

Zoznam citácií
Ing. Veronika Svitková, PhD.
ORCID: 0000-0003-1888-5399
SCOPUS ID: 57192660481

HROBOŇOVÁ, Katarína - VÝBOHOVÁ, Veronika - LOMENOVA, Anna - ŠPAČKOVÁ, Andrea - SVITKOVÁ, Veronika. Characterization of kinetic, thermodynamic, and binding properties of L-phenylalanine molecularly imprinted polymer. In *Monatshefte für Chemie - Chemical Monthly*. Vol. 153, iss. 11 (2022), s. 1037-1047.

Ohlasy:

1. BALCER, Emilia – SOBIECH, Monika – GIEBULTOWITZ, Joanna – SOCHACKA, Malgorzata – LULIŃSKI, Piotr. Molecularly Imprinted Polymers Specific towards 4-Borono-L-phenylalanine—Synthesis Optimization, Theoretical Analysis, Morphology Investigation, Cytotoxicity, and Release Studies. In: *Polymers*, 2023, vol. 15, iss. 14, no. 3149, ISSN 20734360.
2. YU, Miaomiao – WANG, Sai – WANG, Naili – WU, Yufeng – LI, Lirong – LU, Xueqiang. Magnetic dummy-template molecularly imprinted polymer with an ultrathin shell for selective enrichment of geosmin in water sample. In: *Journal of Industrial and Engineering Chemistry*, 2024, vol. 136, pp. 349-358, ISSN 1226086X.

KRAJČOVIČOVÁ, Tímea Ema - HATALA, Michal - GEMEINER, Pavol - HÍVEŠ, Ján - MACKULÁK, Tomáš - NEMČEKOVÁ, Katarína - SVITKOVÁ, Veronika. Biochar for Water Pollution Control: From Sensing to Decontamination. In *Chemosensors*. Vol. 11, iss. 7 (2023), s. [1-17], art. no. 394.

Ohlasy:

1. LODHI, Nandkishor – CHADAR, Santosh Narayan – SINGH THAKUR. Deshraj – RAIKWAR, Ashish. A Comprehensive Study on Biochar-Based Nanocomposites in Removal of Organic Pollutants from Wastewater. In: *Journal of Water and Environmental Nanotechnology* 2024, vol. 9, iss. 3, pp. 302-317, ISSN 24767204.

LABUDA, Ján - BAREK, Jiří - GAJDOSECHOVA, Zuzana - JACOB, Silvana - JOHNSTON, Linda - KRYSTEK, Petra - MESTER, Zoltan - MOREIRA, Josino - SVITKOVÁ, Veronika - WILKINSON, Kevin J. Analytical chemistry of engineered nanomaterials: Part 2. analysis in complex samples (IUPAC Technical Report). In *Pure and Applied Chemistry*. Vol. 95, iss. 11 (2023), s. 1159-1196.

Ohlasy:

1. CLOUGH, Robert – HARRINGTON, Chris F. – HILL, Steve J. – MADRID, Yolanda – TYSON, Julian F. Atomic spectrometry update: review of advances in elemental speciation. In: *Journal of Analytical Atomic Spectrometry*, 2024, vol. 39, iss. 7, pp. 1629-1664, ISSN 02679477.
2. ÇIÇEK, Semra - YILMAZ, Mustafa Tahsin - HADNAĐEV, Tamara Dapčević - TADESSE, Eskindir Endalew - KULAWIK, Piotr - OZOGUL, Fatih. Definition, detection, and tracking of nanowaste in foods: Challenges and perspectives. In: *Comprehensive Reviews in Food Science and Food Safety*, 2024, vol. 23, iss. 4, no. e13393, ISSN 15414337.

NEMČEKOVÁ, Katarína - SVITKOVÁ, Veronika - GOKCE, Gultekin. Electrochemical aptasensing for the detection of mycotoxins in food commodities. In *Monatshefte für Chemie - Chemical Monthly*. Vol. 153, iss. 11 (2022), s. 971-983.

Ohlasy:

1. HEJJI, Lamia – AZZOUZ, Abdelmonaim – KUKKAR, Deepak – KIM, Ki-Hyun. Recent advancements in nanomaterials-based aptasensors for the detection of emerging contaminants in foodstuffs. *TrAC - Trends in Analytical Chemistry*, 2023, vol. 166, no. 117194, ISSN 01659936.
2. VAID, Kalyan – ALISHA – KUMAR, Vanish. Glutathione engineered gold nanoparticles-based electrochemical aptasensor for determination of arsenic ions in water, food, and soil samples. In: *Journal of Food Composition and Analysis*, 2024, vol. 136, no.106728, ISSN 08891575.

NEMČEKOVÁ, Katarína - SVITKOVÁ, Veronika - SOCHR, Jozef - GEMEINER, Pavol - LABUDA, Ján. Gallic acid-coated silver nanoparticles as perspective drug nanocarriers: bioanalytical study. In *Analytical and Bioanalytical Chemistry*. Vol. 414, iss. 18 (2022), s. 5493-5505.

Ohlasy:

1. THOBAKGALE, Lebogang - OMBINDA-LEMBOUMBA, Saturnin - MTHUNZI-KUFA, Patience. Chemical Sensor Nanotechnology in Pharmaceutical Drug Research. In *Nanomaterials*, 2022, vol. 12, iss. 15, no. 2688, ISSN 20794991.
2. KHODEER, Dina M. - NASR, Ali M. - SWIDAN, Shady A. - SHABAYEK, Sarah - KHINKAR, Roaa M. - ALDURDUNJI, Mohammed M. - RAMADAN, Maryam A. - BADR, Jihan M. Characterization, antibacterial, antioxidant, antidiabetic, and anti-inflammatory activities of green synthesized silver nanoparticles using *Phragmanthera austroarabica* A. G. Mill and J. A. Nyberg extract. In *Frontiers in Microbiology*, 2023, vol. 13, no. 1078061, ISSN 1664302X.
3. KLEBOWSKI, Bartosz – STEC, Malgorzata, DEPCIUCH, Joanna – PANEK, Agnieszka – KRZEMPEK, Dawid – KOMENDA, Wiktor – GALUSZKA-BULAGA, Adrianna, PAJOR-SWIERZY, Anna – BARAN, Jarek – PARLINSKA-WOJTAN, Magdalena. Improving the Effect of Cancer Cells Irradiation with X-rays and High-Energy Protons Using Bimetallic Palladium-Platinum Nanoparticles with Various Nanostructures. In *Cancers*, 2022, vol. 14, iss. 23, no. 5899, ISSN 20726694.
4. RABAAN, Ali A. – BUKHAMSIN, Rehab – AISAIHATI, Hajir – ALSHAMRANI, Sleh A. – AISIHATI, Jehad – AL-AFGHANI, Hani M. – ALSUBKI, Roua A. – ABUZOID, Abdulmonem A. – AL-ABDULHADI, Saleh – ALDAWOOD, Yahya – ALSALEH, Abdulmonem A. – ALHASHEM, Yousef N. Recent Trends and Developments in Multifunctional Nanoparticles for Cancer Theranostics. In *Molecules*, 2022, vol. 27, iss. 24, no. 8659, ISSN 14203049.
5. MOHAMADY HUSSEIN, Mohamed A. – OLMOS, José Manuel – PIERAŃSKI, Michal K. – GRINHOLC, Mariusz – BUHL, Eva Miriam – GUNDUZ, Oguzhan – YOUSSEF, Ahmed M. – PEREIRA, Carlos M. – EL-SHERBINY, Ibrahim M. – MEGAHEM, Mosaad. Post grafted gallic acid to chitosan-Ag hybrid nanoparticles via free radical-induced grafting reactions. In *International Journal of Biological Macromolecules*, 2023, vol. 233, no. 123395, ISSN 01418130.
6. MADURAIMUTH, Vijayakumar – RANISHREE, Jayappriyan Kothilmozhian – GOPALAKRISHNAN, Raja Mohan - AYYADURAI, Brabakaran – RAJA, Rathinam –

- HEESE, Klaus. Antioxidant Activities of Photoinduced Phycogenic Silver Nanoparticles and Their Potential Applications. In: *Antioxidants*, 2023, vol. 12, iss. 6, no. 1298, ISSN 20763921.
7. WANAG, Wei-Wei – CHIU, Ching-Lin – HU, Cho-Chun – CHIU, Tai-Chia. Ag Nanoparticles Decorated by Gallic Acid as a Colorimetric Sensor for the Detection of Cartap Pesticide. In: *ACS Applied Nano Materials*, 2023, vol. 6, iss. 16, pp. 15324-15329, ISSN 25740970.
8. IVANOVA, Nadezhda – ERMENLIEVA, Neli – SIMEONOVA, Lora – KOLEV, Iliyan – SLAVOV, Iliya – KARASHANOVA, Daniela – ANDONOVA, Velichka. Chlorhexidine–Silver Nanoparticle Conjugation Leading to Antimicrobial Synergism but Enhanced Cytotoxicity. In: *Pharmaceutics*, 2023, vol. 15, iss. 9, no. 2298, ISSN 19994923.
9. LEE, Jaewook – LEE, Ji-Heon – LEE, Seunng-Yeul – PARK, Sin A. – KIM, Jae Hoon – HWANG, Dajeong – KIM, Kyung A. – KIM, Han Sang. Antioxidant Iron Oxide Nanoparticles: Their Biocompatibility and Bioactive Properties. In: *International Journal of Molecular Sciences*, 2023, vol. 24, iss. 21, no. 15901, ISSN 16616596.
10. ZHANG, Yi – TIAN, Ge – LUO, Guosheng – DONG, Ping – HUA, Ruifang – WANG, Fanping – ZHANG, Yun. Studies on the Biocompatibility of Carbon Dots Prepared by Utilizing Aquatic Waste. In: *Nano*, 2023, vol. 18, iss. 14, no. 2350112, ISSN 17932920.
11. SATHIYASEELAN, Anbazhagan – ZHANG, Xin – WANG, Myeong-Hyeon. Biosynthesis of gallic acid fabricated tellurium nanoparticles (GA-Te NPs) for enhanced antibacterial, antioxidant, and cytotoxicity applications. In: *Environmental Research*, 2024, vol. 240, no. 117461, ISSN 00139351.
12. WAHAB, Shahid – MUHAMMAD ALI, Haroon – KHAN, Maham – KRISHNARAJ, Chandran – YUN, Soon-Il. Green synthesis and antibacterial assessment of chitosan/silver nanocomposite conjugated with tobramycin against antibiotic resistant *Pseudomonas aeruginosa*. In: *Arabian Journal of Chemistry*, 2024, vol. 17, iss. 1, no. 105458, ISSN 18785352.
13. KHAN, Naveed Ahmed – ALVI, Adeelah – ALQASSIM, Saif – AKBAR, Noor – KHATOON, Bushra – KAWISH, Muhammad – FAIZI, Shaheen – SHAH, Muhammad Raza – ALAWFI, Bader S. – SIDDIQUI, Ruqaiyyah. Nanomedicine: Patuletin-conjugated with zinc oxide exhibit potent effects against Gram-negative and Gram-positive bacterial pathogens. In: *BioMetals*, 2024, ISSN 09660844.
14. KIM, Dae-Young – YANG, Tianxi – SRIVASTAVA, Priyanka – NILE, Shivraj Hariram – SETH, Chandra Shekhar – JADHAV, Umesh – SYED, Asad – BAHKALI, Ali H. – GHODAKE, Gajanan Sampatrao. Alginate acid-functionalized silver nanoparticles: A rapid monitoring tool for detecting the technology-critical element tellurium. In: *Journal of Hazardous Materials*, 2024, vol. 465, no. 133161, ISSN 03043894.
15. XIE, Zunxuan – GAO, Boyang – LIU, Jinyao – HE, Jiaming – LIU, Yuyan – GAO, Fengxiang. Gallic Acid-Modified Polyethylenimine-Polypropylene Carbonate-Polyethylenimine Nanoparticles: Synthesis, Characterization, and Anti-Periodontitis Evaluation. In: *ACS Omega*, 2024, vol. 9, iss. 12, pp. 14475-14488, ISSN 24701343.

16. POTA, Giulio – ARMANETTI, Paolo – SILVESTRI, Brigida – DE GENNARO, Bruno – ZANFARDINO, Anna – NAPOLI, Michaela Di – VARCAMONTI, Mario – LANDI, Gianluca – PEZZELLA, Alessandro – COSTANTINI, Aniello – LUCIANI, Giuseppina – MENICHETTI, Luca. Biosustainable Hybrid Nanoplatfoms as Photoacoustic Agents. In: *Macromolecular Bioscience*, 2024, vol. 24, iss. 7, no. 2400013, ISSN 16165187.

SVITKOVÁ, Veronika - BLAŠKOVIČOVÁ, Jana - TEKELOVÁ, Monika - KALLAI, Brigitta Margit - IGNAT, Teodora - HORÁČKOVÁ, Veronika - SKLÁDAL, Petr - KOPEL, Pavel - ADAM, Vojtech - FARKAŠOVÁ, Dana - LABUDA, Ján. Assessment of CdS quantum dots effect on UV damage to DNA using a DNA/quantum dots structured electrochemical biosensor and DNA biosensing in solution. In *Sensors and Actuators B: Chemical*. Vol. 243, (2017), s. 435-444.

Ohlasy:

1. ARVAND, Majid - KHOSHKHOLGH, Zahra - HEMMATI, Shiva. Trace level detection of guanine and adenine and evaluation of damage to DNA using electro-synthesised ZnS@CdS core-shell quantum dots decorated graphene oxide nanocomposite. In *Journal of Electroanalytical Chemistry*, 2018, vol. 817, pp. 149-159, ISSN 15726657.
2. MENDES, Maria - SOUSA, Joao Jose - PAIS, Alberto - VITORINO, Carla. Targeted Theranostic Nanoparticles for Brain Tumor Treatment. In *Pharmaceutics*, 2018, vol. 10, iss. 4, no. 181, ISSN 19994923.
3. MENDES, Maria - SOUSA, Joao - PAIS, Alberto - VITORINO, Carla. Clinical applications of nanostructured drug delivery systems: from basic research to translational medicine. In *Core-Shell Nanostructures for Drug Delivery and Theranostics: Challenges, Strategies, and Prospects for Novel Carrier Systems*, 2018, pp. 43-116, ISSN 20499485.
4. LONG, Xinxin - CHEN, Rongzhi - YANG, Shengjiong - WANG, Jixiang - HUANG, Tijun - LEI, Qin - TAN, Jihua. Preparation, characterization and application in cobalt ion adsorption using nanoparticle films of hybrid copper-nickel hexacyanoferrate. In *RSC Advances*, 2019, vol. 9, iss. 13, pp. 7485-7494, ISSN 20462069.
5. MOUSAVISANI, Seyedeh Zeinab - RAOOF, Jahan-Bakhsh - CHEUNG, Kwan Yee - HERNANDEZ CAMARGO, Aura Rocio - RUZGAS, Tautgirdas - TURNER, Anthony P. F. - MAK, Wing Cheung. Integrating an ex-vivo skin biointerface with electrochemical DNA biosensor for direct measurement of the protective effect of UV blocking agents. In *Biosensors & Bioelectronics*, 2019, vol. 128, pp. 159-165, ISSN 09565663.
6. HAYAT, Moh - SAEPUDIN, Endang - EINAGA, Yasuaki - IVANDINI, Tribidasari A. Cds nanoparticle-based biosensor development for aflatoxin determination. In *International Journal of Technology*, 2019, vol. 10, iss. 4, pp. 787-797. ISSN 20869614.
7. BETTAZZI, Francesca - PALCHETTI, Ilaria. Nanotoxicity assessment: A challenging application for cutting edge electroanalytical tools. In *Analytica Chimica Acta*, 2019, vol. 1072, pp. 61-74, ISSN 00032670.
8. OZKAN-ARIKSOYSAL, Dislat. Electrochemical DNA biosensors based on quantum dots. In: *Electroanalytical Applications of Quantum Dot-Based Biosensors*, 2021, pp. 155-184, ISBN 978-012821670-5.

9. ZHANG, Yan - HAN, Yun - ZOU, Xiaoran - XU, Qinfeng - MA, Fei - ZHANG, Chun-yang. Construction of a damage site-specific fluorescent biosensor for single-molecule detection of DNA damage. In *Talanta*, 2021, vol. 235, no. 122809, ISSN 00399140.
10. CHEN, Zheng - ZHANG, Jing - LYU, Qingyang - WANG, Honghui - JI, Xiaoliang - YAN, Zhiying - CHEN, Fang - DAHLGREN, Randy A. - ZHANG, Minghua. Modular configurations of living biomaterials incorporating nano-based artificial mediators and synthetic biology to improve bioelectrocatalytic performance: A review. In *Science of the Total Environment*, 2022, vol. 824, no. 153857, ISSN 00489697.
11. LI, Jian - WANG, Feng - ZHANG, Jing - WANG, Honghui - ZHAO, Chongyuan - SHU, Lielin - HUANG, Peng - XU, Yejing - YAN, Zhiying - DAHLGREN, Randy A. - CHEN, Zheng. Inward-to-outward assembly of amine-functionalized carbon dots and polydopamine to *Shewanella oneidensis* MR-1 for high-efficiency, microbial-photoreduction of Cr(VI). In: *Chemosphere*, 2022, vol. 307, no. 135980, ISSN 00456535.
12. HASHEM, Elhussein M. – HAMZA, Mahmoud A. – El-SHAZLY, Ayat N. – ABD El-RAHMAN, Shaimaa A. – El-TANANY, Esraa M. – MOHAMED, Rahma T. – ALLAM, NAgeh K. Novel Z-Scheme/Type-II CdS@ZnO/g-C₃N₄ ternary nanocomposites for the durable photodegradation of organics: Kinetic and mechanistic insights. In *Chemosphere*, 2021, vol. 277, no. 128730, ISSN 00456535.
13. ZHANG, Yiyun – REN, Guoping – HU, Andong – JIN, Shuguang – YE, Jie – ZHOU, Shungui. Visible light-driven *Methanosarcina barkeri*-natural carbon-based semiconductor for methane production. In *Scientia Sinica Technologica*, 2021, vol. 51, iss. 5, pp. 601-612, ISSN 16747259.
14. GUPTA, Archita – MEHTA, Sanjay Kumar – KUNAL, Kanishka, MUKHOPADHYAY, Kunal – SINGH. Sneha. Quantum dots as promising nanomaterials in agriculture. In *Agricultural Nanobiotechnology: Biogenic Nanoparticles, Nanofertilizers and Nanoscale Biocontrol Agents*, 2022, pp. 243-296, ISBN 978-032391908-1.
15. SHEN, Jiayuan – LIU, Yun, - QIAO, Liang. Photodriven Chemical Synthesis by Whole-Cell-Based Biohybrid Systems: From System Construction to Mechanism Study. In *ACS Applied Materials and Interfaces*, 2023, vol. 15, iss. 5, pp. 6235-6259, ISSN 19448244.
16. CHEN, Zheng – ZENG, Yanqiong – WANG, Feng – HUANG, Peng – LI, Jian – CHEN, Yibin. Feasibility of nanomaterials to support electroactive microbes in nanobiohybrids. In: *Nanobiohybrids for Advanced Wastewater Treatment and Energy Recovery*, 2023, pp. 129-144, ISBN 978-178906359-2.

SVITKOVÁ, Veronika - LABUDA, Ján. Construction of electrochemical DNA biosensors for investigation of potential risk chemical and physical agents. In *Monatshefte für Chemie - Chemical Monthly*. Vol. 148, iss. 9 (2017), s. 1569-1579.

Ohlasy:

1. PORFIREVA, Anna - VOROBEOV, Vyatseslav - BABKINA, Sofya - EVTUGYN, Gennady. Electrochemical Sensor Based on Poly(Azure B)-DNA Composite for Doxorubicin Determination. In *Sensors*, 2019, vol. 19, iss. 9, no. 2085, ISSN

14248220.

2. LINCY, Sebastinbaskar Aniu - DHARUMAN, Venkataraman - KUMAR, Ponnuchamy. Ultrasensitive and direct detection of DNA and whole E. coli cell at cholesterol gold nanoparticle composite film electrode. In *Ionics*, 2022, vol. 28, iss. 4, pp. 1973-1984, ISSN 09477047.
3. BLASKOVICOVA, Jana - PURDESOVA, Andrea. Simultaneous detection of purine metabolites by membrane modified electrochemical sensors. In: *Acta Chimica Slovaca*, 2022, vol. 15, iss. 1, pp. 54-60. ISSN 1337978X.
4. PORFIREVA, Ann – SUBJAKOVA, Veronika – EVTUGYN, Gennady – HIANIK, Tibor. Electrochemical DNA Sensors Based on Nanomaterials for Pharmaceutical Determination. In: *Nanosensors*, 2023, pp. 23-68, ISBN 978-100088708-2.

SVITKOVÁ, Veronika - HANZELYOVÁ, Martina - MACKOVÁ, Hana - BLAŠKOVIČOVÁ, Jana - VYSKOČIL, Vlastimil - FARKAŠOVÁ, Dana - LABUDA, Ján. Behaviour and detection of acridine-type DNA intercalators in urine using an electrochemical DNA-based biosensor with the protective polyvinyl alcohol membrane. In *Journal of Electroanalytical Chemistry*. Vol. 821, (2018), s. 87-91.

Ohlasy:

1. NAWAZ, Mian Hasnain - XU, Jianan - SONG, Zhongqian - RIAZ, Sara - HAN, Dongxue - NIU, Li. N-Doped Graphene Oxide Decorated with PtCo Nanoparticles for Immobilization of Double-Stranded Deoxyribonucleic Acid and Investigation of Clenbuterol-Induced DNA Damage. In *ACS Omega*, 2019, vol. 4, iss. 15, pp. 16524-16530. ISSN 24701343.
2. TADINI-BUONINSEGNI, Francesco - PALCHETTI, Ilaria. Label-Free Bioelectrochemical Methods for Evaluation of Anticancer Drug Effects at a Molecular Level. In *SENSORS*, 2020, vol. 20, iss. 7, no. 1812, ISSN 14248220.
3. RUPAR, Jelena - ALEKSIC, Mara M. - DOBRICIC, Vladimir - BRBORIC, Jasmina - CUDINA, Olivera. An electrochemical study of 9-chloroacridine redox behavior and its interaction with double-stranded DNA. In *Bioelectrochemistry*, 2020, vol. 135, no. 107579. ISSN 15675394.
4. MORAWSKA, Kamila - POPLAWSKI, Tomasz - CIESIELSKI, Witold - SMARZEWSKA, Sylwia. Interactions of lamotrigine with single- and double-stranded DNA under physiological conditions. In *Bioelectrochemistry*, 2020, vol. 136, no. 107630. ISSN 15675394.
5. KULIKOVA, Tatjana - PORFIREVA, Anna - ROGOV, Alexey - EVTUGYN, Gennady. Electrochemical DNA Sensor Based on Acridine Yellow Adsorbed on Glassy Carbon Electrode. In *Sensors*, 2021, vol. 21, iss. 22, no. 7763, ISSN 14248220.
6. LIU, Yiqun - LUO, Xiaojin - ZHANG, Youyi - LI, Zijian - XIAO, Han - CUI, Yue. Electrochemical Protein-Based Biosensors for Creatine Kinase: A Review. In *IEEE Sensors Journal*, 2022, vol. 22, iss. 11, pp. 10280-10291. ISSN 1530437X.
7. CONGUR, Gulash. Electrochemical Biosensors for Monitoring of Drug-DNA Interactions. In: *Current Topics in Medicinal Chemistry*, 2023, vol. 23, iss. 4, pp. 316-330, ISSN 15680266.

SVITKOVÁ, Veronika - LABUDA, Ján - VYSKOČIL, Vlastimil. Batch Injection Analysis with Amperometric Detection for DNA Biosensing Applications. In *Electroanalysis*. Vol. 31, iss. 10 (2019), s. 2001-2006.

Ohlasy:

1. SQUISSATO, Andre L. - MUNOZ, Rodrigo A. A. - BANKS, Craig E. - RICHTER, Eduardo M. An Overview of Recent Electroanalytical Applications Utilizing Screen-Printed Electrodes Within Flow Systems. In *CHEMELECTROCHEM*, 2020, vol. 7, iss. 10, pp. 2211-2221, ISSN 21960216.
2. ZHAO, Hui - LIU, Misha - JIANG, Tao - XU, Jinjin - ZHANG, Huirong - YU, Chaofan - LIU, Zipeng - WANG, Ying - TANG, Longhua. Ultrasensitive monitoring of DNA damage associated with free radicals exposure using dynamic carbon nanotubes bridged interdigitated electrode array. In *Environment International*, 2020, vol. 139, no. 105672, ISSN 01604120.
3. RIBEIRO, Michelle M. A. C. - ROCHA, Raquel G. - MUNOZ, Rodrigo A. A. - RICHTER, Eduardo M. A Batch Injection Analysis System with Square-wave Voltammetric Detection for Fast and Simultaneous Determination of Zinc and Ascorbic Acid. In *Electroanalysis*, 2020, vol. 33, iss. 1, pp. 90-96, ISSN 10400397.
4. SILVA, Eduardo Fonseca - TANAKA, Auro Atsushi - FERNANDES, Ridvan Nunes - MUNOZ, Rodrigo Alejandro Abarza - SILVA, Iranaldo Santos da. Batch injection analysis with electrochemical detection for the simultaneous determination of the diuretics furosemide and hydrochlorothiazide in synthetic urine and pharmaceutical samples. In *Microchemical Journal*, 2020, vol. 157, no. 105027, ISSN 0026265X.
5. RICHTER, Eduardo M. – MUNOZ, Rodrigo A.A. Amperometric detection for bioanalysis. In: *Tools and Trends in Bioanalytical Chemistry*, 2021, pp. 253-264, ISBN 978-303082381-8.
6. HAŠSO, Marek – ŠVORC, Ľubomír. Batch injection analysis in tandem with electrochemical detection: the recent trends and an overview of the latest applications (2015–2020). In: *Monatshefte für Chemie*, 2022, vol. 153, iss. 11, pp. 985-1000. ISSN 00269247.

SVITKOVÁ, Veronika - PALCHETTI, Ilaria. Functional polymers in photoelectrochemical biosensing. In *Bioelectrochemistry*. Vol. 136, (2020), s. [1-12], art. no. 107590.

Ohlasy:

1. GAO, Mingkun - GAO, Yuhang - CHEN, Ge - HUANG, Xiaodong - XU, Xiaomin - LV, Jun - WANG, Jing - XU, Donghui - LIU, Guangyang. Recent Advances and Future Trends in the Detection of Contaminants by Molecularly Imprinted Polymers in Food Samples. In *Frontiers in Chemistry*, 2020, vol. 8, no. 616326, ISSN 22962646.
2. ZHAO, Changzhi - HE, Yanyan - WANG, Xiaoyu - SUN, Wei. Photoelectrochemical determination of oxidase activity based on photoinduced direct electron transfer of protein by using a convenient photoelectrochemical detector. In *Sensors and Actuators B-Chemical*, 2021, vol. 328, no. 128992, ISSN 09254005.
3. LI, Wang - ZHANG, Xiaoyue - LI, Tingting - JI, Yibing - LI, Ruijun. Molecularly imprinted polymer-enhanced biomimetic paper-based analytical devices: A review. In *Analytica Chimica Acta*, 2021, vol. 1148, no. 238196, ISSN 00032670.

4. NEMCEKOVA, Katarina - LABUDA, Jan. Advanced materials-integrated electrochemical sensors as promising medical diagnostics tools: A review. In *Materials Science & Engineering C-Materials for Biological Applications*, 2021, vol. 120, no. 111751, ISSN 09284931.
5. HOANG, Thi Xoan - PHAN, Le Minh Tu - VO, Thuy Anh Thu - CHO, Sungbo. Advanced Signal-Amplification Strategies for Paper-Based Analytical Devices: A Comprehensive Review. In *Biomedicines*, 2021, vol. 9, iss. 5, no. 540, ISSN 22279059.
6. LEUNG, Joseph-Hang - NGUYEN, Hong-Thai - FENG, Shih-Wei - ARTEMKINA, Sofya B. - FEDOROV, Vladimir E. - HSIEH, Shang-Chin - WANG, Hsiang-Chen. Characteristics of P-Type and N-Type Photoelectrochemical Biosensors: A Case Study for Esophageal Cancer Detection. In *Nanomaterials*, 2021, vol. 11, iss. 5, no. 1065, ISSN 20794991.
7. WANG, Lan - ZHANG, Huan - SHI, Hang - JIN, Baodan - QIN, Xiaoyun - WANG, Geng - LI, Kucong - ZHANG, Tingting - ZHANG, Hongzhong. In-site synthesis of an inorganic-framework molecular imprinted TiO₂/CdS heterostructure for the photoelectrochemical sensing of bisphenol A. In *Analytical Methods*, 2021, vol. 13, iss. 25, pp. 2857-2864, ISSN 1759-9660.
8. LI, Ting - DONG, Hui - HAO, Yuanqiang - ZHANG, Yintang - CHEN, Shu - XU, Maotian - ZHOU, Yanli. Near-infrared Responsive Photoelectrochemical Biosensors. In *Electroanalysis*, 2022, vol. 34, iss. 6, pp. 956-695, ISSN 10400397.
9. ZHANG, Jiarong - SUN, Hui - PEI, Wei - JIANG, Huijun - CHEN, Jin. Nanobody-based immunosensing methods for safeguarding public health. In *Journal of Biomedical Research*, 2021, vol. 35, iss. 4, pp. 318-326. ISSN 16748301.
10. ZHANG, Ling - ZHU, Yuan-Cheng - ZHAO, Wei-Wei. Recent Advances of Nanostructured Materials for Photoelectrochemical Bioanalysis. In *Chemosensors*, 2022, vol. 10, iss. 1, no. 14, ISSN 22279040.
11. YANG, Shaoming - DENG, Kaiqiang - SHAO, Shan - ZHANG, Jian - PENG, Jiayi - FANG, Zhili - XU, Wenyuan. A visible light responsive molecularly imprinted photoelectrochemical sensor for the sensitive detection of BSA. In *Journal of Solid State Electrochemistry*, 2022, vol. 26, iss. 3, pp. 821-830, ISSN 14328488.
12. LIN, Hua - XIONG, Jiamven - XIE, Yulong - LU, Kailing - TAN, Wei. Construction of a Photoelectrochemical Sensor Based on FeTCPc@ZnO for the Detection of Oxytetracycline. In *International Journal of Electrochemical Science*, 2022, vol. 17, no. 220411, ISSN 14523981.
13. DONG, Jintao - CHEN, Feng - XU, Li - YAN, Pengcheng - QIAN, Junchao - CHEN, Yun - YANG, Mengying - LI, Henan. Fabrication of sensitive photoelectrochemical aptasensor using Ag nanoparticles sensitized bismuth oxyiodide for determination of chloramphenicol. In *Microchemical Journal*, 2022, vol. 178, no. 107317, ISSN 0026265X.
14. ZHU, Quanjing - YANG, Peng - ZHU, Chuiyu - HE, Yong - FANG, Lichao - HUANG, Hui - LI, Chenghong - WANG, Lina - DENG, Jun - LI, Yan - ZHENG, Junsong. pWavelength-resolved photoelectrochemical biosensor triggered by cascade signal amplification reactions for RNA methylation analysis on a single interface/p. In *Sensors and Actuators B-Chemical*, 2022, vol. 364, no. 131920, ISSN 09254005.

15. OZCELIKAY, G. - KAYA, S., I - OZKAN, E. - CETINKAYA, A. - NEMUTLU, E. - KIR, S. - OZKAN, S. A. Sensor-based MIP technologies for targeted metabolomics analysis. In TRAC-Trends in Analytical Chemistry, 2022, vol. 146, no. 116487, ISSN 01659936.
16. HORBENKO, Yu - TSIZH, B. - DZERYN, M. - OLENYCH, I - AKSIMENTYEVA, O. - BOGATYREV, V. Sensitive Elements of Gas Sensors Based on Poly-O-Toluidine/Silica Nanoparticles Composite. In Acta Physica Polonica A, 2022, vol. 141, iss. 4, pp. 386-389. ISSN 05874246.
17. SHI, Jiaju - CHEN, Zichao - ZHAO, Chunqin - SHEN, Meiqi - LI, Han - ZHANG, Shusheng - ZHANG, Zhen. Photoelectrochemical biosensing platforms for tumor marker detection. In: Coordination Chemistry Reviews, 2022, vol. 469, no. 214675, ISSN 00108545.
18. XU, Xiaoyun - ZHOU, Hong - ZHANG, Jihui - LI, Yanping - YANG, Yunjun - FANG, Yishan - WU, Zhengzong - CUI, Bo - HU, Qiong. One-Step Electropolymerization of Polythiophene Derivative Film for Photoelectrochemical Detection of Chlorpyrifos. In: Journal of the Electrochemical Society, 2022, vol. 169, iss. 10, no. 106502, ISSN 00134651.
19. LUO, Yaoyu - FENG, Xinrui - CHEN, Zhiliang - SHEN, Xiantao. Molecularly imprinted photocatalysts: fabrication, application and challenges. In: Materials Advances, 2022, vol. 3, iss. 24, pp. 8830-8847, ISSN 26335409.
20. SHAN, Jinghai – GAO, Wenhao – LIU, Xinyue – FENG, Jinhui – DAI, Li – WANG, Huan – FAN, Dawei – MA, Hongmin – WEI, QIN. Synergistic enhancement effect of polydopamine–polyethyleneimine hybrid films for a visible-light photoelectrochemical biosensing interface. In ChemPhysMater, 2023, vol. 2, iss. 1, pp. 69-76, ISSN 27725715.
21. SELVARAJ, Chandrabose – DINESH, Dhurvas Chandrasekaran – RAJARAM, Kaushik – SUNDARESAN, Srivignesh, SINGH, Sanjeev Kumar. Macromolecular chemistry: An introduction. In: In-Silico Approaches to Macromolecular Chemistry, 2023, pp. 71-128, ISBN 978-032390995-2.
22. NAEEM, Huma – ALI, Liaqat – AKRAM, Nadeem – ABDID, Zeeshan - WAHAD, Faiza. Existing confines and new trends of photoelectrochemical bioanalysis. In: Photoelectrochemical Bioanalysis: Fundamentals and Emerging Applications, 2023, pp. 99-114, ISBN 978-044318955-5.
23. KAMAL, Zul – JAN, Abdul, Khaliq – ALMAWASH, Saud – ULLAH, Atta – ESA, Muhammad – SHAFIQUE, Muhammad. Photoelectrochemical cell-mediated detection. In: Photoelectrochemical Bioanalysis: Fundamentals and Emerging Applications, 2023, pp. 127-138, ISBN 978-044318955-5.
24. KHAN, Mohd Arham – SHAKEEL, Nimra – AHAMED, Mohd Imran – KHAN, Azra – ANWAR, Naushad. Fundamentals of photoelectrochemical bioanalysis. In: Photoelectrochemical Bioanalysis: Fundamentals and Emerging Applications, 2023, pp. 1-22, ISBN 978-044318955-5.
25. JOHN, Sarah – NISA, Mehr Un – BASHIR, Muqadas – WAHAD, Faiza – AKRAM, Nadeem – ABDULLAH, Muhammad Imran. Sensitivities and safety challenges of photoelectrochemical biosensor. In: Photoelectrochemical Bioanalysis: Fundamentals and Emerging Applications, 2023, pp. 283-306, ISBN 978-044318955-5.

26. RAZZAQ, Samia – WAHAD, Faiza – TOIGANBAYEVA, Saltant – ALI, Liaqat – ABDID, Zeeshan. Recent advances and developments in photoelectrochemical bioanalysis techniques. In: Photoelectrochemical Bioanalysis: Fundamentals and Emerging Applications, 2023, pp. 307-320, ISBN 978-044318955-5.
27. MOGHARABI-MANZARI, Mehdi – REZAEI, Shahla – SALEHIPOUR, Masoud – PAKDIN-PARIZI, Zahra – MOTAHARIAN, Ali. Photoelectrochemical enzymatic sensing. In: Photoelectrochemical Bioanalysis: Fundamentals and Emerging Applications, 2023, pp. 115-126, ISBN 978-044318955-5.
28. LI, Huanhuan – SHENG, Wei – HARUNA, Suleiman A. – BEI, Qiyi – WEI, Wenya – HASSAN, Md Mehedi – CHEN, Quansheng. Recent progress in photoelectrochemical sensors to quantify pesticides in foods: Theory, photoactive substrate selection, recognition elements and applications. In: TrAC - Trends in Analytical Chemistry, 2023, vol. 164, no. 117108, ISSN 01659936.
29. MEI, Xue – WANG, Wenchang – BU, Liyin – LI, Qingyi – JIANG, Ding – WU, Minxian – CHEN, Zhidong. A mini-review on the applications of conductive polymers in electrochemiluminescent sensors. In: Microchemical Journal, 2023, vol. 195, no. 109451, ISSN 0026265X.
30. WEI, Dengshuai – SUN, Yong – ZHU, Hu – FU, Qinrui. Stimuli-Responsive Polymer-Based Nanosystems for Cancer Theranostics. In: ACS Nano, 2023, vol. 17, iss. 23, pp. 23223-23261, ISSN 19360851.
31. ÖZBEK, Merve A. - ÇALIŞIR, Merve - BERELI, Nilay - DENIZLI, Adil. DNA biosensors. In: Organic and Inorganic Materials Based Sensors, 2023, vol. 1-3, pp. 369-381, ISBN 978-352783426-6.
32. SONG, Rumeng – LI, Ying – ZHANG, Chi – LI, Gaiping – ZOU, Lina. A sensitive signal off photoelectrochemical aptasensor based on CuO nanosheets @Au nanoflowers for the detection of chloramphenicol. In: Microchemical Journal, 2024, vol. 196, no. 109688, ISSN 0026265X.
33. KAPOOR, Ashish – RAGHUNATHAN, Muthukumar – KUMAR, Praveen – TRIPATHI, S.C. – HAQUE, Shafiul – PAL, Dan bahadur. Molecularly Imprinted Polymers Coupled with Cellulosic Paper-Based Analytical Devices for Biosensing Applications. In: Indian Journal of Microbiology, 2024, ISSN 00468991.
34. ZHAO, Shuang – YUE, Zhao – ZHU, Dingcheng – HARBERTS, Jann – BLICK, Robert H. – ZIEROLD, Robert – LISDAT, Fred – PARAK, Wolfgang J. Quantum Dot/TiO₂ Nanocomposite-Based Photoelectrochemical Sensor for Enhanced H₂O₂ Detection Applied for Cell Monitoring and Visualization. In: Small, 2024, ISSN 16136810.
35. XU, Xiaoyun – XU, Qian – LI, Weiqiang – XIAO, Fangbin – XU, Hengyi. From engineered photoactive materials to detection signal amplification strategies in photoelectrochemical biosensing of pathogens: New horizons and perspectives. In: Chemical Engineering Journal, 2024, vol. 480, no. 147941, ISSN 13858947.
36. GORLA, Felipe Augusto – DO PRADO FERREIRA, Milena – DOS SANTOS, Caroline Santana – DE MATOS, Roberto – SEGATELLI, Mariana Gava – TERLEY, César Ricardi Teixeira. Highly sensitive and selective dopamine determination using a photoelectrochemical sensor based on the BiVO₄ and surface molecularly imprinted poly(acrylic acid-co-TRIM) on vinyl functionalized carbon nanotubes. In: Journal of Electroanalytical Chemistry, 2024, vol. 953, no. 117988, ISSN 15726657.

37. SENGAR, Manish S. – KUMARI, Priya – SENGAR, Neha – SINGH, Santosh K. Molecularly Imprinted Polymer Technology for the Advancement of Its Health Surveillances and Environmental Monitoring. In: ACS Applied Polymer Materials, 2024, vol. 6, iss. 2, pp. 1086-1105, ISSN 26376105.
38. HU, Chen – WANG, Liu – LIU, Shangbin – SHENG, Xing – YIN, Lan. Recent Development of Implantable Chemical Sensors Utilizing Flexible and Biodegradable Materials for Biomedical Applications. In: ACS Nano, 2024, vol. 18, iss. 5, pp.3969-3995, ISSN 19360851.

SVITKOVÁ, Veronika - KONDERÍKOVÁ, Kristína - NEMČEKOVÁ, Katarína. Photoelectrochemical aptasensors for detection of viruses. In *Monatshefte für Chemie - Chemical Monthly*. Vol. 153, iss. 11 (2022), s. 251-263.

Ohlasy:

1. ZHANG, Hongfen - LIANG, Fangmiao - ZHANG, Baiyan - LI, Sihan - SHANG, Hongyuan. Precisely controlled CdS/NiO nanomaterials by atomic layer deposition for excellent photoelectrochemical biosensor. In: JOURNAL OF ALLOYS AND COMPOUNDS, 2022, vol. 928, no. 167052, ISSN 09258388.
2. LIU, Fengping - HUANG, Wei - GENG, Lianguo - ZHAO, Shulin - YE, Fanggui. Highly sensitive photoelectrochemical detection of cancer biomarkers based on CdS/Ni-CAT-1 nanorod arrays Z-scheme heterojunction with spherical nucleic acids-templated copper nanoclusters as signal amplification. In: Sensors and Actuators B: Chemical, 2023, vol. 374, no. 132786, ISSN 09254005.
3. NISA, Mehr Un – AJAZ, Muhammad Noman – REHMAN, Abdul – WAHAD, Faiza – GULZAR, Sughra – ABID, Zeeshan. Challenges and future of photoelectrochemical bioanalysis. In: Photoelectrochemical Bioanalysis: Fundamentals and Emerging Applications, 2023, pp. 139-170. ISBN 978-044318955-5.
4. RAZZAQ, Samia – WAHAD, Faiza – TOIGANBAYEVA, Saltant – ALI, Liaqat – ABID, Zeeshan. Recent advances and developments in photoelectrochemical bioanalysis techniques. In: Photoelectrochemical Bioanalysis: Fundamentals and Emerging Applications, 2023, pp. 307-320. ISBN 978-044318955-5.
5. DELMIGLIO, Catia – WAITE, David W. – LILLY, Sonia T. – YAN, Juncong – ELLIOTT, Candace E. – PATTEMORE, Julie – GUY, Paul L. – THOMPSON, Jeremy R. New Virus Diagnostic Approaches to Ensuring the Ongoing Plant Biosecurity of Aotearoa New Zealand. In: Viruses, 2023, vol. 15, iss. 2, no. 418, ISSN 19994915.
6. HEJJI, Lamia – AZZOUZ, Abdelmonaim, KUKKAR – Deepak, KIM – Ki-Hyun. Recent advancements in nanomaterials-based aptasensors for the detection of emerging contaminants in foodstuffs. In: TrAC - Trends in Analytical Chemistry, 2023, vol. 166, no. 117194, ISSN 01659936.
7. WU, Di – TANG, Dianping. Recent advances on portable photoelectrochemical biosensors for diagnostics. In: Electroanalysis, 2023, vol. 35, iss. 12, no. e202300265, ISSN 10400397.
8. XIA, Mengshi – YANG, Pan – ZHU, Chuiyu – HU, Yue – FANG, Junsong – WANG, Xiaolong – LI, Yan. Highly Efficient Photoelectrochemical Detection of Cystatin C Based on a Core-Shell MOF Nanocomposite with Biomimetic-Catalysis Amplification. In: ACS Omega, 2024, vol. 9, iss. 26, pp. 28228-28236, ISSN 24701343.

9. MONSALVE, Yeison, CRUZ-PACHECO, Andrés F. – OROZO, Jahir. Red and near-infrared light-activated photoelectrochemical nanobiosensors for biomedical target detection. In: *Microchimica Acta*, 2024, vol. 191, iss. 9, no. 535, ISSN 00263672.

SVITKOVÁ, Veronika - NEMČEKOVÁ, Katarína - VYSKOČIL, Vlastimil. Application of silver solid amalgam electrodes in electrochemical detection of DNA damage. In *Analytical and Bioanalytical Chemistry*. Vol. 414, iss. 18 (2022), s. 5435-5444.

Ohlasy:

1. BANGRUWA, Neeraj - SRIVASTAVA, Manish - MISHRA, Debabrata. CISS-Based Label-Free Novel Electrochemical Impedimetric Detection of UVC-Induced DNA Damage. In: *ACS OMEGA*, 2022, vol. 7, no. 42, pp. 37705-37713. ISSN 2470-1343.

2. GUO, Fei-Fei – LI, Tong – MU, Xi-Ping – ZHANG, Xue – XU, Zhi-Hao – SUN, Ping – YU, Ri-Lei – XIA, Ya-Mu – GAO, Wei-Wei. Electrochemical detection of the oxidative damage of a potential pyrimido[5,4-g]pteridine-derived antitumor agent toward DNA. In: *Analytical and Bioanalytical Chemistry*, 2023, vol. 415, iss. 12, pp. 2249-2260, ISSN 16182642.

SVITKOVÁ, Veronika - VYSKOČIL, Vlastimil. Electrochemical behavior of methylene blue at bare and DNA-modified silver solid amalgam electrodes. In *Journal of Solid State Electrochemistry*. Vol. 26, iss. 11 (2022), s. 2491-2499.

Ohlasy:

1. MENG, Xiaoya – SANG, Maosheng – GUO, Qi – LI, Zhongyu – ZHOU, Quanlong – SUN, Xia – ZHAO, Wenping. Target-Induced Electrochemical Sensor Based on Foldable Aptamer and MoS₂@MWCNTs-PEI for Enhanced Detection of AFB₁ in Peanuts. In: *Langmuir*, 2023, vol. 39, iss. 46, pp. 16422-16431, ISSN 07437463.

2. YU, He – CHEN, Wei – XU, Baotong – YAO, Wei – FEDIN, Vladimir P. – GAO, Enjun. Photocatalytic degradation of methyl orange by a Pt(II) complex under visible light irradiation. In: *Journal of Coordination Chemistry*, 2024, vol. 77, iss. 12-14, pp. 1553-1565, ISSN 00958972.

3. ZHOU, Fujiang – HE, Danfeng – REN, Guojian – YARAHMADI, Hossein. Sustainable conversion of polyethylene plastic bottles into terephthalic acid, synthesis of coated MIL-101 metal-organic framework and catalytic degradation of pollutant dyes. In: *Scientific Reports*, 2024, vol. 14, iss. 1, no. 12832, ISSN 20452322.

V Bratislave 2.10.2024

.....
Podpis