, **257** (2013) 2839–2847.
- O’Haver, T.C. and Begley, T. “Signal–to–Noise Ratio in Derivative Spectroscopy,” *Anal. Chem.*, **53** (1961) 1876–1878.
- O’Haver, T.C. In, E.L. Wehry (Ed.), *In: Modern Fluorescence Spectroscopy*, Plenum Press, New York, **1** (1976) 65.
- Oxtoby, N.S. Blake, A.J. Champness, N.R. and Wilson, C. “2–Mercapto–1,3,4–Thiazole Ligands: An Eminent Ligand,” *Proc. Natl. Acad. Sci. USA*, **99** (2002) 4905.
- Ozkan, S.A. Erk, N. Uslu, B. Yilmaz, N. and Biryol, I. “Study on Electrooxidation of Cefadroxil Monohydrate and its Determination by Differential Pulse Voltammetry,” *J. Pharm. Biomed. Anal.*, **23** (2000) 263–273.
- Patra, G.K. and Goldberg, I. “Coordination Polymers of Transition Metal Ions with Polydentate Imine Ligands. Syntheses, Materials Characterization, and Crystal Structures of Polymeric Complexes of Copper(I), Silver(I) And Zinc(II),” *Dalton Trans.*, **6** (2002) 1051–1057.
- Pavic, K. Cudina, O. Agbaba, D. and Valdimirov, S. “Quantitative Analysis of Cyproterone Acetate and Ethinylestradiol in Tablets by use of Planar Chromatography,” *J. Planar Chromatogr. Mod., TLC* **16** (2003) 45–47.
- Pe´rez–Bendito, D.G. Go´mez–Hens, A. and Silva, M. “Advances in Drug Analysis by Kinetic Methods,” *J. Pharm. Biomed. Anal.*, **14** (1999) 917–930.
- Peer, D. Karp, J.M. Hong, S. Farokhzad, O.C. Margalit, R. and Langer, R. “Nanocarriers as an Emerging Platform for Cancer Therapy,” *Nat. Nanotechnol.*, **2** (2007) 751–760.
- Pena, J.M. Rubio, S. and Perez–Bendito, D. “Kinetic Wavelength–Pair Method as an Alternative Approach to Simultaneous Multi–Component Analysis,” *Anal. Chim. Acta.*, **244** (1991) 81–88.
- Pospisilova, M. Kavalirova, A. and Polasek, M. “Assay of Acebutolol in Pharmaceuticals by Analytical Capillary Isotachopheresis,” *J. Chromatogr. A*, **1081** (2005) 72–76.

- Powell, H.M. and Rayner, J.H. "Clathrate Compound Formed by Benzene with an Ammonia–Nickel Cyanide Complex," *Nature*, **163** (1949) 566–567.
- Qian, C. Yuan, Y. He, X. Liu, J. Shao, Q. Wu, H. Qiao, H. "A Sensitive HPLC–MS/MS Analysis of Dencichine in Rat Plasma and its Application to Pharmacokinetics," *Am. J. Anal. Chem.*, **3** (2012) 596–603.
- Qiu, L.G. Li, Z.Q. Wu, Y. Wang, W. Xu, T. and Jiang, X. "Facile Synthesis of Nanocrystals of a Microporous Metal–Organic Framework by an Ultrasonic Method and Selective Sensing of Organoamines," *Chem. Commun.*, (2008) 3642–3644.
- Rahman, N. and Kashif, M. "Hypothesis Testing for the Validation of the Kinetic Spectrophotometric Methods for the Determination of Lansoprazole in Bulk and Drug Formulations via Fe(III) and Zn(II) Chelates," *Drug Test Anal.*, **2** (2010) 137–143.
- Rahman, N. Anwar, N. and Kashif, M. "Application of *p*-Acceptors to the Spectrophotometric Determination of Lisinopril in Commercial Dosage Forms," *IL Farmaco*, **60** (2005a) 605–611.
- Rahman, N. Khatoon, A. and Rahman, H. "Studies on the Development of Spectrophotometric Method for the Determination of Haloperidol in Pharmaceutical Preparations," *Quim Nova*, **35** (2012) 392–397.
- Rahman, N. Siddiqui, S. and Azmi, S.N.H. "Spectrofluorimetric Method for the Determination of Doxepin Hydrochloride in Commercial Dosage Forms," *AAPS Pharm. Sci. Technol.*, **10** (2009) 1381–1387.
- Ramdani, O. Metters, J.P. Figueiredo–Filho, L.C. Fatibello–Filho, O. and Banks, C.E. "Forensic Electrochemistry: Sensing the Molecule of Murder Atropine," *Analyst*, **138** (2013) 1053–1059.
- Ramirez, J.L. Bellamy, M.K. and Romanach, R.J. "A Novel Method for Analyzing Thick Tablets by Near Infrared Spectroscopy," *Pharm. Sci. Technol.*, **2** (2001) 1–10.
- Rao, C.N.R. Ranganathan, A. Pedireddi, V.R. and Raju, A.R. "A Novel Hybrid Layer Compound Containing Silver Sheets and an Organic Spacer," *Chem. Comm.*, **1** (2000) 39–40.
- Reinscheid, U.M. "Direct Determination of Ciprofloxacin in Admixtures with Metronidazole and Ampicillin by NMR," *J. Pharm. Biomed. Anal.*, **40** (2006) 447–449.
- Rieter, W.J. Taylor, K.M.L. An, H. Lin, W. and Lin, W. "Nanoscale Metal–Organic Frameworks as Potential Multimodal Contrast Enhancing Agents," *J. Am. Chem. Soc.*, **128** (2006) 9024–9025.
- Rieter, W.J. Taylor, K.M.L. and Lin, W. "Surface Modification and Functionalization of Nanoscale Metal–Organic Frameworks for Controlled Release and Luminescence Sensing," *J. Am. Chem. Soc.*, **129** (2007) 9852–9852.
-

- Robin, A.Y. Fromm, K.M. Goesmann, H. and Bernardinelli, G. "Structural Relationship of two Coordination Polymers of Cu(I) with the Ligand Ethanediybis(isonicotinate)," *Cryst. Eng. Comm.*, **5** (2003) 405–410.
- Robin, A.Y. Meuwly, M. Fromm, K.M. Goesmann, H. and Bernardinelli, G. "How Many Structures are there for {[AgL](NO₃)(H₂O)_n}? Water-Content Dependent Variations in the Structures of {[AgL](NO₃)(H₂O)_n}, n=0,1,2; L=ethanediybis(isonicotinate)," *CrystEngComm.*, **6** (2004) 336–343.
- Robinson, F. and Zaworotko, M.J. "Triple Interpenetration in [Ag(4,4'-Bipyridine)][NO₃]: A Cationic Polymer with a Three-Dimensional Motif Generated by Self-Assembly of 'T-Shaped' Building Blocks," *Chem. Comm.*, **23** (1995) 2413–2414.
- Rocca, J.D. and Lin, W.B. "Nano-Scale Metal-Organic Frameworks: Magnetic Resonance Imaging Contrast Agents and Beyond," *Eur. J. Inorg. Chem.*, (2010) 3725–3734.
- Roesky, H.W. and Andruh, M. "The Interplay of Coordinative, Hydrogen Bonding and π - π Stacking Interactions in Sustaining Supramolecular Solid-State Architectures.: A Study Case of bis(4-Pyridyl) – and bis(4-Pyridyl-N-Oxide) Tectnons," *Coord. Chem. Rev.*, **236** (2003) 91–119.
- Ruzicka, J. and Hansen, E.H. "Flow Injection Analysis, Part I: A New Concept of Fast Continuous Flow Analysis," *Anal. Chim. Acta.*, **78** (1975) 145–157.
- Ruzicka, J. and Hansen, E.H. *Flow Injection Analysis*, 2nd Ed. Springer, New York, 1988.
- Salem, A.A. Mossa, H.A. and Barsoum, B.N. "Application of Nuclear Magnetic Resonance Spectroscopy for Quantitative Analysis of Miconazole, Metronidazole and Sulfamethoxazole in Pharmaceutical and Urine Samples," *J. Pharm. Biomed. Anal.*, **41** (2006) 654–661.
- Sanghavi, B.J. and Srivastava, A.K. "Adsorptive Stripping Differential Pulse Voltammetric Determination of Venlafaxine and Desvenlafaxine Employing Nafion-Carbon Nanotube Composite Glassy Carbon Electrode," *Electrochim. Acta*, **56** (2011b) 4188–4196.
- Sanghavi, B.J. and Srivastava, A.K. "Adsorptive Stripping Voltammetric Determination of Imipramine, Trimipramine and Desipramine Employing Titanium Dioxide Nanoparticles and an Amberlite XAD-2 Modified Glassy Carbon Paste Electrode," *Analyst*, **138** (2013) 1395–1404.
- Sanghavi, B.J. and Srivastava, A.K. "Simultaneous Voltammetric Determination of Acetaminophen, Aspirin and Caffeine using an in situ Surfactant-Modified Multiwalled Carbon Nanotube Paste Electrode," *Electrochim. Acta*, **55** (2010) 8638–8648.

- Sanghavi, B.J. Mobin, S.M. Mathur, P. Lahiri, G.K. and Srivastava, A.K. "Biomimetic Sensor for Certain Catecholamines Employing Copper(II) Complex and Silver Nanoparticle Modified Glassy Carbon Paste Electrode," *Biosens. Bioelectron.*, **39** (2013) 124–132.
- Sawaki, T. and Aoyama Y. "Immobilization of a Soluble Metal Complex in an Organic Network. Remarkable Catalytic Performance of a Porous Dialkoxyzirconium Polyphenoxide as a Functional Organic Zeolite Analogue," *J. Am. Chem. Soc.*, **121** (1999) 4793–4798.
- Sawaki, T. Dewa, T. and Aoyama, Y. "Immobilization of Soluble Metal Complexes with a Hydrogen–Bonded Organic Network as a Supporter. A Simple Route to Microporous Solid Lewis Acid Catalysts," *J. Am. Chem. Soc.*, **120** (1998) 8539–8540.
- Seward, C. Hu, N.X. and Wang, S. "1–D Chain and 3–D Grid Green Luminescent terbium(III) Coordination Polymers: $\{\text{Tb}(\text{O}_2\text{CPh})_3(\text{CH}_3\text{OH})_2(\text{H}_2\text{O})\}_n$ and $\{\text{Tb}_2(\text{O}_2\text{CPh})_6(4,4'\text{-bipy})\}_n$," *Dalton Trans.*, **2** (2001) 134–137.
- Sharma, V. Mhaske, D.V. Mahadik, M. Kadam, S.S. and Dhaneshwar, S.R. "UV and Three Derivative Spectrophotometric Methods for Determination of Ezetimibe in Tablet Formulation," *Indian J. Pharm. Sci.*, **70** (2008) 258–260.
- Shugam, F. and Zhdanov, H. "The Crystal Structure of Cadmium Cyanide," *Acta. Physio. Chim. URSS*, **20** (1945) 247–252.
- Shuker, S.B. Hajduk, P.J. Meadows, P.P. and Fesik, S.W. "Discovering High–Affinity Ligands for Proteins: SAR by NMR," *Science*, **274** (1996) 1531–1534.
- Snelleman, W. Rains, T.C. Yee, K.W. Cook, H.D. and Menis, O. "Flame Emission Spectroscopy with Repetitive Optical Scannign in the Derivative Mode," *Anal. Chem.*, **42** (1970) 394–398.
- Somuramasami, J. Wei, Y.C. Soliman, E.F. and Rustum, A.M. "Static Headspace Gas Chromatographic Method for the Determination of Low and High Boiling Residual Solvents in Betamethasone Valerate," *J. Pharm. Biomed. Anal.*, **54** (2011) 242–247.
- Srivatsa, G.S. Balt, M. Schuette, J. Carlson, R.H. Fitchett, J. Lee, C. and Cole, D.L. "Quantitative Capillary Gel Electrophoresis Assay of Phosphorothioate Oligonucleotides in Pharmaceutical Formulations," *J. Chromatogr. A*, **680** (1994) 469–477.
- Steiner, T. "The Hydrogen Bond in the Solid State," *Angew. Chem. Ed. Engl.*, **41** (2002) 48–76.
- Stewart, K.K. Beecher, G.R. and Hare, P.E. "Rapid Analysis of Discrete Samples: The Use of Nonsegmented, Continuous Flow," *Anal. Biochem.*, **70** (1976) 167–173.
-

- Sultan, S.M. and Walmsley, A.D. "Simultaneous Kinetic Method for the Determination of Vitamin-C, Citrate and Oxalate Employing the Kalman Filter," *Analyst*, **122** (1997) 1601–1604.
- Sun, D. Cao, R. Weng, J. Hong, M. and Liang, Y. "A Novel Luminescent 3D Polymer Containing Silver Chains formed by Ligand Unsupported Ag–Ag Interactions and Organic Spacers," *Dalton Trans.*, **3** (2002) 291–292.
- Szepesi, G. and Nyiredy, S. Pharmaceutical and drugs. In: Sherma, J., Fried, B. (Eds.), *Handbook of Thin-Layer Chromatography*, 2nd ed. Marcel Dekker, New York, (1996) 208–235.
- Takizawa, S. Somei, H. Jayaprakash, D. and Sasai, H. "Metal–Bridged Polymers as Insoluble Multicomponent Asymmetric Catalysts with High Enantiocontrol: An Approach for the Immobilization of Catalysts without using any Support," *Angew. Chem. Ed. Engl.* **42** (2003) 5711–5714.
- Tanaka, D. Henke, A. Albrecht, K. Moeller, M. Nakagawa, K. Kitagawa, S. and Groll, J. "Rapid Preparation of Flexible Porous Coordination Polymer Nanocrystals with Accelerated Guest Adsorption Kinetics," *Nat. Chem.*, **2** (2010) 410–416.
- Tang, H.S. Zhu, N.Y. and Yam, V.W.W. "Tetranuclear Macrocyclic Gold(I) Alkynyl Phosphine Complex Containing Azobenzene Functionalities: A Dual-Input Molecular Logic with Photoswitching Behavior Controllable via Silver(I) Coordination/Decoordination," *Organometallics*, **26** (2007) 22–25.
- Taylor, K.M.L. Jin, A. and Lin, W. "Surfactant-Assisted Synthesis of Nanoscale Gadolinium Metal–Organic Frameworks for Potential Multimodal Imaging," *Angew. Chem. Int. Ed.*, **47** (2008) 7722–7725.
- Taylor, K.M.L. Rieter, W.J. and Lin, W. "Manganese-based Nanoscale Metal–Organic Frameworks for Magnetic Resonance Imaging," *J. Am. Chem. Soc.*, **130** (2008) 14358–14359.
- Taylor–Pashow, K.M.L. Della–Rocca, J. Huxford, R.C. and Lin, W. "Hybrid Nanomaterials for Biomedical Applications," *Chem. Commun.*, **46** (2010) 5832–5849.
- Taylor–Pashow, K.M.L. Rocca, J.D. Xie, Z. Tran, S. and Lin, W. "Postsynthetic Modifications of Iron–Carboxylate Nanoscale Metal–Organic Frameworks for Imaging and Drug Delivery," *J. Am. Chem. Soc.*, **131** (2009) 14261–14263.
- Tella, A.C. Olabemiwo, O.M. Salawu, M.O. and Obiyenwa, G.K. "Developing a Spectrophotometric Method for the Estimation of Albendazole in Solid and Suspension Forms," *Int. J. Phy. Sci.*, **5** (2010) 379–382.
- Theurillat, R. Zimmerli, S. and Thormann, W. "Determination of Voriconazole in Human Serum and Plasma by Micellar Electrokinetic Chromatography," *J. Pharm. Biomed. Anal.*, **53** (2010) 1313–1318.
-

- Thosar, S.S. Forbess, R.A. Ebube, N.K. Chen, Y. Robinovitz, R.L. Kemper, M.S. Reier, G.E. Wheatley, T.A. and Shukla, A.J. "A Comparison of Reflectance and Transmittance Near-Infrared Spectroscopic Techniques in Determining Drug Content in Intact Tablets," *Pharm. Dev. Technol.*, **6** (2001) 19–29.
- Timerbaev, A.R. Pawlak, K. Aleksenko, S.S. Foteeva, L.S. Matczuk, M. and Jarosz, M. "Advances of CE-ICP-MS in Speciation Analysis Related to Metalloproteomics of Anticancer Drugs," *Talanta*, **102** (2012) 164–170.
- Tiwari, M. Gupta, S. and Prakash, R. "One Pot Synthesis of Coordination Polymer 2,5-Dimercapto-1,3,4-thiadiazole-Gold and its Application in Voltammetric Sensing of Resorcinol," *RSC Adv.*, **4** (2014) 25675–25682.
- Tong, M.L. Chen, X.M. Ye, B.H. and Ji, L.N. "Self-Assembled Three-Dimensional Coordination Polymers with Unusual Ligand-Unsupported Ag-Ag Bonds: Syntheses, Structures and Luminescent Properties," *Angew. Chem. Ed. Engl.*, **38** (1999) 2237–2240.
- Traford, A.D. Jee, R.D. Moffat, A.C. and Graham, P. "A Rapid Quantitative Assay of Intact Paracetamol Tablets by Reflectance Near-Infrared Spectroscopy," *Analyst*, **124** (1999) 163–167.
- Uslu, B. and Ozkan, S.A. "Electroanalytical Methods for the Determination of Pharmaceuticals: A Review of Recent Trends and Developments," *Analy. Letters*, **44** (2011) 2644–2702.
- Valcarcel, M. and Luque-de-Castro, M.D., *Flow-Injection Analysis: Principles and Applications*, Ellis Horwood, Chichester, 1987.
- Vasimalai, N. and John, S.A. "Mercaptothiadiazole Capped Gold Nanoparticles as Fluorophore for the Determination of Nanomolar Mercury(II) in Aqueous Solution in the Presence of 50 000-Fold Major Interferents," *Analyst*, **137** (2012) 3349–3354.
- Venugopal, K. and Sahi, R.N. "New, Simple and Validated UV-Spectrophotometric Methods for the Estimation of Gatifloxacin in Bulk and Formulations," *IlFarmaco*, **60** (2005) 906–912.
- Walker, S.D. Barder, T.E. Martinelli, J.R. and Buchwald, S.L. "A Rationally Designed Universal Catalyst for Suzuki-Miyaura Coupling Processes," *Angew. Chem. Int. Ed.*, **43** (2004) 1871–1876.
- Wang, J. Zhou, Y. Liang, J. He, P.G. and Fang, Y.Z. "Determination of Levodopa and Benserazide Hydrochloride in Pharmaceutical Formulations by CZE with Amperometric Detection," *Chromatographia*, **61** (2005) 265–270.
- Wang, J., *Analytical Electrochemistry*, Wiley-VCH Publishers, 2000.
-

- Wang, X.M. Zhang, Q.Z. Yang, J. Zhu, R.H. Zhang, J. Cai, L.J. and Peng, W.X. "Validated HPLC–MS/MS Method for Simultaneous Determination of Curcumin and Piperine in Human Plasma," *Trop. J. Pharm. Res.*, **11** (2012) 621–629.
- Wang, Z.H. Zhang, H.Z. Zhou, S.P. and Dong, W.J. "Determination of Trace Metoclopramide by Anodic Stripping Voltammetry with Nafion Modified Glassy Carbon Electrode," *Talanta*, **53** (2001) 1133–1138.
- Wells, A.F. Further Studies of Three–dimensional Nets, ACA Monograph No. 8, American Crystallographic Association, Knoxville, TN, 1979.
- Wells, A.F. Structural Inorganic Chemistry, 15th edn, Oxford University Press, Oxford, 1984.
- Wells, A.F. Three–dimensional Nets and Polyhedra, Wiley–Interscience, New York, 1977.
- Wen, H.R. Zuo, J.L. Liu, W. Song, Y. and You, X.Z. "Syntheses, Structure and Properties of Chiral Copper(II) Complexes with end–on Azide Bridge and Chiral–Bipyridine Ligand," *Inorg. Chim. Acta*, **358** (2005) 2565–2570.
- White, D. Varlashkin, P. and Rusch, D.N. "A Thin–Layer Chromatographic Method to Determine Process Impurities in Leucovorin Calcium," *J. Pharm. Sci.*, **81** (1992) 1204–1209.
- Xiao, H. Cheung, K.K. and Che, C.M. "Photophysical Properties and Crystal Structures of Luminescent Phenylethynylgold(I) Complexes of Alkyl and Aryl Isocyanides," *J. Chem. Soc., Dalton Trans.*, (1996) 3699–3703.
- Xin, Z. Bai, J. Pan, Y. and Zaworotko, M.J. "Synthesis and Enhanced H₂ Adsorption Properties of a Mesoporous Nanocrystal of MOF–5: Controlling Nano–/Mesostructures of MOFs to Improve their H₂ Heat of Adsorption," *Chem. Eur. J.*, **16** (2010) 13049–13052.
- Xin, Z. Bai, J. Shen, Y. and Pan, Y. "Hierarchically Micro– and Mesoporous Coordination Polymer Nanostructures with High Adsorption Performance," *Cryst. Growth Des.*, **10** (2010) 2451–2454.
- Yaghi, O.M. and Li, H. "T–Shaped Molecular Building Units in the Porous Structure of Ag(4,4'–bpy)·NO₃" *J. Am. Chem. Soc.*, **118** (1996) 295–296.
- Yaghi, O.M. O'Keeffe, M. Ockwig, N.W. Chae, H.K. Eddaoudi, M. and Kim, J. "Reticular Synthesis and the Design of New Materials," *Nature*, **423** (2003) 705–714.
- Yang, W. Feng, J. and Zhang, H. "Facile and Rapid Fabrication of Nanostructured Lanthanide Coordination Polymers as Selective Luminescent Probes in Aqueous Solution," *J. Mater. Chem.*, **22** (2012) 6819–6823.
-

- Yeh, T.T. Wu, J.Y. Wen, Y.S. Liu, Y.H. Twu, J. Tao, Y.T. and Lu, K.L. "Luminescent Silver Metal Chains with Unusual M₄-Bonded 2,2'-Bipyrazine," *Dalton Trans.*, **4** (2005) 656–658.
- Yuen, T. Lin, C.L. Mihalisin, T.W. Lawandy, M.A. and Li, J. "Magnetic Ordering in M(ox)(bpy) System (M=Fe, Co, Ni; ox=C₂O₄²⁻; bpy=4,4'-bipyridine)," *J. App. Phys.*, **87** (2000) 6001–6003.
- Zaworotko, M.J. "Superstructural Diversity in two Dimensions: Crystal Engineering of Laminated Solids," *Chem. Commun.*, (2001) 1–9.
- Zhang, C. Che, Y. Zhang, Z. Yang, X. and Zang, L. "Fluorescent Nanoscale Zinc(II) – Carboxylate Coordination Polymers for Explosive Sensing," *Chem. Commun.*, **47** (2011) 2336–2338.
- Zhang, J. Sun, L. Xu, F. Li, F. Zhou, H.Y. Liu, Y.L. Gabelica, Z. and Schick, C. "H₂ Storage and CO₂ Capture on a Nanoscale Metal Organic Framework with High Thermal Stability," *Chem. Commun.*, **48** (2012) 759–761.
- Zhang, X. Chen, Z.K. and Loh, K.P. "Coordination-Assisted Assembly of 1-D Nanostructured Light-Harvesting Antenna," *J. Am. Chem. Soc.*, **131** (2009) 7210–7211.
- Zhang, Z. Zhang, X. and Zhang, S. "Heart-Cut Capillary Electrophoresis for Drug Analysis in Mouse Blood with Electrochemical Detection," *Anal. Biochem.*, **387** (2009) 171–177.
- Zhao, Y. Hong, M. Liang, Y. Cao, R. Weng, J. Lu, S. and Li, W. "A Paramagnetic Lamellar Polymer with a High Semiconductivity," *Chem. Comm.*, **11** (2001) 1020–1021.
- Zhong, S.L. Xu, R. Zhang, L.F. Qu, W.G. Gao, G.Q. Wu, X.L. and Xu, A.W. "Terbium-Based Infinite Coordination Polymer Hollow Microspheres: Preparation and White-Light Emission," *J. Mater. Chem.*, **21** (2011) 16574–16580.
- Zunino, M.D. Mena, V.H.J. and Burgos, T.A. *Farmaco*. Ed. Part. 42 (1987) 209.
- Zuo, Y. Zhang, L. Wu, J. Fritz, J.W. Medeiros, S. and Rego, C. "Ultrasonic Extraction and Capillary Gas Chromatography Determination of Nicotine in Pharmaceutical Formulations," *Anal. Chim. Acta*, **526** (2004) 35–39.
-