

Bingchuan Wei

List of Publications by Year in descending order

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24
papers

566
citations

687363

13
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610901

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25
all docs

25
docs citations

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times ranked

584
citing authors

#	ARTICLE	IF	CITATIONS
1	Slip Flow in Colloidal Crystals for Ultraefficient Chromatography. <i>Journal of the American Chemical Society</i> , 2012, 134, 10780-10782.	13.7	79
2	Glycation of antibodies: Modification, methods and potential effects on biological functions. <i>MAbs</i> , 2017, 9, 586-594.	5.2	75
3	Submicrometer Plate Heights for Capillaries Packed with Silica Colloidal Crystals. <i>Analytical Chemistry</i> , 2010, 82, 2175-2177.	6.5	48
4	Submicrometer Particles and Slip Flow in Liquid Chromatography. <i>Analytical Chemistry</i> , 2015, 87, 2520-2526.	6.5	43
5	Efficient Separations of Intact Proteins Using Slip-Flow with Nano-Liquid Chromatographyâ€“Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 1592-1598.	6.5	42
6	Plate Heights below 50 nm for Protein Electrochromatography Using Silica Colloidal Crystals. <i>Analytical Chemistry</i> , 2010, 82, 10216-10221.	6.5	41
7	Native Hydrophobic Interaction Chromatography Hyphenated to Mass Spectrometry for Characterization of Monoclonal Antibody Minor Variants. <i>Analytical Chemistry</i> , 2019, 91, 15360-15364.	6.5	36
8	Fc galactosylation follows consecutive reaction kinetics and enhances immunoglobulin G hexamerization for complement activation. <i>MAbs</i> , 2021, 13, 1893427.	5.2	36
9	From proof of concept to the routine use of an automated and robust multi-dimensional liquid chromatography mass spectrometry workflow applied for the charge variant characterization of therapeutic antibodies. <i>Journal of Chromatography A</i> , 2020, 1615, 460740.	3.7	34
10	Insights from theory and experiments on slip flow in chromatography. <i>Journal of Separation Science</i> , 2013, 36, 1871-1876.	2.5	22
11	New Generation of Ensemble-Decision Aliquot Ranking Based on Simplified Microfluidic Components for Large-Capacity Trapping of Circulating Tumor Cells. <i>Analytical Chemistry</i> , 2013, 85, 9671-9677.	6.5	22
12	Multi-attribute Raman spectroscopy (MARS) for monitoring product quality attributes in formulated monoclonal antibody therapeutics. <i>MAbs</i> , 2022, 14, 2007564.	5.2	15
13	Reversed-phase chromatography with large pore superficially porous particles for high throughput immunoglobulin G 2 disulfide isoform separation. <i>Journal of Chromatography A</i> , 2017, 1526, 104-111.	3.7	13
14	Development of an ion pairing reversed-phase liquid chromatography-mass spectrometry method for characterization of clustered regularly interspaced short palindromic repeats guide ribonucleic acid. <i>Journal of Chromatography A</i> , 2022, 1665, 462839.	3.7	12
15	Imaging multiple biomarkers in captured rare cells by sequential immunostaining and photobleaching. <i>Methods</i> , 2013, 64, 108-113.	3.8	10
16	Characterization of bispecific and mispaired IgGs by native charge-variant mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2019, 446, 116229.	1.5	10
17	Data on charge separation of bispecific and mispaired IgGs using native charge-variant mass spectrometry. <i>Data in Brief</i> , 2020, 30, 105435.	1.0	9
18	Simultaneous and selective isolation of multiple subpopulations of rare cells from peripheral blood using ensemble-decision aliquot ranking (eDAR). <i>Lab on A Chip</i> , 2015, 15, 3391-3396.	6.0	7

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19	Predictive <i>In Vitro</i> Vitreous and Serum Models and Methods to Assess Thiol-Related Quality Attributes in Protein Therapeutics. <i>Analytical Chemistry</i> , 2020, 92, 6869-6876.	6.5	4
20	Ultra High Efficiency Protein Separations with Submicrometer Silica Using Slip Flow. <i>LC-GC North America</i> , 2012, 30, 890-897.	0.5	3
21	Development of a rapid reversed-phase liquid chromatographic method for total free thiol quantitation in protein therapeutics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 189, 113434.	2.8	2
22	Reply to Comment on "Submicrometer Plate Heights for Capillaries Packed with Silica Colloidal Crystals". <i>Analytical Chemistry</i> , 2011, 83, 459-459.	6.5	1
23	Protein-induced conformational change in glycans decreases the resolution of glycoproteins in hydrophilic interaction liquid chromatography. <i>Journal of Separation Science</i> , 2021, 44, 1581-1591.	2.5	1
24	An Approach to Bioactivity Assessment for Critical Quality Attribute Identification Based on Antibody-Antigen Complex Structure. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 1652-1660.	3.3	1