

Wendy N Sandoval

List of Publications by Year in descending order

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70
papers

5,666
citations

117625

34
h-index

91884

69
g-index

70
all docs

70
docs citations

70
times ranked

10709
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity to antitubulin chemotherapeutics is regulated by MCL1 and FBW7. <i>Nature</i> , 2011, 471, 110-114.	27.8	682
2	How many human proteoforms are there?. <i>Nature Chemical Biology</i> , 2018, 14, 206-214.	8.0	580
3	Mapping the NPHP-JBTS-MKS Protein Network Reveals Ciliopathy Disease Genes and Pathways. <i>Cell</i> , 2011, 145, 513-528.	28.9	531
4	NINJ1 mediates plasma membrane rupture during lytic cell death. <i>Nature</i> , 2021, 591, 131-136.	27.8	352
5	Phosphorylation and linear ubiquitin direct A20 inhibition of inflammation. <i>Nature</i> , 2015, 528, 370-375.	27.8	227
6	mTORC1-Dependent Metabolic Reprogramming Underlies Escape from Glycolysis Addiction in Cancer Cells. <i>Cancer Cell</i> , 2016, 29, 548-562.	16.8	185
7	Ubiquitin Ligase RNF146 Regulates Tankyrase and Axin to Promote Wnt Signaling. <i>PLoS ONE</i> , 2011, 6, e22595.	2.5	176
8	Structure of the BRAF-MEK Complex Reveals a Kinase Activity Independent Role for BRAF in MAPK Signaling. <i>Cancer Cell</i> , 2014, 26, 402-413.	16.8	173
9	Palmitoylation of TEAD Transcription Factors Is Required for Their Stability and Function in Hippo Pathway Signaling. <i>Structure</i> , 2016, 24, 179-186.	3.3	171
10	Global defects in collagen secretion in a <i>Mia3/TANGO1</i> knockout mouse. <i>Journal of Cell Biology</i> , 2011, 193, 935-951.	5.2	162
11	Microwave-assisted proteomics. <i>Mass Spectrometry Reviews</i> , 2007, 26, 657-671.	5.4	145
12	Inhibition of the dipeptidyl peptidase DPP4 (CD26) reveals IL-33-dependent eosinophil-mediated control of tumor growth. <i>Nature Immunology</i> , 2019, 20, 257-264.	14.5	144
13	Host cell protein testing by ELISAs and the use of orthogonal methods. <i>Biotechnology and Bioengineering</i> , 2014, 111, 2367-2379.	3.3	133
14	In vivo partial reprogramming alters age-associated molecular changes during physiological aging in mice. <i>Nature Aging</i> , 2022, 2, 243-253.	11.6	101
15	Conformational stabilization of ubiquitin yields potent and selective inhibitors of USP7. <i>Nature Chemical Biology</i> , 2013, 9, 51-58.	8.0	90
16	Tumor Elastography and Its Association with Collagen and the Tumor Microenvironment. <i>Clinical Cancer Research</i> , 2018, 24, 4455-4467.	7.0	88
17	Proline Starvation Induces Unresolved ER Stress and Hinders mTORC1-Dependent Tumorigenesis. <i>Cell Metabolism</i> , 2016, 24, 753-761.	16.2	85
18	Structural and Functional Analysis of HtrA1 and Its Subdomains. <i>Structure</i> , 2012, 20, 1040-1050.	3.3	83

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19	Charge variant native mass spectrometry benefits mass precision and dynamic range of monoclonal antibody intact mass analysis. <i>MAbs</i> , 2018, 10, 1214-1225.	5.2	78
20	Disruption of IRE1 β through its kinase domain attenuates multiple myeloma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16420-16429.	7.1	78
21	Expansion of the ISWI chromatin remodeler family with new active complexes. <i>EMBO Reports</i> , 2017, 18, 1697-1706.	4.5	68
22	Knobs-into-holes antibody production in mammalian cell lines reveals that asymmetric afucosylation is sufficient for full antibody-dependent cellular cytotoxicity. <i>MAbs</i> , 2013, 5, 872-881.	5.2	67
23	Interlaboratory Study for Characterizing Monoclonal Antibodies by Top-Down and Middle-Down Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1783-1802.	2.8	67
24	Efficient production of bispecific IgG of different isotypes and species of origin in single mammalian cells. <i>MAbs</i> , 2017, 9, 213-230.	5.2	60
25	Structure of the essential inner membrane lipopolysaccharide-PbgA complex. <i>Nature</i> , 2020, 584, 479-483.	27.8	58
26	Denisovan, modern human and mouse TNFAIP3 alleles tune A20 phosphorylation and immunity. <i>Nature Immunology</i> , 2019, 20, 1299-1310.	14.5	53
27	Rapid removal of N-linked oligosaccharides using microwave assisted enzyme catalyzed deglycosylation. <i>International Journal of Mass Spectrometry</i> , 2007, 259, 117-123.	1.5	52
28	The RIPK4-IRF6 signalling axis safeguards epidermal differentiation and barrier function. <i>Nature</i> , 2019, 574, 249-253.	27.8	51
29	Enhancing full-length antibody production by signal peptide engineering. <i>Microbial Cell Factories</i> , 2016, 15, 47.	4.0	46
30	Gremlin 1+ fibroblastic niche maintains dendritic cell homeostasis in lymphoid tissues. <i>Nature Immunology</i> , 2021, 22, 571-585.	14.5	44
31	Utilizing the activation mechanism of serine proteases to engineer hepatocyte growth factor into a Met antagonist. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5306-5311.	7.1	43
32	Production, characterization, and <i>in vivo</i> half-life extension of polymeric IgA molecules in mice. <i>MAbs</i> , 2019, 11, 1122-1138.	5.2	43
33	De Novo MS/MS Sequencing of Native Human Antibodies. <i>Journal of Proteome Research</i> , 2017, 16, 45-54.	3.7	41
34	Characterization of Chain Pairing Variants of Bispecific IgG Expressed in a Single Host Cell by High-Resolution Native and Denaturing Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 12122-12127.	6.5	39
35	Quantitative Determination of Protein-Ligand Affinity by Size Exclusion Chromatography Directly Coupled to High-Resolution Native Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 903-911.	6.5	39
36	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

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37	Fc galactosylation follows consecutive reaction kinetics and enhances immunoglobulin G hexamerization for complement activation. <i>MAbs</i> , 2021, 13, 1893427.	5.2	36
38	Reorienting the Fab Domains of Trastuzumab Results in Potent HER2 Activators. <i>PLoS ONE</i> , 2012, 7, e51817.	2.5	35
39	Precise quantification of mixtures of bispecific IgG produced in single host cells by liquid chromatography-Orbitrap high-resolution mass spectrometry. <i>MAbs</i> , 2016, 8, 1467-1476.	5.2	33
40	Preview: A Program for Surveying Shotgun Proteomics Tandem Mass Spectrometry Data. <i>Analytical Chemistry</i> , 2011, 83, 5259-5267.	6.5	32
41	Evolutionary Divergence in the Catalytic Activity of the CAM-1, ROR1 and ROR2 Kinase Domains. <i>PLoS ONE</i> , 2014, 9, e102695.	2.5	32
42	De novo proteomic sequencing of a monoclonal antibody raised against OX40 ligand. <i>Analytical Biochemistry</i> , 2006, 352, 77-86.	2.4	31
43	Applications of Microwave-Assisted Proteomics in Biotechnology. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2007, 10, 751-765.	1.1	31
44	Structural and Functional Characterization of a Hole-Hole Homodimer Variant in a Knob-Into-Hole Bispecific Antibody. <i>Analytical Chemistry</i> , 2017, 89, 13494-13501.	6.5	31
45	Identification of circulating neuropilin-1 and dose-dependent elevation following anti-neuropilin-1 antibody administration. <i>MAbs</i> , 2009, 1, 364-369.	5.2	30
46	Peptidoglycan Association of Murein Lipoprotein Is Required for KpsD-Dependent Group 2 Capsular Polysaccharide Expression and Serum Resistance in a Uropathogenic <i>Escherichia coli</i> Isolate. <i>MBio</i> , 2017, 8, .	4.1	27
47	Denaturing and Native Mass Spectrometric Analytics for Biotherapeutic Drug Discovery Research: Historical, Current, and Future Personal Perspectives. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1861-1885.	2.8	27
48	Comparison of platform host cell protein ELISA to process-specific host cell protein ELISA. <i>Biotechnology and Bioengineering</i> , 2018, 115, 382-389.	3.3	26
49	Therapeutic resistance and susceptibility is shaped by cooperative multi-compartment tumor adaptation. <i>Cell Death and Differentiation</i> , 2019, 26, 2416-2429.	11.2	25
50	Identification and characterization of an octameric PEG-protein conjugate system for intravitreal long-acting delivery to the back of the eye. <i>PLoS ONE</i> , 2019, 14, e0218613.	2.5	20
51	Recent developments in microwave-assisted protein chemistries can this be integrated into the drug discovery and validation process?. <i>Drug Discovery Today</i> , 2008, 13, 1075-1081.	6.4	19
52	Elucidating heavy/light chain pairing preferences to facilitate the assembly of bispecific IgG in single cells. <i>MAbs</i> , 2019, 11, 1254-1265.	5.2	19
53	Preparation and evaluation of L- and D-5-[¹⁸ F]fluorotryptophan as PET imaging probes for indoleamine and tryptophan 2,3-dioxygenases. <i>Nuclear Medicine and Biology</i> , 2017, 51, 10-17.	0.6	18
54	Development, Optimization, and Structural Characterization of an Efficient Peptide-Based Photoaffinity Cross-Linking Reaction for Generation of Homogeneous Conjugates from Wild-Type Antibodies. <i>Bioconjugate Chemistry</i> , 2019, 30, 148-160.	3.6	17

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55	Inhibition of Escherichia coli Lipoprotein Diacylglycerol Transferase Is Insensitive to Resistance Caused by Deletion of Braun TM s Lipoprotein. Journal of Bacteriology, 2021, 203, e0014921.	2.2	16
56	High-resolution glycosylation site-engineering method identifies MICA epitope critical for shedding inhibition activity of anti-MICA antibodies. MAbs, 2019, 11, 75-93.	5.2	11
57	Characterization of bispecific and mispaired IgGs by native charge-variant mass spectrometry. International Journal of Mass Spectrometry, 2019, 446, 116229.	1.5	10
58	Interaction of cell culture process parameters for modulating mAb afucosylation. Biotechnology and Bioengineering, 2019, 116, 831-845.	3.3	10
59	Data on charge separation of bispecific and mispaired IgGs using native charge-variant mass spectrometry. Data in Brief, 2020, 30, 105435.	1.0	9
60	Expression, purification, and characterization of recombinant human and murine milk fat globule-epidermal growth factor-factor 8. Protein Expression and Purification, 2016, 124, 10-22.	1.3	8
61	Rapid, semi-automated protein terminal characterization using ISDetect. Nature Biotechnology, 2016, 34, 811-813.	17.5	7
62	Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Analysis of Peptides. Current Protocols in Protein Science, 2014, 77, 16.2.1-16.2.11.	2.8	6
63	In Vivo Stability Profiles of Anti-factor D Molecules Support Long-Acting Delivery Approaches. Molecular Pharmaceutics, 2019, 16, 86-95.	4.6	6
64	Endothelial intercellular cell adhesion molecule 1 contributes to cell aggregate formation in CHO cells cultured in serum-free media. Biotechnology Progress, 2020, 36, e2951.	2.6	4
65	Serum Lysophosphatidic Acid Measurement by Liquid Chromatography-Mass Spectrometry in COPD Patients. Journal of the American Society for Mass Spectrometry, 2021, 32, 1987-1997.	2.8	4
66	The lysosomal endopeptidases Cathepsin D and L are selective and effective proteases for the middle-down characterization of antibodies. FEBS Journal, 2021, 288, 5389-5405.	4.7	4
67	Preventing pyruvate kinase muscle expression in Chinese hamster ovary cells curbs lactogenic behavior by altering glycolysis, gating pyruvate generation, and increasing pyruvate flux into the TCA cycle. Biotechnology Progress, 2021, 37, e3193.	2.6	4
68	UBR E3 ligases and the PDIA3 protease control degradation of unfolded antibody heavy chain by ERAD. Journal of Cell Biology, 2020, 219, .	5.2	4
69	Lysophosphatidic acid species are associated with exacerbation in chronic obstructive pulmonary disease. BMC Pulmonary Medicine, 2021, 21, 301.	2.0	3
70	Editorial: Special JASMS Focus on Mass Spectrometry in Industry. Journal of the American Society for Mass Spectrometry, 2021, 32, 1850-1851.	2.8	0