

Kadi L Saar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Surface Electrostatics Govern the Emulsion Stability of Biomolecular Condensates.. <i>Nano Letters</i> , 2022 ,	11.5	7
33	Microchip Free-Flow Electrophoresis for Bioanalysis, Sensing, and Purification.. <i>Methods in Molecular Biology</i> , 2022 , 2394, 249-266	1.4	
32	Micromechanics of soft materials using microfluidics. <i>MRS Bulletin</i> , 2022 , 47, 119	3.2	2
31	Rapid highly sensitive general protein quantification through on-chip chemiluminescence. <i>Biomicrofluidics</i> , 2021 , 15, 024113	3.2	1
30	Learning the molecular grammar of protein condensates from sequence determinants and embeddings. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	21
29	Machine learning-aided protein identification from multidimensional signatures. <i>Lab on A Chip</i> , 2021 , 21, 2922-2931	7.2	1
28	Liquid-liquid phase separation underpins the formation of replication factories in rotaviruses. <i>EMBO Journal</i> , 2021 , 40, e107711	13	17
27	New Frontiers for Machine Learning in Protein Science. <i>Journal of Molecular Biology</i> , 2021 , 433, 167232	6.5	2
26	Deformable and Robust CoreShell Protein Microcapsules Templated by LiquidLiquid Phase-Separated Microdroplets. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2101071	4.6	1
25	Label-Free Protein Analysis Using Liquid Chromatography with Gravimetric Detection. <i>Analytical Chemistry</i> , 2021 , 93, 2848-2853	7.8	3
24	Multidimensional protein characterisation using microfluidic post-column analysis. <i>Lab on A Chip</i> , 2020 , 20, 2663-2673	7.2	2
23	Rapid Structural, Kinetic, and Immunochemical Analysis of Alpha-Synuclein Oligomers in Solution. <i>Nano Letters</i> , 2020 , 20, 8163-8169	11.5	5
22	A microfluidic strategy for the detection of membrane protein interactions. <i>Lab on A Chip</i> , 2020 , 20, 3230-3235	7.2	2
21	Analysis of B-crystallin polydispersity in solution through native microfluidic electrophoresis. <i>Analyst, The</i> , 2019 , 144, 4413-4424	5	3
20	Quaternization of Vinyl/Alkynyl Pyridine Enables Ultrafast Cysteine-Selective Protein Modification and Charge Modulation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6640-6644	16.4	28
19	Quaternization of Vinyl/Alkynyl Pyridine Enables Ultrafast Cysteine-Selective Protein Modification and Charge Modulation. <i>Angewandte Chemie</i> , 2019 , 131, 6712-6716	3.6	7
18	Rapid two-dimensional characterisation of proteins in solution. <i>Microsystems and Nanoengineering</i> , 2019 , 5, 33	7.7	6

17	Massively parallel <i>C. elegans</i> tracking provides multi-dimensional fingerprints for phenotypic discovery. <i>Journal of Neuroscience Methods</i> , 2018 , 306, 57-67	3	35
16	Real-Time Intrinsic Fluorescence Visualization and Sizing of Proteins and Protein Complexes in Microfluidic Devices. <i>Analytical Chemistry</i> , 2018 , 90, 3849-3855	7.8	29
15	On-chip measurements of protein unfolding from direct observations of micron-scale diffusion. <i>Chemical Science</i> , 2018 , 9, 3503-3507	9.4	5
14	Enhancing power density of biophotovoltaics by decoupling storage and power delivery. <i>Nature Energy</i> , 2018 , 3, 75-81	62.3	73
13	Microfluidic approaches for probing amyloid assembly and behaviour. <i>Lab on A Chip</i> , 2018 , 18, 999-1016	7.2	15
12	Combining Affinity Selection and Specific Ion Mobility for Microchip Protein Sensing. <i>Analytical Chemistry</i> , 2018 , 90, 10302-10310	7.8	14
11	Enhancing the Resolution of Micro Free Flow Electrophoresis through Spatially Controlled Sample Injection. <i>Analytical Chemistry</i> , 2018 , 90, 8998-9005	7.8	16
10	Microfluidic devices fabricated using fast wafer-scale LED-lithography patterning. <i>Biomicrofluidics</i> , 2017 , 11, 014113	3.2	31
9	Gradient-free determination of isoelectric points of proteins on chip. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 23060-23067	3.6	19
8	On-chip label-free protein analysis with downstream electrodes for direct removal of electrolysis products. <i>Lab on A Chip</i> , 2017 , 18, 162-170	7.2	28
7	Fluctuations in the Kinetics of Linear Protein Self-Assembly. <i>Physical Review Letters</i> , 2016 , 116, 258103	7.4	24
6	Direct digital sensing of proteins in solution through single-molecule optofluidics		3
5	Rapid Fractionation and Characterisation of Alpha-Synuclein Oligomers in Solution		2
4	Surface electrostatics govern the emulsion stability of biomolecular condensates		12
3	Machine learning models for predicting protein condensate formation from sequence determinants and embeddings		2
2	Machine learning aided top-down proteomics on a microfluidic platform		1
1	Rotavirus Replication Factories Are Complex Ribonucleoprotein Condensates		5