Kathryn R Riley

List of Publications by Year
in descending order

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

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18	668	933264 10	1058333 14
papers	citations	h-index	g-index

19	19	19	1256
all docs	docs citations	times ranked	citing authors

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