

# Svetlana M Krylova

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3971698/publications.pdf>

Version: 2024-02-01

25  
papers

776  
citations

759233

12  
h-index

580821

25  
g-index

30  
all docs

30  
docs citations

30  
times ranked

864  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Characterization of Partitioning in Selection of DNA Aptamers for Protein Targets by Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2022, 94, 2578-2588.	6.5	7
2	How to Develop and Prove High-Efficiency Selection of Ligands from Oligonucleotide Libraries: A Universal Framework for Aptamers and DNA-Encoded Small-Molecule Ligands. <i>Analytical Chemistry</i> , 2021, 93, 5343-5354.	6.5	9
3	Necessity and Challenges of Sample Preconcentration in Analysis of Multiple MicroRNAs by Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2020, 92, 14251-14258.	6.5	9
4	Spherical-Shape Assumption for Protein–Aptamer Complexes Facilitates Prediction of Their Electrophoretic Mobility. <i>Analytical Chemistry</i> , 2019, 91, 12680-12687.	6.5	10
5	Ideal-Filter Capillary Electrophoresis (IFCE) Facilitates the One-Step Selection of Aptamers. <i>Angewandte Chemie</i> , 2019, 131, 2765-2769.	2.0	10
6	Determination of the Equilibrium Constant and Rate Constant of Protein–Oligonucleotide Complex Dissociation under the Conditions of Ideal-Filter Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2019, 91, 8532-8539.	6.5	10
7	Ideal-filter capillary electrophoresis: A highly efficient partitioning method for selection of protein binders from oligonucleotide libraries. <i>Electrophoresis</i> , 2019, 40, 2553-2564.	2.4	9
8	Ideal-Filter Capillary Electrophoresis (IFCE) Facilitates the One-Step Selection of Aptamers. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2739-2743.	13.8	43
9	Aptamer facilitated purification of functional proteins. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1073, 201-206.	2.3	20
10	Direct Quantitative Analysis of Multiple microRNAs (DQAMmiR) with Peptide Nucleic Acid Hybridization Probes. <i>Analytical Chemistry</i> , 2018, 90, 14610-14615.	6.5	9
11	High-precision quantitation of a tuberculosis vaccine antigen with capillary-gel electrophoresis using an injection standard. <i>Talanta</i> , 2017, 175, 273-279.	5.5	4
12	Simultaneous Analysis of a Non-Lipidated Protein and Its Lipidated Counterpart: Enabling Quantitative Investigation of Protein Lipidation's Impact on Cellular Regulation. <i>Analytical Chemistry</i> , 2017, 89, 13502-13507.	6.5	6
13	Predicting Electrophoretic Mobility of Protein–Ligand Complexes for Ligands from DNA-Encoded Libraries of Small Molecules. <i>Analytical Chemistry</i> , 2016, 88, 5498-5506.	6.5	30
14	Unexpected Electrophoretic Behavior of Complexes between Rod-like Virions and Bivalent Antibodies. <i>Analytical Chemistry</i> , 2016, 88, 11908-11912.	6.5	0
15	Using Nonequilibrium Capillary Electrophoresis of Equilibrium Mixtures (NECEEM) for Simultaneous Determination of Concentration and Equilibrium Constant. <i>Analytical Chemistry</i> , 2015, 87, 3099-3106.	6.5	33
16	Prediction of Protein–DNA Complex Mobility in Gel-Free Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2015, 87, 2474-2479.	6.5	19
17	Emulsion PCR Significantly Improves Nonequilibrium Capillary Electrophoresis of Equilibrium Mixtures-Based Aptamer Selection: Allowing for Efficient and Rapid Selection of Aptamer to Unmodified ABH2 Protein. <i>Analytical Chemistry</i> , 2015, 87, 1411-1419.	6.5	64
18	Mechanistic Studies on the Application of DNA Aptamers as Inhibitors of 2-Oxoglutarate-Dependent Oxygenases. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 3546-3552.	6.4	13

#	ARTICLE	IF	CITATIONS
19	Slow-Dissociation and Slow-Recombination Assumptions in Nonequilibrium Capillary Electrophoresis of Equilibrium Mixtures. <i>Analytical Chemistry</i> , 2011, 83, 7582-7585.	6.5	14
20	DNA aptamers for as analytical tools for the quantitative analysis of DNA-dealkylating enzymes. <i>Analytical Biochemistry</i> , 2011, 414, 261-265.	2.4	26
21	Making DNA Hybridization Assays in Capillary Electrophoresis Quantitative. <i>Analytical Chemistry</i> , 2010, 82, 4428-4433.	6.5	8
22	Transverse diffusion of laminar flow profiles – a generic method for mixing reactants in capillary microreactor. <i>Journal of Separation Science</i> , 2009, 32, 742-756.	2.5	55
23	Nonequilibrium Capillary Electrophoresis of Equilibrium Mixtures: A Universal Tool for Development of Aptamers. <i>Journal of the American Chemical Society</i> , 2005, 127, 3165-3171.	13.7	275
24	Tau protein binds single-stranded DNA sequence specifically - the proof obtained in vitro with non-equilibrium capillary electrophoresis of equilibrium mixtures. <i>FEBS Letters</i> , 2005, 579, 1371-1375.	2.8	83
25	Monitoring viral DNA release with capillary electrophoresis. <i>Analyst, The</i> , 2004, 129, 1234.	3.5	6