

# Ivan Jelánek

## List of Publications by Year in descending order

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

Version: 2024-02-01

63  
papers

2,081  
citations

236925

25  
h-index

233421

45  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1240  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical Conversion of Hardly Ionizable Rhenium Aryl Chlorocomplexes with p-Substituted Anilines. <i>Molecules</i> , 2021, 26, 3427.	3.8	1
2	Sensitive CE-MS method for monitoring of riociguat and desmethylriociguat levels in human serum. <i>Electrophoresis</i> , 2020, 41, 1564-1567.	2.4	5
3	Development of a CE-MS method for the study of riociguat and metabolite M1 in pharmaceutical analysis. <i>Electrophoresis</i> , 2019, 40, 2936-2945.	2.4	2
4	Synthesis and characterization of rhenium complexes of 1,2,3-trihydroxybenzene as potential antitumor agents. <i>Transition Metal Chemistry</i> , 2017, 42, 211-218.	1.4	2
5	Analytical study of rhenium complexes with pyrogallol and catechol. <i>Chemical Papers</i> , 2017, 71, 819-830.	2.2	1
6	Functionalized materials with fluorescent dyes for chemosensor applications. <i>Monatshefte für Chemie</i> , 2017, 148, 1929-1935.	1.8	8
7	Application of capillary electrophoresis to the separation of rhenium complex of 1,2,3-trihydroxybenzene. <i>Monatshefte für Chemie</i> , 2017, 148, 1619-1624.	1.8	1
8	Characterization of Rhenium(V) Complexes with Phenols Using Mass Spectrometry with Selected Soft Ionization Techniques. <i>Analytical Letters</i> , 2015, 48, 2329-2342.	1.8	5
9	Recognition enhancement of oxidized and methyl-10-undecenoate functionalized porous silicon in gas phase photoluminescence sensing. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 406-410.	7.8	16
10	Porous silicon with $\beta$ -cyclodextrin modified surface for photoluminescence sensing of organic molecules in gas and liquid phase. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2007, 38, 200-204.	2.7	20
11	Validated HPLC-MS/MS method for determination of quetiapine in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 44, 498-505.	2.8	65
12	Chemical sensing by simultaneous measurement of photoluminescence intensity and photoluminescence decay time of porous silicon. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 2078-2082.	0.8	3
13	Host-guest interactions in gas phase chemical sensing of permethyl-6I-alkenoylamino-6I-deoxy- $\beta$ -cyclodextrin derivatized porous silicon. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 2083-2087.	0.8	3
14	Permethylated 6I-alkenoylamino-6I-deoxy $\beta$ -cyclodextrin derivatives as modifiers of photoluminescence sensor response of porous silicon. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 343-348.	1.6	3
15	Polypyrrole-functionalized porous silicon for gas sensing applications. <i>Materials Science and Engineering C</i> , 2006, 26, 1072-1076.	7.3	22
16	Validated HPLC-MS/MS method for simultaneous determination of simvastatin and simvastatin hydroxy acid in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 41, 517-526.	2.8	61
17	Validated HPLC-MS-MS method for simultaneous determination of atorvastatin and 2-hydroxyatorvastatin in human plasma- pharmacokinetic study. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 275-285.	3.7	67
18	Nanostructured Porous Silicon - Optical Properties, Surface Modification and Sensor Applications. <i>Chimia</i> , 2005, 59, 222-225.	0.6	4

#	ARTICLE	IF	CITATIONS
19	Validated HPLC-MS-MS method for determination of azithromycin in human plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 383, 210-217.	3.7	41
20	Photoluminescence from porous silicon impregnated with cobalt phthalocyanine. <i>Materials Science and Engineering C</i> , 2005, 25, 645-649.	7.3	15
21	Photoluminescence quenching of porous silicon in gas and liquid phases - the role of dielectric quenching and capillary condensation effects. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 3481-3485.	0.8	23
22	Mechanisms of photoluminescence sensor response of porous silicon for organic species in gas and liquid phases. <i>Sensors and Actuators B: Chemical</i> , 2004, 100, 246-249.	7.8	32
23	Improved dual photometric-contactless conductometric detector for capillary electrophoresis. <i>Analytica Chimica Acta</i> , 2004, 525, 17-21.	5.4	35
24	SEM and HRTEM study of porous silicon-relationship between fabrication, morphology and optical properties. <i>Applied Surface Science</i> , 2004, 238, 169-174.	6.1	59
25	Identification and Purity Control of Thioacridine Derivatives by Gas and Capillary Liquid Chromatography with Mass Spectrometric Detection. <i>Analytical Letters</i> , 2004, 37, 263-272.	1.8	3
26	Capillary zone electrophoretic assay of biologically active thioacridine derivatives. <i>Journal of Separation Science</i> , 2003, 26, 129-132.	2.5	5
27	Determination of 8-hydroxy-2'-deoxyguanosine in untreated urine by capillary electrophoresis with UV detection. <i>Journal of Chromatography A</i> , 2003, 985, 513-517.	3.7	38
28	Optical porous-silicon-based sensors with chemically modified surface for detection of organic vapors. , 2003, 5036, 51.		0
29	Î²-CYCLODEXTRIN-MODIFIED MONOLITHIC STATIONARY PHASES FOR CAPILLARY ELECTROCHROMATOGRAPHY AND NANO-HPLC CHIRAL ANALYSIS OF EPHEDRINE AND IBUPROFEN. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2002, 25, 2473-2484.	1.0	37
30	A chip-based capillary electrophoresis-contactless conductivity microsystem for fast measurements of low-explosive ionic components. <i>Analyst, The</i> , 2002, 127, 719-723.	3.5	96
31	Contactless Conductivity Detector for Microchip Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2002, 74, 1968-1971.	6.5	211
32	Chiral analysis of biogenicDL-amino acids derivatized by urethane - protected Î±-amino acidN-carboxyanhydride using capillary zone electrophoresis and micellar electrokinetic chromatography. <i>Electrophoresis</i> , 2002, 23, 2449-2456.	2.4	11
33	Determination of sensoric parameters of porous silicon in sensing of organic vapors. <i>Materials Science and Engineering C</i> , 2002, 19, 251-254.	7.3	47
34	Comparison of Association Constants of Cyclodextrins and Their tert-Butyl Derivatives With Halogenbenzoic Acids and Acridine Derivatives. <i>Molecules</i> , 2001, 6, 221-229.	3.8	8
35	DETERMINATION OF AMINO DERIVATIVES OF POLYCYCLIC AROMATIC HYDROCARBONS USING CAPILLARY ELECTROPHORESIS. <i>Analytical Letters</i> , 2001, 34, 1369-1375.	1.8	10
36	CHARACTERIZATION OF NEWLY SYNTHESIZED THIOACRIDINE DERIVATIVES, THEIR VOLTAMMETRIC BEHAVIOUR AND ELECTROPHORETIC DETERMINATION. <i>Analytical Letters</i> , 2001, 34, 1223-1232.	1.8	7

#	ARTICLE	IF	CITATIONS
37	Determination of cyclodextrins and their derivatives by capillary electrophoresis with indirect UV and conductivity detection. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 369, 666-669.	1.5	29
38	A Contactless Conductometric Detector with Easily Exchangeable Capillary for Capillary Electrophoresis. <i>Electroanalysis</i> , 2001, 13, 989-992.	2.9	63
39	Dual photometric-contactless conductometric detector for capillary electrophoresis. <i>Analytica Chimica Acta</i> , 2001, 433, 13-21.	5.4	74
40	Split-flow injector for capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2000, 883, 223-230.	3.7	10
41	Determination of cyclodextrin content using periodate oxidation by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2000, 891, 201-206.	3.7	20
42	Effect of AC voltage frequency on the sensitivity of conductometric detection in microseparation techniques. <i>Analytica Chimica Acta</i> , 1999, 390, 101-106.	5.4	3
43	Determination of thiodiglycolic acid in urine by capillary electrophoresis. <i>Journal of Chromatography A</i> , 1999, 847, 135-139.	3.7	16
44	Simple technique for joining of capillaries in capillary separation methods. <i>Journal of Chromatography A</i> , 1998, 802, 381-384.	3.7	3
45	Title is missing!. <i>Journal of Chemical Ecology</i> , 1998, 24, 673-683.	1.8	46
46	A conductometric detector for capillary separations. <i>Electroanalysis</i> , 1996, 8, 722-725.	2.9	22
47	Comparison of high-performance liquid chromatography and capillary electrophoresis for the determination of some bee venom components. <i>Journal of Chromatography A</i> , 1995, 700, 187-193.	3.7	40
48	Putative chemical signals from white-tailed deer ( <i>Odocoileus virginianus</i> ). Urinary and vaginal mucus volatiles excreted by females during breeding season. <i>Journal of Chemical Ecology</i> , 1995, 21, 869-879.	1.8	26
49	Chiral separation by analytical electromigration methods. <i>Journal of Chromatography A</i> , 1992, 609, 1-17.	3.7	102
50	Effects of salts on the stability of the cationic radical of phenothiazine derivatives. <i>Talanta</i> , 1991, 38, 1309-1313.	5.5	18
51	Selected applications of cyclodextrin selectors in capillary electrophoresis. <i>Journal of Chromatography A</i> , 1991, 559, 215-222.	3.7	145
52	Use of cyclodextrins in isotachopheresis. <i>Journal of Chromatography A</i> , 1991, 464, 139-147.	3.7	38
53	Influence of counter-ion inclusion complexation on the quality of cyclodextrin-supported separations in isotachopheresis. <i>Journal of Chromatography A</i> , 1991, 557, 215-226.	3.7	18
54	Concept of effective and non-effective inclusion complex formation in isotachopheresis. <i>Journal of Chromatography A</i> , 1989, 470, 113-121.	3.7	16

#	ARTICLE	IF	CITATIONS
55	Isotachophoretic determination of sulbactam in rat serum. Biomedical Applications, 1989, 495, 338-342.	1.7	1
56	Use of cyclodextrins in isotachophoresis. Journal of Chromatography A, 1989, 472, 308-313.	3.7	24
57	Use of cyclodextrins in isotachophoresis. Journal of Chromatography A, 1988, 439, 386-392.	3.7	48
58	Use of cyclodextrins in isotachophoresis. Journal of Chromatography A, 1988, 438, 211-218.	3.7	139
59	Micellar, Inclusion and metal-complex enantioselective pseudophases in high-performance electromigration methods. Journal of Chromatography A, 1988, 452, 571-590.	3.7	115
60	Use of cyclodextrins in isotachophoresis. Journal of Chromatography A, 1988, 435, 496-500.	3.7	16
61	Use of cyclodextrins in isotachophoresis. Journal of Chromatography A, 1988, 450, 373-379.	3.7	25
62	Use of cyclodextrins in isotachophoresis. Journal of Chromatography A, 1987, 411, 153-159.	3.7	29
63	Use of cyclodextrins in isotachophoresis. Journal of Chromatography A, 1987, 405, 379-384.	3.7	28