REFERENCES

[Affymetrix eBioscience, 2016] Affymetrix eBioscience, “Immunoglobulin G,” http://www.ebioscience.com/knowledge-center/antigen/immunoglobulin/igg.htm, August 2016.

[Ahour, 2016] F. Ahour, M.K. Ahsani, "An electrochemical label-free and sensitive thrombin aptasensor based on graphene oxide modified pencil graphite electrode," Biosensors and Bioelectronics, 86, 2016, 764-769.

[Amouzadeh Tabrizi, 2016] M. Amouzadeh Tabrizi, M. Shamsipur, A. Mostafaie, "A high sensitive label-free immunosensor for the determination of human serum IgG using overoxidized polypyrrole decorated with gold nanoparticle modified electrode," Materials Science and Engineering: C, 59, 2016, 965-969.

[Burguera, 2005] J.L. Burguera, M. Burguera, R.E. Antón, J.-L. Salager, M.A. Arandia, C. Rondón, P. Carrero, Y.P. de Peña, R. Brunetto, M. Gallignani, “Determination of aluminum by electrothermal atomic absorption spectroscopy in lubricating oils emulsified in a sequential injection analysis system,” Talanta, 68, 2005, 179-186.

[Chan-Eam, 2011] S. Chan-Eam, S. Teerasong, K. Damwan, D. Nacapricha, R. Chaisuksant, “Sequential injection analysis with electrochemical detection as a tool for economic and rapid evaluation of total antioxidant capacity,” Talanta, 84, 2011, 1350-1354.

[Chen , 2016] Y.-H. Chen, R. Kirankumar, C.-L. Kao, P.-Y. Chen, "Electrodeposited Ag, Au, and AuAg nanoparticles on graphene oxide-modified screen-printed carbon electrodes for the voltammetric determination of free sulfide in alkaline solutions," Electrochimica Acta, 205, 2016, 124-131.

[Chocholouš, 2017] P. Chocholouš, L. Dědková, T. Boháčová, D. Šatínský, P. Solich, "Fast separation of red colorants in beverages using cyano monolithic column in sequential injection chromatography," Microchemical Journal, 130, 2017, 384-389.

[Díaz-González, 2005] M. Díaz-González, D. Hernández-Santos, M.B. González-García, A. Costa-García, "Development of an immunosensor for the determination of rabbit IgG using streptavidin modified screen-printed carbon electrodes," Talanta, 65, 2005, 565-573.

[Eguílaz, 2016] M. Eguílaz, F. Gutierrez, J.M. González-Domínguez, M.T. Martínez, G. Rivas, "Single-walled carbon nanotubes covalently functionalized with polytyrosine: A new material for the development of NADH-based biosensors," Biosensors and Bioelectronics, 86, 2016, 308-314.

[Espada-Bellido , 2013] E. Espada-Bellido, Z. Bi, C.M.G. van den Berg, "Determination of chromium in estuarine waters by catalytic cathodic stripping voltammetry using a vibrating silver amalgam microwire electrode," Talanta, 105, 2013, 287-291.

[Galán-Malo, 2014] P. Galán-Malo, J.-A. Valares, V. Langa, P. Razquin, L. Mata, "Determination of IgG levels in bulk ewe's milk," Small Ruminant Research, 119, 2014, 156-160.

[Immune Deficiency Foundation, 2013] Immune Deficiency Foundation, "IgG Subclass Deficiency," http://primaryimmune.org/about-primary-immunodeficiencies/specific-disease-types/igg-subclass-deficiency/, August 2016.

[Jia-Ming, 2005] L. Jia-Ming, Z.G. hui, W. Aihong, L. Pingping, X. Huanhuan, L.-D. Li, Z.-b. Liu, "Determination of human IgG by solid substrate room temperature phosphorescence immunoassay based on an antibody labeled with nanoparticles containing Rhodamine 6G luminescent molecules,"Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 61, 2005, 923-927.

[Jie, 2008] G. Jie, J. Zhang, D. Wang, C. Cheng, H.-Y. Chen, J.-J. Zhu, "Electrochemiluminescence immunosensor based on CdSe nanocomposites," Analytical Chemistry, 80, 2008, 4033-4039.

[Jumpathong, 2016] W. Jumpathong, J. Jakmunee, K. Ounnunkad, "A Sensitive and Disposable Graphene Oxide Electrochemical Immunosensor for Label-free Detection of Human Immunoglobulin G," Analytical Sciences, 32, 2016, 323-328.

[LeThanh, 2000] H. LeThanh, B. Lendl, "Sequential injection Fourier transform infrared spectroscopy for the simultaneous determination of organic acids and sugars in soft drinks employing automated solid phase extraction," Analytica Chimica Acta, 422, 2000, 63-69.

[Li, 2017] M. Li, P. Wang, F. Li, Q. Chu, Y. Li, Y. Dong, "An ultrasensitive sandwich-type electrochemical immunosensor based on the signal amplification strategy of mesoporous core-shell Pd@Pt nanoparticles/ amino group functionalized graphene nanocomposite," Biosensors and Bioelectronics, 87, 2017, 752-759.

[Liang, 2016] J. Liang, M. Guan, G. Huang, H. Qiu, Z. Chen, G. Li, Y. Huang, "Highly sensitive covalently functionalized light-addressable potentiometric sensor for determination of biomarker," Materials Science and Engineering: C, 63, 2016, 185-191.

[Liu, 2015] B. Liu, B. Xiao, L. Cui, "Electrochemical analysis of carbaryl in fruit samples on graphene oxide-ionic liquid composite modified electrode," Journal of Food Composition and Analysis, 40, 2015, 14-18.

[Liu, 2015] J. Liu, G. Lin, C. Xiao, Y. Xue, A. Yang, H. Ren, W. Lu, H. Zhao, X. Li, Z. Yuan, "Sensitive electrochemical immunosensor for α-fetoprotein based on graphene/SnO_2/Au nanocomposite," Biosensors and Bioelectronics, 71, 2015, 82-87.

[Liu, 2015] L. Liu, Y. Li, L. Tian, T. Guo, W. Cao, Q. Wei, "A label-free voltammetric immunoassay based on 3D-structured rGO-MWCNT-Pd for detection of human immunoglobulin G," Sensors and Actuators B: Chemical, 211, 2015, 170-176.

[Ogi, 2007] H. Ogi, K. Motohisa, K. Hatanaka, T. Ohmori, M. Hirao, M. Nishiyama, "Concentration dependence of IgG-protein A affinity studied by wireless-electrodeless QCM," Biosensors and Bioelectronics, 22, 2007, 3238-3242.

[Intechopen, 2015] Intechopen, "Outline of Biosensor and its application," http://www.intechopen.com/source/html/37959/media/image9.png, August 2016.

[Qiu, 2010] L.-P. Qiu, C.-C. Wang, P. Hu, Z.-S. Wu, G.-L. Shen, R.-Q. Yu, "A label-free electrochemical immunoassay for IgG detection based on the electron transfer," Talanta, 83, 2010, 42-47.

[Reanpang, 2015] P. Reanpang, S. Themsirimongkon, S. Saipanya, O. Chailapakul, J. Jakmunee, "Cost-effective flow injection amperometric system with metal nanoparticle loaded carbon nanotube modified screen printed carbon electrode for sensitive determination of hydrogen peroxide," Talanta, 144, 2015, 868-874.

[Roerdink, 2005] A.R. Roerdink, J.H. Aldstadt Iii, "Sequential injection absorption spectrophotometry using a liquid-core waveguide: Determination of *p*-arsanilic acid in natural waters,"Analytica Chimica Acta, 539, 2005, 181-187.

[Ruzicka, 1990] J. Ruzicka, G.D. Marshall, "Sequential injection: a new concept for chemical sensors, process analysis and laboratory assays," Analytica Chimica Acta, 237, 1990, 329-343.

[Samphao, 2015] A. Samphao, P. Butmee, J. Jitcharoen, Ľ Švorc, G. Raber, K. Kalcher, "Flow-injection amperometric determination of glucose using a biosensor based on immobilization of glucose oxidase onto Au seeds decorated on core Fe_3O_4 nanoparticles," Talanta, 142, 35-42.

[Sanaeifar, 2017] N. Sanaeifar, M. Rabiee, M. Abdolrahim, M. Tahriri, D. Vashaee, L. Tayebi, "A novel electrochemical biosensor based on Fe_3O_4 nanoparticles polyvinyl alcohol composite for sensitive detection of glucose," Analytical Biochemistry, 519, 2017, 19-26.

[FIAlab, 2009] FIAlab, "Sequential injection analysis," http://www.flowinjection.com/images/Sequential_Injection.pdf, August 2016.

[Shu, 2015] J. Shu, W. Shen, H. Cui, "Ultrasensitive label-free electrochemiluminescence immunosensor based on N-(4-aminobutyl)-N-ethyl-isoluminol-functionalized graphene composite," Science China Chemistry, 58, 2015, 425-432.

[Tian, 2010] D. Tian, C. Duan, W. Wang, H. Cui, "Ultrasensitive electrochemiluminescence immunosensor based on luminol functionalized gold nanoparticle labeling," Biosensors and Bioelectronics, 25, 2010, 2290-2295.

[Tyszczuk-Rotko, 2013] K. Tyszczuk-Rotko, R. Metelka, K. Vytřas, "Screen-printed carbon electrodes modified with lead film deposited using different plating methods as sensors in anodic stripping voltammetry," Electrochimica Acta, 92, 2013, 335-340.

[Upan, 2016] J. Upan, P. Reanpang, O. Chailapakul, J. Jakmunee, "Flow injection amperometric sensor with a carbon nanotube modified screen printed electrode for determination of hydroquinone," Talanta, 146, 2016, 766-771.

[Wang, 2017] H. Wang, Y. Zhang, Y. Wang, H. Ma, B. Du, Q. Wei, "Facile synthesis of cuprous oxide nanowires decorated graphene oxide nanosheets nanocomposites and its application in label-free electrochemical immunosensor," Biosensors and Bioelectronics, 87, 2017, 745-751.

[WebMD, 2015] WebMd, "Immunoglobulin," http://www.webmd.com/a-to-z-guides/immunoglobulins#1, August 2016.

[Zarei, 2012] H. Zarei, H. Ghourchian, K. Eskandari, M. Zeinali, "Magnetic nanocomposite of anti-human IgG/COOH-multiwalled carbon nanotubes/Fe_3O_4 as a platform for electrochemical immunoassay," Analytical Biochemistry, 421, 2012, 446-453.

[Zhang, 2016] H. Zhang, L. Ma, P. Li, J. Zheng, "A novel electrochemical immunosensor based on nonenzymatic Ag@Au-Fe_3O_4 nanoelectro-catalyst for protein biomarker detection," Biosensors and Bioelectronics, 85, 2016, 343-350.

[Zhang, 2013] H. Zhang, D. Song, S. Gao, J. Zhang, H. Zhang, Y. Sun, "Novel SPR biosensors based on metal nanoparticles decorated with graphene for immunoassay," Sensors and Actuators B: Chemical, 188, 2013, 548-554.

[Zhang, 2016] S. Zhang, N. Huang, Q. Lu, M. Liu, H. Li, Y. Zhang, S. Yao, "A double signal electrochemical human immunoglobulin G immunosensor based on gold nanoparticles-polydopamine functionalized reduced graphene oxide as a sensor platform and AgNPs/carbon nanocomposite as signal probe and catalytic substrate," Biosensors and Bioelectronics, 77, 2016, 1078-1085.

[Zhao, 2007] C. Zhao, W. Liu, H. Ling, S. Lu, Y. Zhang, J. Liu, R. Xi, "Preparation of anti-gatifloxacin antibody and development of an indirect competitive enzyme-linked immunosorbent assay for the detection of gatifloxacin residue in milk," Journal of Agricultural and Food Chemistry, 55, 2007, 6879-6884.

[Zhao, 2006] H.W. Zhao, C.Z. Huang, Y.F. Li, "Immunoassay by detecting enhanced resonance light scattering signals of immunocomplex using a common spectrofluorometer," Talanta, 70, 2006, 609-614.

LIST OF PUBLICATION

1) C. Thunkhamrak, P. Reanpang, K. Ounnunkad, J. Jakmunee, “Sequential injection system with amperometric immunosensor for sensitive determination of human immunoglobulin G,” Talanta, 171, 2017, 53-60.