Kadi L Saar

List of Publications by Year
in descending order

28	838	686830 13	552369 26
papers	citations	h-index	g-index

37	37	37	992
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancing power density of biophotovoltaics by decoupling storage and power delivery. Nature Energy, 2018, 3, 75-81.	19.8	103
2	Learning the molecular grammar of protein condensates from sequence determinants and embeddings. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	96
3	Liquidâ€“liquid phase separation underpins the formation of replication factories in rotaviruses. EMBO Journal, 2021, 40, e107711.	3.5	65
4	Quaternization of Vinyl/Alkynyl Pyridine Enables Ultrafast Cysteineâ€Selective Protein Modification and Charge Modulation. Angewandte Chemie - International Edition, 2019, 58, 6640-6644.	7.2	55
5	Massively parallel C. elegans tracking provides multi-dimensional fingerprints for phenotypic discovery. Journal of Neuroscience Methods, 2018, 306, 57-67.	1.3	52
6	Surface Electrostatics Govern the Emulsion Stability of Biomolecular Condensates. Nano Letters, 2022, 22, 612-621.	4.5	49
7	Microfluidic devices fabricated using fast wafer-scale LED-lithography patterning. Biomicrofluidics, 2017, 11, 014113.	1.2	42
8	Real-Time Intrinsic Fluorescence Visualization and Sizing of Proteins and Protein Complexes in Microfluidic Devices. Analytical Chemistry, 2018, 90, 3849-3855.	3.2	42
9	On-chip label-free protein analysis with downstream electrodes for direct removal of electrolysis products. Lab on A Chip, 2018, 18, 162-170.	3.1	39
10	Fluctuations in the Kinetics of Linear Protein Self-Assembly. Physical Review Letters, 2016, 116, 258103.	2.9	32
11	Enhancing the Resolution of Micro Free Flow Electrophoresis through Spatially Controlled Sample Injection. Analytical Chemistry, 2018, 90, 8998-9005.	3.2	29
12	Microfluidic approaches for probing amyloid assembly and behaviour. Lab on A Chip, 2018, 18, 999-1016.	3.1	27
13	Gradient-free determination of isoelectric points of proteins on chip. Physical Chemistry Chemical Physics, 2017, 19, 23060-23067.	1.3	25
14	Rapid Structural, Kinetic, and Immunochemical Analysis of Alpha-Synuclein Oligomers in Solution. Nano Letters, 2020, 20, 8163-8169.	4.5	24
15	Combining Affinity Selection and Specific Ion Mobility for Microchip Protein Sensing. Analytical Chemistry, 2018, 90, 10302-10310.	3.2	16
16	Rapid two-dimensional characterisation of proteins in solution. Microsystems and Nanoengineering, 2019, 5, 33.	3.4	13
17	A microfluidic strategy for the detection of membrane protein interactions. Lab on A Chip, 2020, 20, 3230-3238.	3.1	13
18	On-chip measurements of protein unfolding from direct observations of micron-scale diffusion. Chemical Science, 2018, 9, 3503-3507.	3.7	11

#	Article	IF	Citations
19	Quaternization of Vinyl/Alkynyl Pyridine Enables Ultrafast Cysteineâ€Selective Protein Modification and Charge Modulation. Angewandte Chemie, 2019, 131, 6712-6716.	1.6	11
20	Label-Free Protein Analysis Using Liquid Chromatography with Gravimetric Detection. Analytical Chemistry, 2021, 93, 2848-2853.	3.2	10
21	Multidimensional protein characterisation using microfluidic post-column analysis. Lab on A Chip, 2020, 20, 2663-2673.	3.1	8
22	New Frontiers for Machine Learning in Protein Science. Journal of Molecular Biology, 2021, 433, 167232.	2.0	8
23	Deformable and Robust Coreâ€“Shell Protein Microcapsules Templated by Liquidâ€“Liquid Phaseâ€Separated Microdroplets. Advanced Materials Interfaces, 2021, 8, 2101071.	1.9	8
24	Micromechanics of soft materials using microfluidics. MRS Bulletin, 2022, 47, 119-126.	1.7	8
25	Analysis of Î±B-crystallin polydispersity in solution through native microfluidic electrophoresis. Analyst, The, 2019, 144, 4413-4424.	1.7	6
26	Machine learning-aided protein identification from multidimensional signatures. Lab on A Chip, 2021, 21, 2922-2931.	3.1	4
27	Rapid highly sensitive general protein quantification through on-chip chemiluminescence. Biomicrofluidics, 2021, 15, 024113.	1.2	1
28	Microchip Free-Flow Electrophoresis for Bioanalysis, Sensing, and Purification. Methods in Molecular Biology, 2022, 2394, 249-266.	0.4	1