## Ferenc Kilar

## List of Publications by Year

 in descending orderSource: https:|/exaly.com/author-pdf/352988/publications.pdf
Version: 2024-02-01
 Determination of tropane alkaloids atropine and scopolamine by liquid chromatographyâ€"mass spectrometry in plant organs of Datura species. Journal of Chromatography A, 2012, 1232, 295-301.
7 Homology modelling and molecular dynamics studies of human placental tissue protein 13$2.1 \quad 85$
7 (galectin-13). Protein Engineering, Design and Selection, 2001, 14, 875-880.$8 \quad$ Identification of polyphenolic compounds in red and white grape varieties grown in R. Macedonia andchanges of their content during ripening. Food Research International, 2011, 44, 2851-2860.

Volatile Composition of Macedonian and Hungarian Wines Assessed by CC/MS. Food and Bioprocess
Technology, 2013, 6, 1609-1617.

Monolithic beds of artificial gel antibodies. Journal of Chromatography A, 2006, 1109, 100-102.
3.7

Twelve receptor molecules attach per viral particle of human rhinovirus serotype 2 via multiple modules. FEBS Letters, 2004, 568, 99-104.
2.8

Universal method for synthesis of artificial gel antibodies by the imprinting approach combined with a unique electrophoresis technique for detection of minute structural differences of proteins, viruses, and cells (bacteria). III: Gel antibodies against cells (bacteria). Electrophoresis, 2006, 27,
2.4 4682-4687.

23 Separation of tryptophan-derivative enantiomers with iron-free human serum transferrin by capillary zone electrophoresis. Electrophoresis, 1995, 16, 1510-1518.

Comparison of the mass transfer in totally porous and superficially porous stationary phases in liquid chromatography. Analytical and Bioanalytical Chemistry, 2010, 397, 1307-1314.
3.7

Calculation of the in-plane force constants and vibrational spectra of pyridine and its deuterated derivatives by the CNDO/2 force method. Journal of Molecular Structure, 1980, 65, 141-152.
3.6

Application of high-performance chromatographic and electrophoretic methods to the purification
26 and characterization of glucose oxidase and catalase from penicillium chrysogenum. Journal of Chromatography A, 1987, 397, 239-249.

27 Stereoselective interaction of drug enantiomers with human serum transferrin in capillary zone electrophoresis (II). Electrophoresis, 1998, 19, 282-287.

Protein profile characterization of bacterial lysates by capillary electrophoresis. Electrophoresis, 1998, 19, 2317-2323.

## Role of chemical structure in stereoselective recognition of $\hat{2}$-blockers by cyclodextrins in capillary

 zone electrophoresis. Journal of Proteomics, 2008, 70, 1268-1275.Complementary MÃ $\boldsymbol{I}_{\text {ssbauer and }}$ EPR Studies of Iron(III) in Diferric Human Serum Transferrin with
30 Oxalate or Bicarbonate as Synergistic Anions. Archives of Biochemistry and Biophysics, 1994, 308, 52-63.
3.0

25

Carrier ampholytes-based capillary electrophoresis as an alternative to capillary zone
31 electrophoresis in classical background electrolytes. Journal of Chromatography A, 2005, 1087,
3.7

25 183-188.

Stereoselective interaction of drug enantiomers with human serum transferrin in capillary zone electrophoresis. Electrophoresis, 1996, 17, 1950-1953.
2.4

24

Universal method for synthesis of artificial gel antibodies by the imprinting approach combined with a
33 unique electrophoresis technique for detection of minute structural differences of proteins, viruses and cells (bacteria). Ib. Gel antibodies against proteins (hemoglobins). Electrophoresis, 2007, 28,
2.4 2345-2350

Availability and quality of illegitimate somatropin products obtained from the Internet. International Journal of Clinical Pharmacy, 2017, 39, 78-87.
COMPARATIVE STUDY OF THE CHIRAL RESOLUTION OF Î2-BLOCKERS ON CELLULOSE TRIS
37 (3,5-DIMETHYL-PHENYLCARBAMATE) PHASES IN NORMAL AND REVERSED PHASE MODES. Journal of Liquid 1.0 ..... 21 Chromatography and Related Technologies, 2001, 24, 2493-2504.
38 Effect of Antibiotics on Cell Surface Hydrophobicity of Bacteria Causing Orthopedic Wound ..... 1.6 ..... 21 Infections. Chemotherapy, 2003, 49, 237-242.
Fast determination of lactic, succinic, malic, tartaric, shikimic, and citric acids in red Vranec wines by CZEâ€ESIâ€QTOFâ€MS. Electrophoresis, 2018, 39, 1597-1605.Terminology of bioanalytical methods (IUPAC Recommendations 2018). Pure and Applied Chemistry,2018, 90, 1121-1198.43 unique electrophoresis technique for detection of minute structural differences of proteins,viruses, and cells (bacteria): la. Gel antibodies against proteins (transferrins). Journal of Separation
Science 2006. 29. 2802-2809.$\square$
Universal method for synthesis of artificial gel antibodies by the imprinting approach combined with a44 unique electrophoresis technique for detection of minute structural differences of proteins,viruses, and cells (bacteria): II. Gel antibodies against virus (Semliki Forest Virus). Journal of2.5Separation Science, 2006, 29, 2810-2815.Different segmental flexibility of human serum transferrin and lactoferrin. Archives of Biochemistry$\hat{1}^{2}+$-Selective radiodetector for capillary electrophoresis. Journal of Chromatography A, 1993, 645,
$3.7 \quad 17$
319-325.
5.5 ..... 17
Antifungal unsaturated cyclic Mannich ketones and amino alcohols: Study of mechanism of action.$47 \quad$ European Journal of Medicinal Chemistry, 2009, 44, 1823-1829.
Effect of iron restriction on outer membrane protein composition ofPseudomonas strains studied byconventional and microchip electrophoresis. Electrophoresis, 2005, 26, 3789-3795.2.416Capillary electrophoretic determination of main components of natural dyes with MS detection.2.516Journal of Separation Science, 2008, 31, 2457-2462.

Structural variability of endotoxins from Râ€type isogenic mutants of <i>Shigella sonnei</i>. Journal of

Mapping of stereoselective recognition sites on human serum transferrin by capillary electrophoresis

# Validation of a Method for Analysis of Aroma Compounds in Red Wine using Liquidâ€"Liquid Extraction 

Microfluidic chip analysis of outer membrane proteins responsible for serological cross-reaction
between three Gram-negative bacteria: Proteus morganii O34, Escherichia coli O111 and Salmonella
Adelaide O35. Journal of Chromatography A, 2007, 1155, 214-217.
$3.7 \quad 13$Adelaide O35. Journal of Chromatography A, 2007, 1155, 214-217.
13

60 Novel quantitative electrophoretic analysis of endotoxins on microchips. Electrophoresis, 2008, 29,

69 Sampling strategies for capillary isoelectric focusing with electroosmotic zone mobilization
$2.4 \quad 11$
assessed by highâ€resolution dynamic computer simulation. Electrophoresis, 2012, 33, 970-980.

Analgesic topical capsaicinoid therapy increases somatostatin-like immunoreactivity in the human
plasma. Neuropeptides, 2014, 48, 371-378.

Highâ€esolution dynamic computer simulation analysis of the behavior of sample components with
$74 \quad \mathrm{p}<\mathrm{i}\rangle|<| \mathrm{i}\rangle$ values outside the $\mathrm{p}<\mathrm{scp}>\mathrm{H}<|\mathrm{scp}\rangle$ gradient established by carrier ampholyte <scp>CIEF</scp>. 10
Column studies of heavy metal biosorption by immobilized <i>Spirulina platensis</i>-<i> maxima<
cells. Desalination and Water Treatment, 2016, 57, 28340-28348.
76 Characterization of complex, heterogeneous lipid A samples using HPLCâ $€ M$ MS/MS technique III.
Positiveâ€ion mode tandem mass spectrometry to reveal phosphorylation and acylation patterns

[^0]| 77 | Chiral separation of thiazide diuretics by HPLC on Chiralcel OD-RHA ${ }^{\oplus}$, Chiralcel OJ-R $\hat{A}^{\oplus}$ and Chirobiotic-Tâ, $\Phi \hat{A}{ }^{\oplus}$ phases. Journal of Proteomics, 2002, 53, 15-24. | 2.4 | 9 |
| :---: | :---: | :---: | :---: |
| 78 | Monitoring of the conjugation reaction between human serum transferrin and fluorescein isothiocyanate by capillary electrophoresis. Journal of Chromatography A, 2004, 1051, 135-139. | 3.7 | 9 |
| 79 | CE to monitor endotoxins by protein complexation. Electrophoresis, 2006, 27, 4188-4195. | 2.4 | 9 |
| 80 | Effect of electrolyte $p<s c p>H$ </scp> on <scp>CIEF</scp> with narrow $p<s c p>H</ s c p$ > range ampholytes. Electrophoresis, 2012, 33, 3269-3275. | 2.4 | 9 |
| 81 | Contents: Electrophoresis 22'12. Electrophoresis, 2012, 33, 3351-60. | 2.4 | 9 |

Mass Spectrometry for Profiling LOS and Lipid A Structures from Whole-Cell Lysates: Directly from a
82 Few Bacterial Colonies or from Liquid Broth Cultures. Methods in Molecular Biology, 2017, 1600, 187-198.

| 83 | 9-AnthroyInitrile Binding to Serine-181 in Myosin Subfragment 1 As Revealed by FRET Spectroscopy and Molecular Modelingâ€. Biochemistry, 2001, 40, 14806-14811. | 2.5 | 8 |
| :---: | :---: | :---: | :---: |
| 84 | Analysis of a New Doxorubicin Derivative (FCE 23762) and Related Compounds by High Performance Capillary Electrophoresis. Journal of Liquid Chromatography and Related Technologies, 1994, 17, 3911-3923. | 1.0 | 7 |
| 85 | Role of chemical structure in molecular recognition by transferrin. Journal of Molecular Recognition, 2006, 19, 270-274. | 2.1 | 7 |

Modeling of formation and prevention of a pure water zone in capillary isoelectric focusing with
2.4

7 narrow pH range carrier ampholytes. Electrophoresis, 2017, 38, 677-688.

NACEâ€"ESIâ€MS/MS method for separation and characterization of phosphorylation and acylation isomers of lipid A. Electrophoresis, 2020, 41, 1178-1188.
$2.4 \quad 7$

Surface hydrophobicity and electrophoretic mobilities of staphylococcal exotoxins with special reference to toxic shock syndrome toxinâ€l. Apmis, 1989, 97, 1081-1087.99 Altered urinary profiles of endogenous steroids in postmenopausal women with adenocarcinomaendometrii. Gynecological Endocrinology, 2010, 26, 10-15.
$\square$
Zero-field MÃTssbauer studies of diferric human transferrin. Biochemical and Biophysical Research

# In vitro study of antibiotic effect on bacterial adherence to acrylic intraocular lenses. Colloids and Surfaces B: Biointerfaces, 2005, 45, 125-130. 

105 Surfaces B: Biointerfaces, 2005, 45, 125-130. ..... 3

Renewable enzyme reactors based on beds of artificial gel antibodies. Journal of Proteomics, 2008, 70,
109 1188-1191.

Amphotericin B and fluconazole susceptibility of <i>Candida</i> species determined by cellâ€chip technology. Mycoses, 2012, 55, e90-6.

Phytochemical Evaluation of <i>Lythrum Salicaria</i> Extracts and Their Effects on Guinea-Pig Ileum. Natural Product Communications, 2013, 8, 1934578X1300800.

Retention behavior of resorcinareneâ€based cavitands on C <sub>8</sub> and C<sub> 18 </sub> stationary phases. Journal of Separation Science, 2015, 38, 2975-2982.

Capillary zone electrophoresis of proteins applying ionic liquids for dynamic coating and as background electrolyte component. Electrophoresis, 2020, 41, 2083-2091.
2.4

Dynamic Aspects of Signal Transfer in Antibody Molecules. , 1983, , 15-29.

Significant differences in capillary electrophoretic patterns of follicular fluids and sera from women pre-treated for in vitro fertilization. Journal of Proteomics, 2002, 53, 151-156.

Urinary steroid profile in early pregnancy after in vitro fertilization. Acta Obstetricia Et Gynecologica Scandinavica, 2012, 91, 625-629.

Structural background for serological crossâ€reactivity between bacteria of different enterobacterial serotypes. Electrophoresis, 2015, 36, 1336-1343.

Genome sequence of Shigella sonnei 4303. Gut Pathogens, 2018, 10, 47.
3.4

Phosphoglycolipid Profiling of Bacterial Endotoxins. Hungarian Journal of Industrial Chemistry, 2018, 46, 7-11.

Application of tetraphenylporphyrin stationary phases in HPLC of nucleotides and nucleosides. Chromatographia, 2001, 54, 619-623.

A new approach for on-line enrichment in electrophoresis of dilute protein solutions. Journal of
Proteomics, 2008, 70, 1098-1103.

General Approach for Certain Quantitative Calculations for Instance of the Variance of Reversible Adsorption to the Capillary Wall in CE. Analytical Chemistry, 2009, 81, 343-348.

Capillary Electrophoresis Chips for Fingerprinting Endotoxin Chemotypes and Subclasses. Methods in Molecular Biology, 2017, 1600, 151-165.

The Role of Ionic Liquid Interaction in the Separation of Fatty Acid Methyl Estersâ€"Polyunsaturated Geometric Isomers in CCâ€"MS. Separations, 2021, 8, 38.

Application of Chip-Based Flow Cytometry for Amphotericin B and Fluconazole Susceptibility Testing on Candida Strains. Methods in Molecular Biology, 2013, 968, 149-154.

Closantel as a potential lipopolysaccharide biosynthesis inhibitor in Shigella sonnei 4303. Studia Universitatis Babes-Bolyai Chemia, 2019, 64, 61-68.


[^0]:    A. Journal of Mass Spectrometry, 2018, 53, 146-161.

