Kadi L Saar

List of Publications by Citations

34 papers	425 citations	13 h-index	20 g-index
37 ext. papers	638 ext. citations	8.9 avg, IF	3.71 L-index

#	Paper	IF	Citations
34	Enhancing power density of biophotovoltaics by decoupling storage and power delivery. *Nature Energy*, **2018**, 3, 75-81	62.3	73
33	Massively parallel C. elegans tracking provides multi-dimensional fingerprints for phenotypic discovery. *Journal of Neuroscience Methods*, **2018**, 306, 57-67	3	35
32	Microfluidic devices fabricated using fast wafer-scale LED-lithography patterning. *Biomicrofluidics*, **2017**, 11, 014113	3.2	31
31	Real-Time Intrinsic Fluorescence Visualization and Sizing of Proteins and Protein Complexes in Microfluidic Devices. *Analytical Chemistry*, **2018**, 90, 3849-3855	7.8	29
30	Quaternization of Vinyl/Alkynyl Pyridine Enables Ultrafast Cysteine-Selective Protein Modification and Charge Modulation. *Angewandte Chemie - International Edition*, **2019**, 58, 6640-6644	16.4	28
29	On-chip label-free protein analysis with downstream electrodes for direct removal of electrolysis products. *Lab on A Chip*, **2017**, 18, 162-170	7.2	28
28	Fluctuations in the Kinetics of Linear Protein Self-Assembly. *Physical Review Letters*, **2016**, 116, 258103	7.4	24
27	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,	11.5	21
26	Gradient-free determination of isoelectric points of proteins on chip. *Physical Chemistry Chemical Physics*, **2017**, 19, 23060-23067	3.6	19
25	Liquid-liquid phase separation underpins the formation of replication factories in rotaviruses. *EMBO Journal*, **2021**, 40, e107711	13	17
24	Enhancing the Resolution of Micro Free Flow Electrophoresis through Spatially Controlled Sample Injection. *Analytical Chemistry*, **2018**, 90, 8998-9005	7.8	16
23	Microfluidic approaches for probing amyloid assembly and behaviour. *Lab on A Chip*, **2018**, 18, 999-1016	7.2	15
22	Combining Affinity Selection and Specific Ion Mobility for Microchip Protein Sensing. *Analytical Chemistry*, **2018**, 90, 10302-10310	7.8	14
21	Surface electrostatics govern the emulsion stability of biomolecular condensates		12
20	Quaternization of Vinyl/Alkynyl Pyridine Enables Ultrafast Cysteine-Selective Protein Modification and Charge Modulation. *Angewandte Chemie*, **2019**, 131, 6712-6716	3.6	7
19	Surface Electrostatics Govern the Emulsion Stability of Biomolecular Condensates.. *Nano Letters*, **2022**,	11.5	7
18	Rapid two-dimensional characterisation of proteins in solution. *Microsystems and Nanoengineering*, **2019**, 5, 33	7.7	6

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17	On-chip measurements of protein unfolding from direct observations of micron-scale diffusion. *Chemical Science*, **2018**, 9, 3503-3507	9.4	5
16	Rotavirus Replication Factories Are Complex Ribonucleoprotein Condensates		5
15	Rapid Structural, Kinetic, and Immunochemical Analysis of Alpha-Synuclein Oligomers in Solution. *Nano Letters*, **2020**, 20, 8163-8169	11.5	5
14	A microfluidic strategy for the detection of membrane protein interactions. *Lab on A Chip*, **2020**, 20, 3230-3238	7.2	5
13	Analysis of Β-crystallin polydispersity in solution through native microfluidic electrophoresis. *Analyst, The*, **2019**, 144, 4413-4424	5	3
12	Direct digital sensing of proteins in solution through single-molecule optofluidics		3
11	Label-Free Protein Analysis Using Liquid Chromatography with Gravimetric Detection. *Analytical Chemistry*, **2021**, 93, 2848-2853	7.8	3
10	Multidimensional protein characterisation using microfluidic post-column analysis. *Lab on A Chip*, **2020**, 20, 2663-2673	7.2	2
9	Rapid Fractionation and Characterisation of Alpha-Synuclein Oligomers in Solution		2
8	Machine learning models for predicting protein condensate formation from sequence determinants and embeddings		2
7	New Frontiers for Machine Learning in Protein Science. *Journal of Molecular Biology*, **2021**, 433, 167232	6.5	2
6	Micromechanics of soft materials using microfluidics. *MRS Bulletin*, **2022**, 47, 119	3.2	2
5	Machine learning aided top-down proteomics on a microfluidic platform		1
4	Rapid highly sensitive general protein quantification through on-chip chemiluminescence. *Biomicrofluidics*, **2021**, 15, 024113	3.2	1
3	Machine learning-aided protein identification from multidimensional signatures. *Lab on A Chip*, **2021**, 21, 2922-2931	7.2	1
2	Deformable and Robust Core‐Shell Protein Microcapsules Templated by Liquid‐Liquid Phase-Separated Microdroplets. *Advanced Materials Interfaces*, **2021**, 8, 2101071	4.6	1
1	Microchip Free-Flow Electrophoresis for Bioanalysis, Sensing, and Purification.. *Methods in Molecular Biology*, **2022**, 2394, 249-266	1.4	