Ivan JelÃ-nek

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1753418/publications.pdf

Version: 2024-02-01

63	2,081	236925	233421
papers	citations	25 h-index	45 g-index

63	63	63	1240
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Contactless Conductivity Detector for Microchip Capillary Electrophoresis. Analytical Chemistry, 2002, 74, 1968-1971.	6.5	211
2	Selected applications of cyclodextrin selectors in capillary electrophoresis. Journal of Chromatography A, 1991, 559, 215-222.	3.7	145
3	Use of cyclodextrins in isotachophoresis. Journal of Chromatography A, 1988, 438, 211-218.	3.7	139
4	Micellar, Inclusion and metal-complex enantioselective pseudophases in high-performance electromigration methods. Journal of Chromatography A, 1988, 452, 571-590.	3.7	115
5	Chiral separation by analytical electromigration methods. Journal of Chromatography A, 1992, 609, 1-17.	3.7	102
6	A chip-based capillary electrophoresis-contactless conductivity microsystem for fast measurements of low-explosive ionic components. Analyst, The, 2002, 127, 719-723.	3.5	96
7	Dual photometric-contactless conductometric detector for capillary electrophoresis. Analytica Chimica Acta, 2001, 433, 13-21.	5.4	74
8	Validated HPLCâ€“MSâ€“MS method for simultaneous determination of atorvastatin and 2-hydroxyatorvastatin in human plasmaâ€”pharmacokinetic study. Analytical and Bioanalytical Chemistry, 2006, 386, 275-285.	3.7	67
9	Validated HPLCâ€“MS/MS method for determination of quetiapine in human plasma. Journal of Pharmaceutical and Biomedical Analysis, 2007, 44, 498-505.	2.8	65
10	A Contactless Conductometric Detector with Easily Exchangeable Capillary for Capillary Electrophoresis. Electroanalysis, 2001, 13, 989-992.	2.9	63
11	Validated HPLCâ€“MS/MS method for simultaneous determination of simvastatin and simvastatin hydroxy acid in human plasma. Journal of Pharmaceutical and Biomedical Analysis, 2006, 41, 517-526.	2.8	61
12	SEM and HRTEM study of porous siliconâ€”relationship between fabrication, morphology and optical properties. Applied Surface Science, 2004, 238, 169-174.	6.1	59
13	Use of cyclodextrins in isotachophoresis. Journal of Chromatography A, 1988, 439, 386-392.	3.7	48
14	Determination of sensoric parameters of porous silicon in sensing of organic vapors. Materials Science and Engineering C, 2002, 19, 251-254.	7.3	47
15	Title is missing!. Journal of Chemical Ecology, 1998, 24, 673-683.	1.8	46
16	Validated HPLCâ€“MSâ€“MS method for determination of azithromycin in human plasma. Analytical and Bioanalytical Chemistry, 2005, 383, 210-217.	3.7	41
17	Comparison of high-performance liquid chromatography and capillary electrophoresis for the determination of some bee venom components. Journal of Chromatography A, 1995, 700, 187-193.	3.7	40
18	Use of cyclodextrins in isotachophoresis. Journal of Chromatography A, 1991, 464, 139-147.	3.7	38

#	Article	IF	Citations
19	Determination of 8-hydroxy-2â€²-deoxyguanosine in untreated urine by capillary electrophoresis with UV detection. Journal of Chromatography A, 2003, 985, 513-517.	3.7	38
20	Î²-CYCLODEXTRIN-MODIFIED MONOLITHIC STATIONARY PHASES FOR CAPILLARY ELECTROCHROMATOGRAPHY AND NANO-HPLC CHIRAL ANALYSIS OF EPHEDRINE AND IBUPROFEN. Journal of Liquid Chromatography and Related Technologies, 2002, 25, 2473-2484.	1.0	37
21	Improved dual photometric-contactless conductometric detector for capillary electrophoresis. Analytica Chimica Acta, 2004, 525, 17-21.	5.4	35
22	Mechanisms of photoluminescence sensor response of porous silicon for organic species in gas and liquid phases. Sensors and Actuators B: Chemical, 2004, 100, 246-249.	7.8	32
23	Use of cyclodextrins in isotachophoresis. Journal of Chromatography A, 1987, 411, 153-159.	3.7	29
24	Determination of cyclodextrins and their derivatives by capillary electrophoresis with indirect UV and conductivity detection. Fresenius' Journal of Analytical Chemistry, 2001, 369, 666-669.	1.5	29
25	Use of cyclodextrins in isotachophoresis. Journal of Chromatography A, 1987, 405, 379-384.	3.7	28
26	Putative chemical signals from white-tailed deer (Odocoileus virginianus). Urinary and vaginal mucus volatiles excreted by females during breeding season. Journal of Chemical Ecology, 1995, 21, 869-879.	1.8	26
27	Use of cyclodextrins in isotachophoresis. Journal of Chromatography A, 1988, 450, 373-379.	3.7	25
28	Use of cyclodextrins in isotachophoresis. Journal of Chromatography A, 1989, 472, 308-313.	3.7	24
29	Photoluminescence quenching of porous silicon in gas and liquid phases - the role of dielectric quenching and capillary condensation effects. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 3481-3485.	0.8	23
30	A conductometric detector for capillary separations. Electroanalysis, 1996, 8, 722-725.	2.9	22
31	Polypyrrole-functionalized porous silicon for gas sensing applications. Materials Science and Engineering C, 2006, 26, 1072-1076.	7.3	22
32	Determination of cyclodextrin content using periodate oxidation by capillary electrophoresis. Journal of Chromatography A, 2000, 891, 201-206.	3.7	20
33	Porous silicon with Î²-cyclodextrin modified surface for photoluminescence sensing of organic molecules in gas and liquid phase. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 38, 200-204.	2.7	20
34	Effects of salts on the stability of the cationic radical of phenothiazine derivatives. Talanta, 1991, 38, 1309-1313.	5.5	18
35	Influence of counter-ion inclusion complexation on the quality of cyclodextrin-supported separations in isotachophoresis. Journal of Chromatography A, 1991, 557, 215-226.	3.7	18
36	Use of cyclodextrins in isotachophoresis. Journal of Chromatography A, 1988, 435, 496-500.	3.7	16

#	Article	IF	Citations
37	Concept of effective and non-effective inclusion complex formation in isotachophoresis. Journal of Chromatography A, 1989, 470, 113-121.	3.7	16
38	Determination of thiodiglycolic acid in urine by capillary electrophoresis. Journal of Chromatography A, 1999, 847, 135-139.	3.7	16
39	Recognition enhancement of oxidized and methyl-10-undecenoate functionalized porous silicon in gas phase photoluminescence sensing. Sensors and Actuators B: Chemical, 2010, 147, 406-410.	7.8	16
40	Photoluminescence from porous silicon impregnated with cobalt phthalocyanine. Materials Science and Engineering C, 2005, 25, 645-649.	7.3	15
41	Chiral analysis of biogenicDL-amino acids derivatized by urethane - protected Î±-amino acidN-carboxyanhydride using capillary zone electrophoresis and micellar electrokinetic chromatography. Electrophoresis, 2002, 23, 2449-2456.	2.4	11
42	Split-flow injector for capillary zone electrophoresis. Journal of Chromatography A, 2000, 883, 223-230.	3.7	10
43	DETERMINATION OF AMINO DERIVATIVES OF POLYCYCLIC AROMATIC HYDROCARBONS USING CAPILLARY ELECTROPHORESIS. Analytical Letters, 2001, 34, 1369-1375.	1.8	10
44	Comparison of Association Constants of Cyclodextrins and Their tert-Butyl Derivatives With Halogenbenzoic Acids and Acridine Derivatives. Molecules, 2001, 6, 221-229.	3.8	8
45	Functionalized materials with fluorescent dyes for chemosensor applications. Monatshefte FÃ¼r Chemie, 2017, 148, 1929-1935.	1.8	8
46	CHARACTERIZATION OF NEWLY SYNTHESIZED THIOACRIDINE DERIVATIVES, THEIR VOLTAMMETRIC BEHAVIOUR AND ELECTROPHORETIC DETERMINATION. Analytical Letters, 2001, 34, 1223-1232.	1.8	7
47	Capillary zone electrophoretic assay of biologically active thioacridine derivatives. Journal of Separation Science, 2003, 26, 129-132.	2.5	5
48	Characterization of Rhenium(V) Complexes with Phenols Using Mass Spectrometry with Selected Soft Ionization Techniques. Analytical Letters, 2015, 48, 2329-2342.	1.8	5
49	Sensitive CEâ€MS method for monitoring of riociguat and desmethylriociguat levels in human serum. Electrophoresis, 2020, 41, 1564-1567.	2.4	5
50	Nanostructured Porous Silicon â€“ Optical Properties, Surface Modification and Sensor Applications. Chimia, 2005, 59, 222-225.	0.6	4
51	Simple technique for joining of capillaries in capillary separation methods. Journal of Chromatography A, 1998, 802, 381-384.	3.7	3
52	Effect of AC voltage frequency on the sensitivity of conductometric detection in microseparation techniques. Analytica Chimica Acta, 1999, 390, 101-106.	5.4	3
53	Identification and Purity Control of Thioacridine Derivatives by Gas and Capillary Liquid Chromatography with Mass Spectrometric Detection. Analytical Letters, 2004, 37, 263-272.	1.8	3
54	Chemical sensing by simultaneous measurement of photoluminescence intensity and photoluminescence decay time of porous silicon. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 2078-2082.	0.8	3

#	Article	IF	Citations
55	Host-guest interactions in gas phase chemical sensing of permethyl-6I-alkenoylamino-6I-deoxy-Î²-cyclodextrin derivatized porous silicon. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 2083-2087.	0.8	3
56	Permethylated 6I-alkenoylamino-6I-deoxy Î²-cyclodextrin derivatives as modifiers of photoluminescence sensor response of porous silicon. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 57, 343-348.	1.6	3
57	Synthesis and characterization of rhenium complexes of 1,2,3-trihydroxybenzene as potential antitumor agents. Transition Metal Chemistry, 2017, 42, 211-218.	1.4	2
58	Development of a CEâ€MS method for the study of riociguat and metabolite M1 in pharmaceutical analysis. Electrophoresis, 2019, 40, 2936-2945.	2.4	2
59	Isotachophoretic determination of sulbactam in rat serum. Biomedical Applications, 1989, 495, 338-342.	1.7	1
60	Analytical study of rhenium complexes with pyrogallol and catechol. Chemical Papers, 2017, 71, 819-830.	2.2	1
61	Application of capillary electrophoresis to the separation of rhenium complex of 1,2,3-trihydroxybenzene. Monatshefte FÃ¼r Chemie, 2017, 148, 1619-1624.	1.8	1
62	Chemical Conversion of Hardly Ionizable Rhenium Aryl Chlorocomplexes with p-Substituted Anilines. Molecules, 2021, 26, 3427.	3.8	1
63	Optical porous-silicon-based sensors with chemically modified surface for detection of organic vapors. , 2003, 5036, 51.		0