

Wolfgang Thormann

List of Publications by Year in descending order

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188
papers

6,300
citations

57681

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65
g-index

189
all docs

189
docs citations

189
times ranked

2722
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Dynamic computer simulations of electrophoresis: 2010â€“2020. <i>Electrophoresis</i> , 2022, 43, 10-36. | 1.3 | 11 |
| 2 | The effect of pH adjusted electrolytes on capillary isoelectric focusing assessed by highâ€“resolution dynamic computer simulation. <i>Electrophoresis</i> , 2022, 43, 669-678. | 1.3 | 5 |
| 3 | Separability of stereoisomers by electrokinetic chromatography in presence of a neutral selector â€“ Fundamental aspects assessed by computer simulation. <i>Journal of Chromatography A</i> , 2022, 1673, 463087. | 1.8 | 3 |
| 4 | Instabilities of the pH gradient in carrier ampholyteâ€“based isoelectric focusing: Elucidation of the contributing electrokinetic processes by computer simulation. <i>Electrophoresis</i> , 2021, 42, 814-833. | 1.3 | 10 |
| 5 | Pharmacokinetics and pharmacodynamics of l-methadone in isoflurane-anaesthetized and mechanically ventilated ponies. <i>Veterinary Anaesthesia and Analgesia</i> , 2021, 48, 213-222. | 0.3 | 2 |
| 6 | Bioanalysis of drugs and their metabolites by chiral electromigration techniques (2010â€“2020). <i>Electrophoresis</i> , 2021, 42, 1744-1760. | 1.3 | 9 |
| 7 | Antinociceptive effects of levomethadone in standing horses sedated with romifidine. <i>Veterinary Anaesthesia and Analgesia</i> , 2021, 48, 451-460. | 0.3 | 3 |
| 8 | Stereoselective methadone disposition after administration of racemic methadone to anesthetized Shetland ponies assessed by capillary electrophoresis. <i>Electrophoresis</i> , 2021, 42, 1826-1831. | 1.3 | 1 |
| 9 | Aspects of albendazole metabolism in western lowland gorillas (<i>Gorilla gorilla gorilla</i>) compared to humans and other species assessed by HPLC, LCâ€“MS, and chiral electrokinetic chromatography. <i>Separation Science Plus</i> , 2021, 4, 347-356. | 0.3 | 0 |
| 10 | Capillary electrophoresis for the determination of drugs in biological fluids. <i>Handbook of Analytical Separations</i> , 2020, , 81-96. | 0.8 | 3 |
| 11 | Highâ€“resolution capillary zone electrophoresis and mass spectrometry for distinction of undersialylated and hypoglycosylated transferrin glycoforms in body fluids. <i>Journal of Separation Science</i> , 2020, 43, 241-257. | 1.3 | 7 |
| 12 | Contemporary chiral simulators for capillary zone electrophoresis. <i>Electrophoresis</i> , 2020, 41, 502-513. | 1.3 | 12 |
| 13 | Pharmacokineticâ€“pharmacodynamic modelling of the antinociceptive effect of a romifidine infusion in standing horses. <i>Veterinary Anaesthesia and Analgesia</i> , 2020, 47, 129-136. | 0.3 | 3 |
| 14 | Online Enantioselective Capillary Electrophoretic Method for Screening Cytochrome P450 3A4 Inhibitors. <i>Methods in Molecular Biology</i> , 2020, 2089, 167-178. | 0.4 | 1 |
| 15 | Computer simulation of the isotachophoretic migration and separation of norpseudoephedrine stereoisomers with a free or immobilized neutral chiral selector. <i>Journal of Chromatography A</i> , 2020, 1623, 461176. | 1.8 | 6 |
| 16 | Placental secretion of apolipoprotein A1 and E: the anti-atherogenic impact of the placenta. <i>Scientific Reports</i> , 2019, 9, 6225. | 1.6 | 30 |
| 17 | Enantioselective capillary electrophoresis for pharmacokinetic analysis of methadone and 2â€“ethylideneâ€“1,5â€“dimethylâ€“3,3â€“diphenylpyrrolidine in equines anesthetized with ketamine and isoflurane. <i>Electrophoresis</i> , 2019, 40, 1959-1965. | 1.3 | 10 |
| 18 | Inverse cationic ITP for separation of methadone enantiomers with sulfated Î²â€“cyclodextrin as chiral selector. <i>Electrophoresis</i> , 2019, 40, 659-667. | 1.3 | 5 |

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|----|---|-----|-----------|
| 19 | Role of the equine CYP3A94, CYP3A95 and CYP3A97 in ketamine metabolism in presence of medetomidine, diazepam and methadone studied by enantioselective capillary electrophoresis. <i>Toxicology in Vitro</i> , 2018, 50, 242-248. | 1.1 | 6 |
| 20 | Enantioselective capillary electrophoresis provides insight into the phase II metabolism of ketamine and its metabolites in vivo and in vitro. <i>Electrophoresis</i> , 2018, 39, 1478-1481. | 1.3 | 8 |
| 21 | Computer simulation of the enantioselective separation of weak bases in an online capillary electrophoresis based microanalysis configuration comprising sulfated cyclodextrin as selector. <i>Electrophoresis</i> , 2018, 39, 1482-1487. | 1.3 | 7 |
| 22 | High-resolution capillary zone electrophoresis for transferrin glycoform analysis associated with congenital disorders of glycosylation. <i>Journal of Separation Science</i> , 2018, 41, 2808-2818. | 1.3 | 4 |
| 23 | Computer simulation and enantioselective capillary electrophoresis to characterize isomer mixtures of sulfated β -cyclodextrins. <i>Electrophoresis</i> , 2018, 39, 770-778. | 1.3 | 12 |
| 24 | Monitoring of transferrin isoforms in biological samples by capillary electrophoresis. <i>Journal of Separation Science</i> , 2018, 41, 303-322. | 1.3 | 11 |
| 25 | High-resolution dynamic computer simulation of electrophoresis using a multiphysics software platform. <i>Journal of Chromatography A</i> , 2018, 1532, 216-222. | 1.8 | 12 |
| 26 | Monitoring of cefepime in urine by micellar electrokinetic capillary chromatography with ultraviolet detection and liquid chromatography coupled to mass spectrometry. <i>Journal of Separation Science</i> , 2018, 41, 4067-4074. | 1.3 | 8 |
| 27 | Fundamental aspects of field-amplified electrokinetic injection of cations for enantioselective capillary electrophoresis with sulfated cyclodextrins as selectors. <i>Journal of Chromatography A</i> , 2018, 1558, 85-95. | 1.8 | 17 |
| 28 | Theoretical Principles of Capillary Electromigration Methods. , 2018, , 21-44. | | 2 |
| 29 | Separation of hydroxynorketamine stereoisomers using capillary electrophoresis with sulfated β -cyclodextrin and highly sulfated β -cyclodextrin. <i>Electrophoresis</i> , 2017, 38, 1878-1885. | 1.3 | 10 |
| 30 | Monitoring of cefepime in human serum and plasma by micellar electrokinetic capillary chromatography: Improvement of sample preparation and validation by liquid chromatography coupled to mass spectrometry. <i>Journal of Separation Science</i> , 2017, 40, 1805-1814. | 1.3 | 15 |
| 31 | Effect of the α_2 -receptor agonists medetomidine, detomidine, xylazine, and romifidine on the ketamine metabolism in equines assessed with enantioselective capillary electrophoresis. <i>Electrophoresis</i> , 2017, 38, 1895-1904. | 1.3 | 5 |
| 32 | Analysis of genetic variants of transferrin in human serum after desialylation by capillary zone electrophoresis and capillary isoelectric focusing. <i>Journal of Separation Science</i> , 2017, 40, 2488-2497. | 1.3 | 17 |
| 33 | Insights into head-column field-amplified sample stacking: Part I. Detailed study of electrokinetic injection of a weak base across a short water plug. <i>Journal of Chromatography A</i> , 2017, 1502, 51-61. | 1.8 | 10 |
| 34 | Insights into head-column field-amplified sample stacking: Part II. Study of the behavior of the electrophoretic system after electrokinetic injection of cationic compounds across a short water plug. <i>Journal of Chromatography A</i> , 2017, 1512, 124-132. | 1.8 | 8 |
| 35 | Modeling of formation and prevention of a pure water zone in capillary isoelectric focusing with narrow pH range carrier ampholytes. <i>Electrophoresis</i> , 2017, 38, 677-688. | 1.3 | 7 |
| 36 | Therapeutic drug monitoring of cefepime with micellar electrokinetic capillary chromatography: Assay improvement, quality assurance, and impact on patient drug levels. <i>Journal of Separation Science</i> , 2016, 39, 2626-2632. | 1.3 | 14 |

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|----|--|-----|-----------|
| 37 | Validation of CE modeling with a contactless conductivity array detector. <i>Electrophoresis</i> , 2016, 37, 699-710. | 1.3 | 9 |
| 38 | Cardiopulmonary effects and anaesthesia recovery quality in horses anaesthetized with isoflurane and low-dose ketamine or medetomidine infusions. <i>Veterinary Anaesthesia and Analgesia</i> , 2016, 43, 623-634. | 0.3 | 12 |
| 39 | Simulation and experimental study of enzyme and reactant mixing in capillary electrophoresis based on-line methods. <i>Journal of Chromatography A</i> , 2016, 1471, 192-200. | 1.8 | 16 |
| 40 | Microfluidic Isoelectric Focusing of Amyloid Beta Peptides Followed by Micropillar-Matrix-Assisted Laser Desorption Ionization-Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 10044-10051. | 3.2 | 25 |
| 41 | Pharmacokinetics of ketamine and three metabolites in Beagle dogs under sevoflurane vs. medetomidine comedication assessed by enantioselective capillary electrophoresis. <i>Journal of Chromatography A</i> , 2016, 1467, 436-444. | 1.8 | 20 |
| 42 | Microassay for ketamine and metabolites in plasma and serum based on enantioselective capillary electrophoresis with highly sulfated β -cyclodextrin and electrokinetic analyte injection. <i>Electrophoresis</i> , 2016, 37, 1129-1138. | 1.3 | 27 |
| 43 | Computer simulations of sample preconcentration in carrier-free systems and isoelectric focusing in microchannels using simple ampholytes. <i>Electrophoresis</i> , 2015, 36, 2386-2395. | 1.3 | 4 |
| 44 | Impact of Taylor-Aris diffusivity on analyte and system zone dispersion in CZE assessed by computer simulation and experimental validation. <i>Electrophoresis</i> , 2015, 36, 1529-1538. | 1.3 | 16 |
| 45 | Computer simulation of electrophoretic aspects of enantiomer migration and separation in capillary electrochromatography with a neutral selector. <i>Electrophoresis</i> , 2015, 36, 773-783. | 1.3 | 14 |
| 46 | Clinical and pharmacokinetic evaluation of S-ketamine for intravenous general anaesthesia in horses undergoing field castration. <i>Acta Veterinaria Scandinavica</i> , 2015, 57, 21. | 0.5 | 11 |
| 47 | Effects of medetomidine and its active enantiomer dexmedetomidine on <i>N</i> -demethylation of ketamine in canines determined <i>in vitro</i> using enantioselective capillary electrophoresis. <i>Electrophoresis</i> , 2015, 36, 2703-2712. | 1.3 | 18 |
| 48 | Optimized on-line enantioselective capillary electrophoretic method for kinetic and inhibition studies of drug metabolism mediated by cytochrome P450 enzymes. <i>Electrophoresis</i> , 2015, 36, 1349-1357. | 1.3 | 26 |
| 49 | The Mood-Stabilizer Lithium Prevents Hippocampal Apoptosis and Improves Spatial Memory in Experimental Meningitis. <i>PLoS ONE</i> , 2014, 9, e113607. | 1.1 | 23 |
| 50 | Development of a method for analysis of ketamine and norketamine enantiomers in equine brain and cerebrospinal fluid by capillary electrophoresis. <i>Electrophoresis</i> , 2014, 35, 2863-2869. | 1.3 | 10 |
| 51 | Contactless conductivity detector array for capillary electrophoresis. <i>Electrophoresis</i> , 2014, 35, 482-486. | 1.3 | 26 |
| 52 | Determination of genetic transferrin variants in human serum by high-resolution capillary zone electrophoresis. <i>Journal of Separation Science</i> , 2014, 37, 1663-1670. | 1.3 | 10 |
| 53 | Monitoring of <i>threo</i> -methylphenidate enantiomers in oral fluid by capillary electrophoresis with head-column field-amplified sample injection. <i>Electrophoresis</i> , 2014, 35, 986-992. | 1.3 | 24 |
| 54 | Dynamic computer simulation of electrophoretic enantiomer migration order and separation in presence of a neutral cyclodextrin. <i>Electrophoresis</i> , 2014, 35, 2833-2841. | 1.3 | 22 |

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| 55 | Dynamic high-resolution computer simulation of isotachophoretic enantiomer separation and zone stability. <i>Electrophoresis</i> , 2014, 35, 625-637. | 1.3 | 14 |
| 56 | An MEKC assay for the therapeutic drug monitoring of cefepime. <i>Journal of Separation Science</i> , 2013, 36, 2915-2921. | 1.3 | 11 |
| 57 | Influence of high-conductivity buffer composition on field-enhanced sample injection coupled to sweeping in CE. <i>Electrophoresis</i> , 2013, 34, 353-362. | 1.3 | 15 |
| 58 | Monitoring of alcohol markers by capillary electrophoresis. <i>Journal of Separation Science</i> , 2013, 36, 75-95. | 1.3 | 19 |
| 59 | Determination of carbohydrate-deficient transferrin in human serum by capillary zone electrophoresis: Evaluation of assay performance and quality assurance over a 10-year period in the routine arena. <i>Electrophoresis</i> , 2013, 34, 1563-1571. | 1.3 | 17 |
| 60 | High-resolution dynamic computer simulation analysis of the behavior of sample components with pI values outside the pH gradient established by carrier ampholyte CIEF. | 1.3 | 10 |
| 61 | Transferrin immunoextraction for determination of carbohydrate-deficient transferrin in human serum by capillary zone electrophoresis. <i>Journal of Separation Science</i> , 2012, 35, 3521-3528. | 1.3 | 16 |
| 62 | Electrophoretically mediated microanalysis for characterization of the enantioselective CYP3A4 catalyzed N-demethylation of ketamine. <i>Electrophoresis</i> , 2012, 33, 3299-3305. | 1.3 | 24 |
| 63 | Dynamic high-resolution computer simulation of electrophoretic enantiomer separations with neutral cyclodextrins as chiral selectors. <i>Electrophoresis</i> , 2012, 33, 958-969. | 1.3 | 31 |
| 64 | Sampling strategies for capillary isoelectric focusing with electroosmotic zone mobilization assessed by high-resolution dynamic computer simulation. <i>Electrophoresis</i> , 2012, 33, 970-980. | 1.3 | 11 |
| 65 | Capillary Electrophoretic Separations. <i>Methods of Biochemical Analysis</i> , 2011, 54, 451-485. | 0.2 | 3 |
| 66 | Inhibition of cytochrome P450 enzymes involved in ketamine metabolism by use of liver microsomes and specific cytochrome P450 enzymes from horses, dogs, and humans. <i>American Journal of Veterinary Research</i> , 2011, 72, 1505-1513. | 0.3 | 30 |
| 67 | Stereoselective determination of drugs and metabolites in body fluids, tissues and microsomal preparations by capillary electrophoresis (2000-2010). <i>Journal of Chromatography A</i> , 2011, 1218, 588-601. | 1.8 | 59 |
| 68 | High-resolution electrophoretic simulations: Performance characteristics of one-dimensional simulators. <i>Electrophoresis</i> , 2011, 32, 532-541. | 1.3 | 30 |
| 69 | Insight into the mechanism of transient trapping in micellar electrokinetic chromatography. <i>Electrophoresis</i> , 2011, 32, 542-549. | 1.3 | 20 |
| 70 | Confirmation analysis of ethyl glucuronide and ethyl sulfate in human serum and urine by CE-ESI-MS after intake of alcoholic beverages. <i>Electrophoresis</i> , 2011, 32, 1760-1764. | 1.3 | 15 |
| 71 | Micropreparative isoelectric focusing protein separation in a suspended drop. <i>Electrophoresis</i> , 2011, 32, 1433-1437. | 1.3 | 10 |
| 72 | Enantioselective capillary electrophoresis for the assessment of CYP3A4-mediated ketamine demethylation and inhibition in vitro. <i>Electrophoresis</i> , 2011, 32, 2738-2745. | 1.3 | 19 |

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|----|---|-----|-----------|
| 73 | Dynamic computer simulations of electrophoresis: A versatile research and teaching tool. <i>Electrophoresis</i> , 2010, 31, 726-754. | 1.3 | 58 |
| 74 | Enantioselective CE analysis of hepatic ketamine metabolism in different species <i>in vitro</i> . <i>Electrophoresis</i> , 2010, 31, 1506-1516. | 1.3 | 31 |
| 75 | Enantioselective capillary electrophoresis for identification and characterization of human cytochrome P450 enzymes which metabolize ketamine and norketamine <i>in vitro</i> . <i>Journal of Chromatography A</i> , 2010, 1217, 7942-7948. | 1.8 | 83 |
| 76 | Plasma levels of a low-dose constant-rate-infusion of ketamine and its effect on single and repeated nociceptive stimuli in conscious dogs. <i>Veterinary Journal</i> , 2009, 182, 252-260. | 0.6 | 34 |
| 77 | High-resolution computer simulations of EKC. <i>Electrophoresis</i> , 2009, 30, 570-578. | 1.3 | 22 |
| 78 | Dynamic computer simulations of electrophoresis: Three decades of active research. <i>Electrophoresis</i> , 2009, 30, S16-26. | 1.3 | 46 |
| 79 | CE provides evidence of the stereoselective hydroxylation of norketamine in equines. <i>Electrophoresis</i> , 2009, 30, 2912-2921. | 1.3 | 29 |
| 80 | Determination of ethyl glucuronide in human serum by capillary zone electrophoresis and an immunoassay. <i>Journal of Separation Science</i> , 2009, 32, 3497-3506. | 1.3 | 10 |
| 81 | Evaluation of anesthesia recovery quality after low-dose racemic or S-ketamine infusions during anesthesia with isoflurane in horses. <i>American Journal of Veterinary Research</i> , 2009, 70, 710-718. | 0.3 | 28 |
| 82 | Stereoselective pharmacokinetics of ketamine and norketamine after constant rate infusion of a subanesthetic dose of racemic ketamine or S-ketamine in Shetland ponies. <i>American Journal of Veterinary Research</i> , 2009, 70, 831-839. | 0.3 | 26 |
| 83 | <i>In vitro</i> evaluation of differences in phase 1 metabolism of ketamine and other analgesics among humans, horses, and dogs. <i>American Journal of Veterinary Research</i> , 2009, 70, 777-786. | 0.3 | 28 |
| 84 | Determination of carbohydrate-deficient transferrin in human serum by two capillary zone electrophoresis methods and a direct immunoassay: Comparison of patient data. <i>Journal of Separation Science</i> , 2008, 31, 3079-3087. | 1.3 | 17 |
| 85 | High-resolution computer simulation of the dynamics of isoelectric focusing: In quest of more realistic input parameters for carrier ampholytes. <i>Electrophoresis</i> , 2008, 29, 1036-1047. | 1.3 | 34 |
| 86 | High-resolution computer simulation of electrophoretic mobilization in isoelectric focusing. <i>Electrophoresis</i> , 2008, 29, 1676-1686. | 1.3 | 21 |
| 87 | Determination of carbohydrate-deficient transferrin in human serum with capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2008, 1206, 33-40. | 1.8 | 24 |
| 88 | Determination of ethyl sulfate in human serum and urine by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2008, 1206, 26-32. | 1.8 | 18 |
| 89 | Effects of a low dose infusion of racemic and S-ketamine on the nociceptive withdrawal reflex in standing ponies. <i>Veterinary Anaesthesia and Analgesia</i> , 2008, 35, 414-423. | 0.3 | 47 |
| 90 | Stereoselective pharmacokinetics of ketamine and norketamine after racemic ketamine or S-ketamine administration in Shetland ponies sedated with xylazine. <i>Veterinary Journal</i> , 2008, 177, 432-435. | 0.6 | 34 |

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|-----|--|-----|-----------|
| 91 | Enantioselective analysis of ketamine and its metabolites in equine plasma and urine by CE with multiple isomer sulfated β -CD. <i>Electrophoresis</i> , 2007, 28, 2748-2757. | 1.3 | 46 |
| 92 | High-Resolution Computer Simulations of Stacking of Weak Bases Using a Transient pH Boundary in Capillary Electrophoresis. 1. Concept and Impact of Sample Ionic Strength. <i>Analytical Chemistry</i> , 2006, 78, 538-546. | 3.2 | 47 |
| 93 | Capillary zone electrophoresis determination of carbohydrate-deficient transferrin using the new CEofix reagents under high-resolution conditions. <i>Journal of Chromatography A</i> , 2006, 1130, 272-280. | 1.8 | 30 |
| 94 | High-resolution computer simulation of the dynamics of isoelectric focusing using carrier ampholytes: Focusing with concurrent electrophoretic mobilization is an isotachophoretic process. <i>Electrophoresis</i> , 2006, 27, 968-983. | 1.3 | 41 |
| 95 | Capillary electrophoretic investigation of the enantioselective metabolism of propafenone by human cytochrome P-450 SUPERSOMES: Evidence for atypical kinetics by CYP2D6 and CYP3A4. <i>Electrophoresis</i> , 2006, 27, 1526-1536. | 1.3 | 22 |
| 96 | Effects of lactate and acetate on the determination of serum ethyl glucuronide by CZE. <i>Electrophoresis</i> , 2006, 27, 4772-4778. | 1.3 | 12 |
| 97 | ITP in dynamically double-coated fused-silica capillaries. <i>Electrophoresis</i> , 2006, 27, 4618-4630. | 1.3 | 19 |
| 98 | Characterization of the stereoselective biotransformation of ketamine to norketamine via determination of their enantiomers in equine plasma by capillary electrophoresis. <i>Electrophoresis</i> , 2005, 26, 3942-3951. | 1.3 | 37 |
| 99 | Secondary and primary murine alveolar echinococcosis: combined albendazole/nitazoxanide chemotherapy exhibits profound anti-parasitic activity. <i>International Journal for Parasitology</i> , 2004, 34, 615-624. | 1.3 | 91 |
| 100 | High-resolution computer simulation of the dynamics of isoelectric focusing of proteins. <i>Electrophoresis</i> , 2004, 25, 324-337. | 1.3 | 55 |
| 101 | Monitoring of drugs and metabolites in body fluids by capillary electrophoresis with XeHg lamp-based and laser-induced fluorescence detection. <i>Electrophoresis</i> , 2004, 25, 1623-1631. | 1.3 | 27 |
| 102 | Improved capillary electrophoresis method for the determination of carbohydrate-deficient transferrin in patient sera. <i>Electrophoresis</i> , 2004, 25, 2309-2318. | 1.3 | 53 |
| 103 | Capillary electrophoresis to assess drug metabolism induced in vitro using single CYP450 enzymes (Supersomes [®]): Application to the chiral metabolism of mephenytoin and methadone. <i>Electrophoresis</i> , 2003, 24, 2577-2587. | 1.3 | 34 |
| 104 | Capillary zone electrophoresis with a dynamic double coating for analysis of carbohydrate-deficient transferrin in human serum: Impact of resolution between disialo- and trisialotransferrin on reference limits. <i>Electrophoresis</i> , 2003, 24, 4272-4281. | 1.3 | 35 |
| 105 | Capillary zone electrophoresis with a dynamic double coating for analysis of carbohydrate-deficient transferrin in human serum. <i>Journal of Chromatography A</i> , 2003, 1013, 131-147. | 1.8 | 38 |
| 106 | Progress of Capillary Electrophoresis in Therapeutic Drug Monitoring and Clinical and Forensic Toxicology. <i>Therapeutic Drug Monitoring</i> , 2002, 24, 222-231. | 1.0 | 55 |
| 107 | High-resolution computer simulation of the dynamics of isoelectric focusing using carrier ampholytes: The post-separation stabilizing phase revisited. <i>Electrophoresis</i> , 2002, 23, 1803. | 1.3 | 62 |
| 108 | Chiral analysis of albendazole sulfoxide enantiomers in human plasma and saliva using capillary electrophoresis with on-column absorption and fluorescence detection. <i>Journal of Separation Science</i> , 2002, 25, 1043-1054. | 1.3 | 17 |

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|-----|---|-----|-----------|
| 109 | Capillary electrophoresis with (R)-(α)-N-(3,5-dinitrobenzoyl)- β -phenylglycine as chiral selector for separation of albendazole sulfoxide enantiomers and their analysis in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 27, 555-567. | 1.4 | 26 |
| 110 | Therapeutic drug monitoring of lamotrigine using capillary electrophoresis. <i>Journal of Chromatography A</i> , 2002, 979, 353-368. | 1.8 | 40 |
| 111 | Evaluation and optimization of capillary zone electrophoresis with different dynamic capillary coatings for the determination of carbohydrate-deficient transferrin in human serum. <i>Journal of Chromatography A</i> , 2002, 979, 43-57. | 1.8 | 58 |
| 112 | Surface Biopassivation of Replicated Poly(dimethylsiloxane) Microfluidic Channels and Application to Heterogeneous Immunoreaction with On-Chip Fluorescence Detection. <i>Analytical Chemistry</i> , 2001, 73, 4181-4189. | 3.2 | 168 |
| 113 | Electrophoretic separations in PMMA capillaries with uniform and discontinuous buffers. <i>Journal of Separation Science</i> , 2001, 13, 69-83. | 1.0 | 40 |
| 114 | Chiral capillary electrophoresis of the methaqualone rotamers: Indication of a stereoselective metabolism. <i>Journal of Separation Science</i> , 2001, 13, 96-101. | 1.0 | 9 |
| 115 | Determination of carbamazepine and carbamazepine-10,11-epoxide in human serum and plasma by micellar electrokinetic capillary chromatography in the absence of electroosmosis. <i>Electrophoresis</i> , 2001, 22, 1345-1355. | 1.3 | 25 |
| 116 | Enantiomeric analysis of the five major monohydroxylated metabolites of methaqualone in human urine by chiral capillary electrophoresis. <i>Electrophoresis</i> , 2001, 22, 3270-3280. | 1.3 | 12 |
| 117 | Advances of capillary electrophoresis in clinical and forensic analysis (1999-2000). <i>Electrophoresis</i> , 2001, 22, 4216-4243. | 1.3 | 87 |
| 118 | Head-column field-amplified sample stacking in presence of siphoning. <i>Journal of Chromatography A</i> , 2001, 924, 507-518. | 1.8 | 54 |
| 119 | Multianalyte capillary electrophoresis assays for screening and confirmation of urinary drugs of abuse. <i>Journal of Separation Science</i> , 2000, 12, 13-24. | 1.0 | 15 |
| 120 | Confirmation testing of amphetamines and designer drugs in human urine by capillary electrophoresis-ion trap mass spectrometry. <i>Electrophoresis</i> , 2000, 21, 380-387. | 1.3 | 71 |
| 121 | Therapeutic drug monitoring of albendazole: Determination of albendazole, albendazole sulfoxide, and albendazole sulfone in human plasma using nonaqueous capillary electrophoresis. <i>Electrophoresis</i> , 2000, 21, 729-736. | 1.3 | 48 |
| 122 | Sample self-stacking in capillary zone electrophoresis: Behavior of samples containing multiple major coionic components*. <i>Electrophoresis</i> , 2000, 21, 2797-2808. | 1.3 | 64 |
| 123 | Enantioselective determination of drugs in body fluids by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2000, 875, 27-41. | 1.8 | 116 |
| 124 | Clinical Applications of Capillary Electrophoresis. Stephen M. Palfrey, ed., Totowa, NJ: Humana Press, 1999, 212 pp., \$79.50. ISBN 0-89603-639-1. <i>Clinical Chemistry</i> , 2000, 46, 311-311. | 1.5 | 1 |
| 125 | Dynamics of Capillary Isoelectric Focusing in the Absence of Fluid Flow: A High-Resolution Computer Simulation and Experimental Validation with Whole Column Optical Imaging. <i>Analytical Chemistry</i> , 2000, 72, 5493-5502. | 3.2 | 62 |
| 126 | Efficacies of Albendazole Sulfoxide and Albendazole Sulfone against In Vitro-Cultivated <i>Echinococcus multilocularis</i> Metacestodes. <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 1052-1061. | 1.4 | 81 |

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|-----|--|-----|-----------|
| 127 | Characterization of the stereoselective metabolism of thiopental and its metabolite pentobarbital via analysis of their enantiomers in human plasma by capillary electrophoresis. <i>Journal of Chromatography A</i> , 1999, 838, 237-249. | 1.8 | 25 |
| 128 | Head-column field-amplified sample stacking in binary system capillary electrophoresis. <i>Journal of Chromatography A</i> , 1999, 853, 95-106. | 1.8 | 50 |
| 129 | Stereoselective screening for and confirmation of urinary enantiomers of amphetamine, methamphetamine, designer drugs, methadone and selected metabolites by capillary electrophoresis. <i>Electrophoresis</i> , 1999, 20, 2726-2738. | 1.3 | 55 |
| 130 | Capillary electrophoresis in clinical and forensic analysis: Recent advances and breakthrough to routine applications. <i>Electrophoresis</i> , 1999, 20, 3203-3236. | 1.3 | 69 |
| 131 | Separation and Purification of Methadone Enantiomers by Continuous- and Interval-Flow Electrophoresis. <i>Analytical Chemistry</i> , 1999, 71, 1840-1850. | 3.2 | 46 |
| 132 | Screening for urinary methadone by capillary electrophoretic immunoassays and confirmation by capillary electrophoresis-mass spectrometry. <i>Electrophoresis</i> , 1998, 19, 57-65. | 1.3 | 50 |
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