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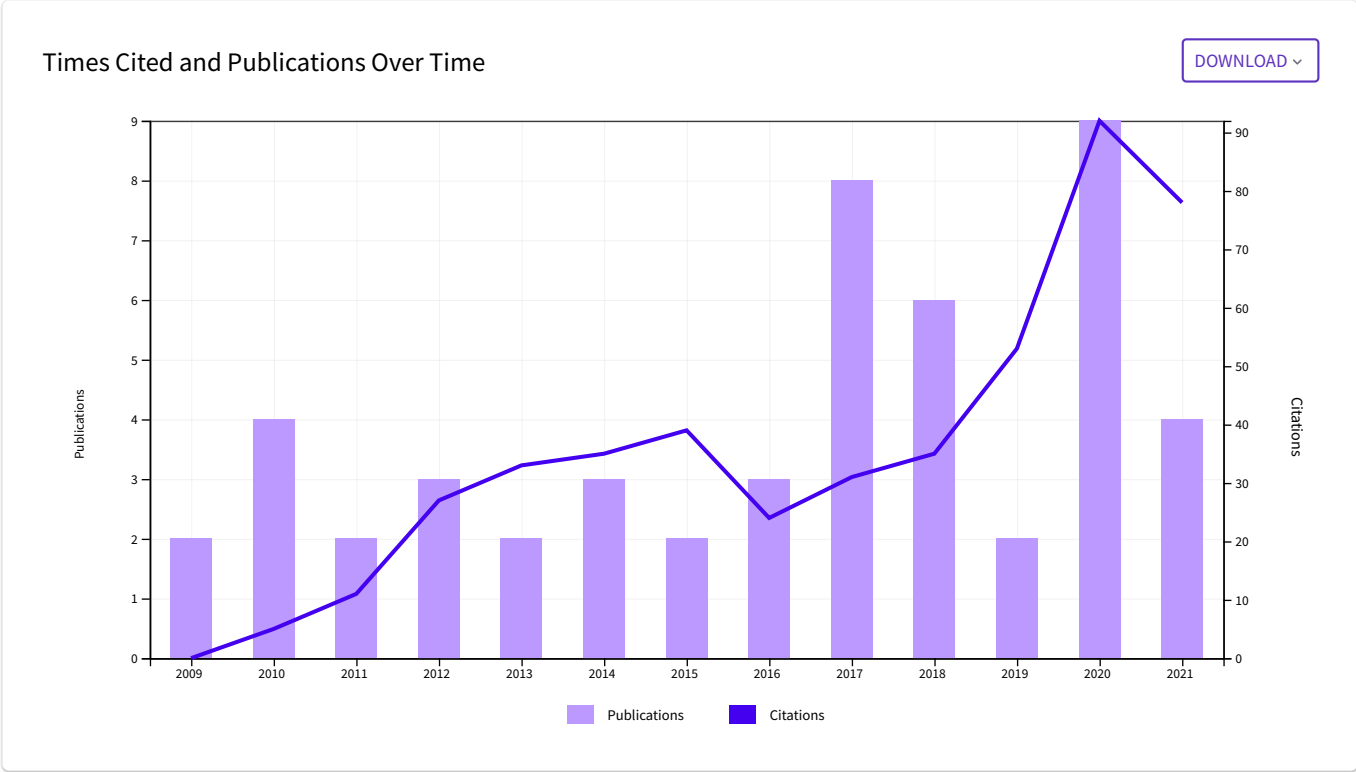
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431

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H-Index



50 Publications		Citations: highest first ▾		< 1 of 1 >		Citations						
						< Back Forward >					Average per year	Total
						2017	2018	2019	2020	2021		
Total						31	35	53	92	78	38.67	464
⊖ 1	Menthol-based hydrophobic deep eutectic solvents: Towards greener and efficient extraction of phytocannabinoids Krizek, T ; Bursova, M ; (...); Hlozek, T Aug 20 2018 JOURNAL OF CLEANER PRODUCTION 193 , pp.391-396					0	0	12	23	17	13	52
⊖ 2	Overcharging in Biological Systems: Reversal of Electrophoretic Mobility of Aqueous Polyaspartate by Multivalent Cations Kubickova, A ; Krizek, T ; (...); Jungwirth, P May 3 2012 PHYSICAL REVIEW LETTERS 108 (18)					6	3	1	6	1	4.5	29

3	Guanidinium Cations Pair with Positively Charged Arginine Side Chains in Water Kubickova, A; Krizek, T; (...); Jungwirth, P Jun 16 2011 JOURNAL OF PHYSICAL CHEMISTRY LETTERS 2 (12) , pp.1387-1389	4	1	6	3	2	3.73	41
4	Effect of Association with Sulfate on the Electrophoretic Mobility of Polyarginine and Polylysine Wernersson, E; Heyda, J; (...); Jungwirth, P Sep 16 2010 JOURNAL OF PHYSICAL CHEMISTRY B 114 (36) , pp.11934-11941	6	0	3	0	2	3.42	41
5	Monolithic columns based on a poly(styrene-divinylbenzene-methacrylic acid) copolymer for capillary liquid chromatography of small organic molecules Svobodova, A; Krizek, T; (...); Stulik, K Mar 18 2011 JOURNAL OF CHROMATOGRAPHY A 1218 (11) , pp.1544-1547	4	5	1	0	1	3.36	37
6	Separation of inorganic and small organic anions by CE using phosphonium-based mono- and dicationic reagents Krizek, T; Breitbach, ZS; (...); Coufal, P Nov 2009 ELECTROPHORESIS 30 (22) , pp.3955-3963	1	1	0	0	1	1.77	23
7	Binding of Divalent Cations to Insulin: Capillary Electrophoresis and Molecular Simulations Duboue-Dijon, E; Delcroix, P; (...); Jungwirth, P May 31 2018 JOURNAL OF PHYSICAL CHEMISTRY B 122 (21) , pp.5640-5648	0	3	6	11	2	5.5	22
8	Determination of nitrites and nitrates in drinking water using capillary electrophoresis Martinkova, E; Krizek, T and Coufal, P Aug 2014 CHEMICAL PAPERS 68 (8) , pp.1008-1014	2	3	1	8	5	2.75	22
9	Can Arginine Inhibit Insulin Aggregation? A Combined Protein Crystallography, Capillary Electrophoresis, and Molecular Simulation Study Brezina, K; Duboue-Dijon, E; (...); Jungwirth, P Nov 8 2018 JOURNAL OF PHYSICAL CHEMISTRY B 122 (44) , pp.10069-10076	0	0	2	9	6	4.25	17
10	Lipophosphonoxins II: Design, Synthesis, and Properties of Novel Broad Spectrum Antibacterial Agents Seydlova, G; Pohl, R; (...); Rejman, D Jul 27 2017 JOURNAL OF MEDICINAL CHEMISTRY 60 (14) , pp.6098-6118	0	2	4	4	6	3.2	16
11	Offline and online capillary electrophoresis enzyme assays of beta-N-acetylhexosaminidase Krizek, T; Doubnerova, V; (...); Bosakova, Z Mar 2013 ANALYTICAL AND BIOANALYTICAL CHEMISTRY 405 (8) , pp.2425-2434	2	2	0	2	0	1.56	14
12	Microscale separation methods for enzyme kinetics assays Krizek, T and Kubickova, A Jun 2012 ANALYTICAL AND BIOANALYTICAL CHEMISTRY 403 (8) , pp.2185-2195	1	1	1	1	1	1.4	14
13	Quantification of paracetamol and 5-oxoproline in serum by capillary electrophoresis: Implication for clinical toxicology Hlozek, T; Krizek, T; (...); Cabala, R Oct 25 2017 JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS 145 , pp.616-620	0	2	3	6	2	2.6	13
14	Characterization of polyaniline-coated stationary phases by using the linear solvation energy relationship in the hydrophilic interaction liquid chromatography mode using capillary liquid chromatography Taraba, L; Krizek, T; (...); Coufal, P Feb 2017 JOURNAL OF SEPARATION SCIENCE 40 (3) , pp.677-687	2	2	3	3	2	2.4	12
15	Counterion condensation in short cationic peptides: Limiting mobilities beyond the Onsager-Fuoss theory Wernersson, E; Heyda, J; (...); Jungwirth, P Mar 2012 ELECTROPHORESIS 33 (6) , pp.981-989	1	1	0	1	1	1.2	12
16	Design of experiments for amino acid extraction from tobacco leaves and their subsequent determination by capillary zone electrophoresis Hodek, O; Krizek, T; (...); Byslava, H Mar 2017 ANALYTICAL AND BIOANALYTICAL CHEMISTRY 409 (9) , pp.2383-2391	0	3	2	2	3	2	29

17	Differentiation among various kinds of cheese by identification of casein using HPLC-chip/MS/MS Franc, M; Krizek, T; (...); Stulik, K Aug 2010 JOURNAL OF SEPARATION SCIENCE 33 (16) , pp.2515-2519	0	1	2	0	0	0.75	9
18	Pluronic F-127 as the buffer additive in capillary entangled polymer electrophoresis: Some fundamental aspects Krizek, T; Coufal, P; (...); Bosakova, Z Aug 2010 JOURNAL OF SEPARATION SCIENCE 33 (16) , pp.2458-2464	0	0	0	1	2	0.67	8
19	Electrophoretic mobilities of neutral analytes and electroosmotic flow markers in aqueous solutions of Hofmeister salts Krizek, T; Kubickova, A; (...); Jungwirth, P Mar 2014 ELECTROPHORESIS 35 (5) , pp.617-624	1	0	0	0	3	0.88	7
20	Protonation of polyaniline-coated silica stationary phase affects the retention behavior of neutral hydrophobic solutes in reversed-phase capillary liquid chromatography Taraba, L; Krizek, T; (...); Coufal, P Jul 2018 JOURNAL OF SEPARATION SCIENCE 41 (14)	0	1	2	3	0	1.5	6
21	Online screening of alpha-amylase inhibitors by capillary electrophoresis Hodek, O; Krizek, T; (...); Ryslava, H Jul 2018 ANALYTICAL AND BIOANALYTICAL CHEMISTRY 410 (17) , pp.4213-4218	0	0	1	4	0	1.25	5
22	Purification and enzymatic characterization of tobacco leaf beta-N-acetylhexosaminidase Ryslava, H; Valenta, R; (...); Coufal, P Dec 2014 BIOCHIMIE 107 , pp.263-269	0	1	0	1	2	0.5	4
23	Preclinical evaluation of new formulation concepts for abiraterone acetate bioavailability enhancement based on the inhibition of pH-induced precipitation Boleslavská, T; Svetlik, S; (...); Stepanek, F Jun 2020 EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS 151 , pp.81-90	0	0	0	2	1	1.5	3
24	Interaction of heparin and tetraarginine in capillary electrophoresis: Implication for analytical applications Krizek, T; Molnarova, K; (...); Martinkova, E Nov 2020 Apr 2020 (Early Access) ELECTROPHORESIS 41 (21-22) , pp.1826-1831	0	0	0	0	3	1.5	3
25	Determination of short-chain fatty acids in feces by capillary electrophoresis with indirect UV-VIS detection Hodek, O and Krizek, T Sep 28 2019 ANALYTICAL METHODS 11 (36) , pp.4575-4579	0	0	0	0	3	1	3
26	Study of polyaniline-coated silica gel as a stationary phase in different modes of capillary liquid chromatography Taraba, L and Krizek, T 12th International Students Conference on Modern Analytical Chemistry Sep 2017 MONATSHFTE FÜR CHEMIE 148 (9) , pp.1605-1611	0	1	1	0	1	0.6	3
27	Determination of Protamine and Insulin Using Short-End Injection Capillary Electrophoresis Maly, M and Krizek, T Dec 2016 CHROMATOGRAPHIA 79 (23-24) , pp.1643-1648	0	1	0	1	1	0.5	3
28	Sample pretreatment for the capillary electrophoretic determination of organic acids in chromium(III) plating baths Taraba, L; Krizek, T; (...); Coufal, P Dec 2015 JOURNAL OF SEPARATION SCIENCE 38 (24) , pp.4255-4261	0	0	0	1	1	0.43	3
29	Novel Insights into the Effect of Pythium Strains on Rapeseed Metabolism Belonoznikova, K; Vaverova, K; (...); Ryslava, H Oct 2020 MICROORGANISMS 8 (10)	0	0	0	0	2	1	2
 Enriched Cited References		0	0	0	0	2	1	2

30	Bioavailability Enhancement and Food Effect Elimination of Abiraterone Acetate by Encapsulation in Surfactant-Enriched Oil Marbles Boleslavsky, T ; Bychecky, O ; (...); Stepanek, F Sep 25 2020 AAPS JOURNAL 22 (6)							
31	Chlorpyrifos-methyl oxon hydrolysis and its monitoring by HPLC-MS/MS Hodek, O ; Jans, U ; (...); Krizek, T Sep 2018 MONATSHFTE FUR CHEMIE 149 (9) , pp.1515-1519	0	0	1	0	1	0.5	2
32	Synthesis and supramolecular properties of regioisomers of mononaphthylallyl derivatives of gamma-cyclodextrin Blahova, M ; Filipov, SK ; (...); Jindrich, J Nov 27 2017 BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY 13 , pp.2509-2520	0	1	0	0	1	0.4	2
33	Preparation of a Carbon-Platinum-Polyaniline Support for Atomic Metal Deposition Gawron, EL ; Krizek, T ; (...); Janata, J 2015 JOURNAL OF THE ELECTROCHEMICAL SOCIETY 162 (7) , pp.H423-H427	1	0	0	0	1	0.29	2
34	Comparison of HPLC and CZE methods for analysis of DOTA-like esters - reaction intermediates in synthesis of magnetic resonance contrast agents Hamplova, A ; Krizek, T ; (...); Coufal, P Mar 2010 JOURNAL OF SEPARATION SCIENCE 33 (4-5) , pp.658-663	0	0	1	0	0	0.17	2
35	Physical Gels in Capillary Gel Electrophoresis and Their Application in Protein Analysis Krizek, T ; Coufal, P ; (...); Sobotnikova-Suchankova, J 2009 CHEMICKE LISTY 103 (2) , pp.130-135	0	0	0	0	0	0.15	2
36	Mobilization of electroosmotic flow markers in capillary zone electrophoresis Martinkova, E ; Krizek, T ; (...); Coufal, P Apr 2021 Feb 2021 (Early Access) ELECTROPHORESIS 42 (7-8) , pp.932-938  Enriched Cited References	0	0	0	0	1	1	1
37	Sucrose hydrolysis during the preparation of "dandelion honey" Krizek, T and Mullerova, R Aug 2020 Jun 2020 (Early Access) MONATSHFTE FUR CHEMIE 151 (8) , pp.1231-1234	0	0	0	0	1	0.5	1
38	Validity of cycloheximide chylomicron flow blocking method for the evaluation of lymphatic transport of drugs Rysanek, P ; Grus, T ; (...); Slanar, O Sep 2021 (Early Access) BRITISH JOURNAL OF PHARMACOLOGY  Enriched Cited References	0	0	0	0	0	0	0
39	Effect of background electrolyte anions on markers of electroosmotic flow in capillary electrophoresis Cokrtova, K ; Krizek, T ; (...); Coufal, P Sep 2021 Aug 2021 (Early Access) MONATSHFTE FUR CHEMIE 152 (9) , pp.1061-1065  Enriched Cited References	0	0	0	0	0	0	0
40	Comparison of static and dynamic mode in the electrochemical oxidation of fesoterodine with the use of experimental design approach Bartosinska, E ; Kozlik, P ; (...); Krizek, T May 2021 TALANTA 226	0	0	0	0	0	0	0
41	Glycan-specific precipitation of glycopeptides in high organic content sample solvents used in HILIC Kozlik, P ; Molnarova, K ; (...); Goldman, R Aug 1 2020 JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES 1150	0	0	0	0	0	0	0
		0	0	0	0	0	0	0



⊖ 42	Lidocaine adsorption to ethylene-vinyl acetate infusion bags decreases its availability in del Nido cardioplegia solution Krizek, T ; Kozlik, P ; (...); Nesmerak, K Aug 2020 May 2020 (Early Access) MONATSHFTE FUR CHEMIE 151 (8) , pp.1217-1223							
⊖ 43	Separation of liquid crystals using non-aqueous capillary electrokinetic chromatography Cokrtova, K and Krizek, T 16th Annual International Students Conference on Modern Analytical Chemistry 2020 PROCEEDINGS OF THE 16TH INTERNATIONAL STUDENTS CONFERENCE MODERN ANALYTICAL CHEMISTRY , pp.104-109	0	0	0	0	0	0	0
⊖ 44	Canagliflozin oxidation study using electrochemical flow cell and comparison with hydrogen peroxide oxidation Vymyslicky, F ; Krizek, T and Hert, J 16th Annual International Students Conference on Modern Analytical Chemistry 2020 PROCEEDINGS OF THE 16TH INTERNATIONAL STUDENTS CONFERENCE MODERN ANALYTICAL CHEMISTRY , pp.76-82	0	0	0	0	0	0	0
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