

# Kadi L Saar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5232257/publications.pdf>

Version: 2024-02-01

28

papers

838

citations

687363

13

h-index

552781

26

g-index

37

all docs

37

docs citations

37

times ranked

992

citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing power density of biophotovoltaics by decoupling storage and power delivery. Nature Energy, 2018, 3, 75-81.	39.5	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, .	7.1	96
3	Liquidâ€“liquid phase separation underpins the formation of replication factories in rotaviruses. EMBO Journal, 2021, 40, e107711.	7.8	65
4	Quaternization of Vinyl/Alkynyl Pyridine Enables Ultrafast Cysteineâ€“Selective Protein Modification and Charge Modulation. Angewandte Chemie - International Edition, 2019, 58, 6640-6644.	13.8	55
5	Massively parallel C. elegans tracking provides multi-dimensional fingerprints for phenotypic discovery. Journal of Neuroscience Methods, 2018, 306, 57-67.	2.5	52
6	Surface Electrostatics Govern the Emulsion Stability of Biomolecular Condensates. Nano Letters, 2022, 22, 612-621.	9.1	49
7	Microfluidic devices fabricated using fast wafer-scale LED-lithography patterning. Biomicrofluidics, 2017, 11, 014113.	2.4	42
8	Real-Time Intrinsic Fluorescence Visualization and Sizing of Proteins and Protein Complexes in Microfluidic Devices. Analytical Chemistry, 2018, 90, 3849-3855.	6.5	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.	6.0	39
10	Fluctuations in the Kinetics of Linear Protein Self-Assembly. Physical Review Letters, 2016, 116, 258103.	7.8	32
11	Enhancing the Resolution of Micro Free Flow Electrophoresis through Spatially Controlled Sample Injection. Analytical Chemistry, 2018, 90, 8998-9005.	6.5	29
12	Microfluidic approaches for probing amyloid assembly and behaviour. Lab on A Chip, 2018, 18, 999-1016.	6.0	27
13	Gradient-free determination of isoelectric points of proteins on chip. Physical Chemistry Chemical Physics, 2017, 19, 23060-23067.	2.8	25
14	Rapid Structural, Kinetic, and Immunochemical Analysis of Alpha-Synuclein Oligomers in Solution. Nano Letters, 2020, 20, 8163-8169.	9.1	24
15	Combining Affinity Selection and Specific Ion Mobility for Microchip Protein Sensing. Analytical Chemistry, 2018, 90, 10302-10310.	6.5	16
16	Rapid two-dimensional characterisation of proteins in solution. Microsystems and Nanoengineering, 2019, 5, 33.	7.0	13
17	A microfluidic strategy for the detection of membrane protein interactions. Lab on A Chip, 2020, 20, 3230-3238.	6.0	13
18	On-chip measurements of protein unfolding from direct observations of micron-scale diffusion. Chemical Science, 2018, 9, 3503-3507.	7.4	11

#	ARTICLE	IF	CITATIONS
19	Quaternization of Vinyl/Alkynyl Pyridine Enables Ultrafast Cysteine-Selective Protein Modification and Charge Modulation. <i>Angewandte Chemie</i> , 2019, 131, 6712-6716.	2.0	11
20	Label-Free Protein Analysis Using Liquid Chromatography with Gravimetric Detection. <i>Analytical Chemistry</i> , 2021, 93, 2848-2853.	6.5	10
21	Multidimensional protein characterisation using microfluidic post-column analysis. <i>Lab on A Chip</i> , 2020, 20, 2663-2673.	6.0	8
22	New Frontiers for Machine Learning in Protein Science. <i>Journal of Molecular Biology</i> , 2021, 433, 167232.	4.2	8
23	Deformable and Robust Core-Shell Protein Microcapsules Templated by Liquid-Liquid Phase-Separated Microdroplets. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101071.	3.7	8
24	Micromechanics of soft materials using microfluidics. <i>MRS Bulletin</i> , 2022, 47, 119-126.	3.5	8
25	Analysis of Î±B-crystallin polydispersity in solution through native microfluidic electrophoresis. <i>Analyst</i> , 2019, 144, 4413-4424.	3.5	6
26	Machine learning-aided protein identification from multidimensional signatures. <i>Lab on A Chip</i> , 2021, 21, 2922-2931.	6.0	4
27	Rapid highly sensitive general protein quantification through on-chip chemiluminescence. <i>Biomicrofluidics</i> , 2021, 15, 024113.	2.4	1
28	Microchip Free-Flow Electrophoresis for Bioanalysis, Sensing, and Purification. <i>Methods in Molecular Biology</i> , 2022, 2394, 249-266.	0.9	1