

# Jaeyeong Choi

## List of Publications by Year in descending order

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33  
papers

328  
citations

1040056

9  
h-index

888059

17  
g-index

33  
all docs

33  
docs citations

33  
times ranked

345  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteins and antibodies in serum, plasma, and whole blood size characterization using asymmetrical flow field-flow fractionation (AF4). <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4867-4873.	3.7	132
2	Study on aggregation behavior of low density lipoprotein in hen egg yolk plasma by asymmetrical flow field-flow fractionation coupled with multiple detectors. <i>Food Chemistry</i> , 2016, 192, 228-234.	8.2	18
3	$\text{I}^3$ -ray synthesis and size characterization of CdS quantum dot (QD) particles using flow and sedimentation field-flow fractionation (FFF). <i>Microchemical Journal</i> , 2014, 117, 34-39.	4.5	15
4	Bovine $\text{I}^2$ -casein has a polydisperse distribution of equilibrium micelles. <i>Food Hydrocolloids</i> , 2017, 70, 65-68.	10.7	15
5	Separation and zeta-potential determination of proteins and their oligomers using electrical asymmetrical flow field-flow fractionation (EAF4). <i>Journal of Chromatography A</i> , 2020, 1633, 461625.	3.7	15
6	Characterization of the molar mass distribution of macromolecules in beer for different mashing processes using asymmetric flow field-flow fractionation (AF4) coupled with multiple detectors. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4551-4558.	3.7	14
7	Fractionation and characterization of starch granules using field-flow fractionation (FFF) and differential scanning calorimetry (DSC). <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3665-3674.	3.7	14
8	Feasibility study for combination of field-flow fractionation (FFF)-based separation of size-coded particle probes with amplified surface enhanced Raman scattering (SERS) tagging for simultaneous detection of multiple miRNAs. <i>Journal of Chromatography A</i> , 2018, 1556, 97-102.	3.7	11
9	Comparison between conventional and frit-inlet channels in separation of biopolymers by asymmetric flow field-flow fractionation. <i>Analyst</i> , The, 2019, 144, 4559-4568.	3.5	11
10	Fluorescence-labelling for analysis of protein in starch using asymmetrical flow field-flow fractionation (AF4). <i>Analytical Science and Technology</i> , 2017, 30, 1-9.	0.3	9
11	Feasibility of asymmetrical flow field-flow fractionation as a method for detecting protective antigen by direct recognition of size-increased target-captured nanoprobe. <i>Journal of Chromatography A</i> , 2015, 1422, 239-246.	3.7	7
12	Asymmetrical flow field-flow fractionation coupled with multiple detections: A complementary approach in the characterization of egg yolk plasma. <i>Journal of Chromatography A</i> , 2016, 1465, 165-174.	3.7	7
13	Study on external factors affecting egg yolk plasma by asymmetrical flow field-flow fractionation. <i>Food Research International</i> , 2017, 94, 13-19.	6.2	7
14	Fractionation of Nanoparticle Matter in Red Wines Using Asymmetrical Flow Field-Flow Fractionation. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 14564-14576.	5.2	7
15	The Impact of Glycerol on an Affibody Conformation and Its Correlation to Chemical Degradation. <i>Pharmaceutics</i> , 2021, 13, 1853.	4.5	7
16	Study on oligomerization of glutamate decarboxylase from <i>Lactobacillus brevis</i> using asymmetrical flow field-flow fractionation (AF4) with light scattering techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 451-458.	3.7	6
17	Characterization of non-solvent precipitated starch using asymmetrical flow field-flow fractionation coupled with multiple detectors. <i>Carbohydrate Polymers</i> , 2019, 206, 21-28.	10.2	6
18	Study on the Dependence of Sun Protection Factor on Particle Size Distribution of Mica Using Gravitational Field-Flow Fractionation. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 66-72.	1.9	4

#	ARTICLE	IF	CITATIONS
19	Characterization of binding between model protein GA-Z and human serum albumin using asymmetrical flow field-flow fractionation and small angle X-ray scattering. PLoS ONE, 2020, 15, e0242605.	2.5	4
20	Characterization on the impact of different clarifiers on the white wine colloids using Asymmetrical Flow Field-Flow Fractionation. Food Chemistry, 2022, 381, 132123.	8.2	4
21	The shape effect on the retention behaviors of ellipsoidal particles in field-flow fractionation: Theoretical model derivation considering the steric-entropic mode. Journal of Chromatography A, 2019, 1587, 189-196.	3.7	3
22	Size Monitoring in the Synthesis of Silica Nanoparticles Using Asymmetrical Flow Field-Flow Fractionation (AF <sup>4</sup> FF). Bulletin of the Korean Chemical Society, 2016, 37, 335-343.	1.9	2
23	Modification of EDC method for increased labeling efficiency and characterization of low-content protein in gum acacia using asymmetrical flow field-flow fractionation coupled with multiple detectors. Analytical and Bioanalytical Chemistry, 2021, 413, 6313-6320.	3.7	2
24	Large scale splitter-less FFD-SPLITT fractionation: effect of flow rate and channel thickness on fractionation efficiency. Analytical Science and Technology, 2014, 27, 34-40.	0.3	2
25	Methodology of measurement of ionic strength based on field-flow fractionation. Journal of Chromatography A, 2021, 1658, 462591.	3.7	2
26	Effect of functional group on activity and stability of lipase immobilized on silica-coated magnetite nanoparticles with different functional group. Analytical Science and Technology, 2016, 29, 105-113.	0.3	2
27	Explicit role of ionic strength in retention behavior of polystyrene latex particles in sedimentation field-flow fractionation: Slip boundary model. Journal of Chromatography A, 2017, 1528, 75-82.	3.7	1
28	Optimization of fractionation efficiency (FE) and throughput (TP) in a large scale splitter less full-feed depletion SPLITT fractionation (Large scale FFD-SF). Analytical Science and Technology, 2015, 28, 453-459.	0.3	1
29	Characterization of CdS-quantum dot particles using sedimentation field-flow fractionation (SdFFF). Analytical Science and Technology, 2015, 28, 33-39.	0.3	0
30	Title is missing!. , 2020, 15, e0242605.		0
31	Title is missing!. , 2020, 15, e0242605.		0
32	Title is missing!. , 2020, 15, e0242605.		0
33	Title is missing!. , 2020, 15, e0242605.		0