

# Kathryn R Riley

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9519069/publications.pdf>

Version: 2024-02-01

18  
papers

668  
citations

933264

10  
h-index

1058333

14  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1256  
citing authors

#	ARTICLE	IF	CITATIONS
1	At-Home Laboratory Experiments for the Analytical Chemistry Curriculum. <i>Journal of Chemical Education</i> , 2022, 99, 1125-1131.	1.1	15
2	Single-Round DNA Aptamer Selection by Combined Use of Capillary Electrophoresis and Next Generation Sequencing: An Aptomics Approach for Identifying Unique Functional Protein-Binding DNA Aptamers. <i>Chemistry - A European Journal</i> , 2021, 27, 10058-10067.	1.7	4
3	The Primarily Undergraduate Nanomaterials Cooperative: A New Model for Supporting Collaborative Research at Small Institutions on a National Scale. <i>ACS Nanoscience Au</i> , 2021, 1, 6-14.	2.0	0
4	Bovine Serum Albumin Enhances Silver Nanoparticle Dissolution Kinetics in a Size- and Concentration-Dependent Manner. <i>Langmuir</i> , 2020, 36, 1053-1061.	1.6	31
5	Emerging investigator series: quantifying silver nanoparticle aggregation kinetics in real-time using particle impact voltammetry coupled with UV-vis spectroscopy. <i>Environmental Science: Nano</i> , 2020, 7, 2509-2521.	2.2	10
6	In Situ Quantification of Silver Nanoparticle Dissolution Kinetics in Simulated Sweat Using Linear Sweep Stripping Voltammetry. <i>Environmental Science &amp; Technology</i> , 2019, 53, 13117-13125.	4.6	18
7	High separation efficiency of gold nanomaterials of different aspect ratio and size using capillary transient isotachopheresis. <i>Journal of Chromatography A</i> , 2019, 1598, 216-222.	1.8	11
8	Short-chained oligo(ethylene oxide)-functionalized gold nanoparticles: realization of significant protein resistance. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 145-154.	1.9	18
9	Redox-active nanomaterials for nanomedicine applications. <i>Nanoscale</i> , 2017, 9, 15226-15251.	2.8	104
10	Antioxidant Cerium Oxide Nanoparticles in Biology and Medicine. <i>Antioxidants</i> , 2016, 5, 15.	2.2	324
11	Using capillary electrophoresis to characterize polymeric particles. <i>Journal of Chromatography A</i> , 2016, 1463, 169-175.	1.8	14
12	Selection of a Novel Aptamer Against Vitronectin Using Capillary Electrophoresis and Next Generation Sequencing. <i>Molecular Therapy - Nucleic Acids</i> , 2016, 5, e386.	2.3	31
13	Combining capillary electrophoresis and next-generation sequencing for aptamer selection. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1527-1532.	1.9	39
14	Going Beyond the "Whoa! That's Cool!" of Inquiry: Achieving Science Interest and Learning with the ICAN Intervention. <i>Advances in Motivation and Achievement: A Research Annual</i> , 2014, , 107-138.	0.3	10
15	Facilitating aptamer selection and collection by capillary transient isotachopheresis with laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , 2014, 1368, 183-189.	1.8	27
16	Interest, Cognition, and the Case of L- and Science. , 0, , 352-382.		6
17	Analytical Chemistry in Context. <i>ACS Symposium Series</i> , 0, , 83-105.	0.5	4
18	Hands-On Class Activities as a Way of Enhancing Breadth of Instrumental Methods. <i>ACS Symposium Series</i> , 0, , 147-159.	0.5	2