Wendy N Sandoval

List of Publications by Year
in descending order

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	In vivo partial reprogramming alters age-associated molecular changes during physiological aging in mice. Nature Aging, 2022, 2, 243-253.	11.6	101
2	NINJ1 mediates plasma membrane rupture during lytic cell death. Nature, 2021, 591, 131-136.	27.8	352
3	Fc galactosylation follows consecutive reaction kinetics and enhances immunoglobulin G hexamerization for complement activation. MAbs, 2021, 13, 1893427.	5.2	36
4	Serum Lysophosphatidic Acid Measurement by Liquid Chromatographyâ€“Mass Spectrometry in COPD Patients. Journal of the American Society for Mass Spectrometry, 2021, 32, 1987-1997.	2.8	4
5	The lysosomal endopeptidases Cathepsin D and L are selective and effective proteases for the middleâ€down characterization of antibodies. FEBS Journal, 2021, 288, 5389-5405.	4.7	4
6	Gremlin 1+ fibroblastic niche maintains dendritic cell homeostasis in lymphoid tissues. Nature Immunology, 2021, 22, 571-585.	14.5	44
7	Denaturing and Native Mass Spectrometric Analytics for Biotherapeutic Drug Discovery Research: Historical, Current, and Future Personal Perspectives. Journal of the American Society for Mass Spectrometry, 2021, 32, 1861-1885.	2.8	27
8	Inhibition of Escherichia coli Lipoprotein Diacylglyceryl Transferase Is Insensitive to Resistance Caused by Deletion of Braunâ€™s Lipoprotein. Journal of Bacteriology, 2021, 203, e0014921.	2.2	16
9	Preventing pyruvate kinase muscle expression in <scp>Chinese</scp> hamster ovary cells curbs lactogenic behavior by altering glycolysis, gating pyruvate generation, and increasing pyruvate flux into the <scp>TCA</scp> cycle. Biotechnology Progress, 2021, 37, e3193.	2.6	4
10	Editorial: Special JASMS Focus on Mass Spectrometry in Industry. Journal of the American Society for Mass Spectrometry, 2021, 32, 1850-1851.	2.8	0
11	Lysophosphatidic acid species are associated with exacerbation in chronic obstructive pulmonary disease. BMC Pulmonary Medicine, 2021, 21, 301.	2.0	3
12	Endothelial intercellular cell adhesion molecule 1 contributes to cell aggregate formation in CHO cells cultured in serumâ€free media. Biotechnology Progress, 2020, 36, e2951.	2.6	4
13	Structure of the essential inner membrane lipopolysaccharideâ€“PbgA complex. Nature, 2020, 584, 479-483.	27.8	58
14	Interlaboratory Study for Characterizing Monoclonal Antibodies by Top-Down and Middle-Down Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2020, 31, 1783-1802.	2.8	67
15	Data on charge separation of bispecific and mispaired IgGs using native charge-variant mass spectrometry. Data in Brief, 2020, 30, 105435.	1.0	9
16	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
17	Elucidating heavy/light chain pairing preferences to facilitate the assembly of bispecific IgG in single cells. MAbs, 2019, 11, 1254-1265.	5.2	19
18	Identification and characterization of an octameric PEG-protein conjugate system for intravitreal long-acting delivery to the back of the eye. PLoS ONE, 2019, 14, e0218613.	2.5	20

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19	The RIPK4â€“IRF6 signalling axis safeguards epidermal differentiation and barrier function. Nature, 2019, 574, 249-253.	27.8	51
20	Characterization of bispecific and mispaired IgGs by native charge-variant mass spectrometry. International Journal of Mass Spectrometry, 2019, 446, 116229.	1.5	10
21	Production, characterization, andin vivohalf-life extension of polymeric IgA molecules in mice. MAbs, 2019, 11, 1122-1138.	5.2	43
22	Therapeutic resistance and susceptibility is shaped by cooperative multi-compartment tumor adaptation. Cell Death and Differentiation, 2019, 26, 2416-2429.	11.2	25
23	Inhibition of the dipeptidyl peptidase DPP4 (CD26) reveals IL-33-dependent eosinophil-mediated control of tumor growth. Nature Immunology, 2019, 20, 257-264.	14.5	144
24	Disruption of IRE1Î± through its kinase domain attenuates multiple myeloma. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16420-16429.	7.1	78
25	Native Hydrophobic Interaction Chromatography Hyphenated to Mass Spectrometry for Characterization of Monoclonal Antibody Minor Variants. Analytical Chemistry, 2019, 91, 15360-15364.	6.5	36
26	Denisovan, modern human and mouse TNFAIP3 alleles tune A20 phosphorylation and immunity. Nature Immunology, 2019, 20, 1299-1310.	14.5	53
27	Interaction of cell culture process parameters for modulating mAb afucosylation. Biotechnology and Bioengineering, 2019, 116, 831-845.	3.3	10
28	Development, Optimization, and Structural Characterization of an Efficient Peptide-Based Photoaffinity Cross-Linking Reaction for Generation of Homogeneous Conjugates from Wild-Type Antibodies. Bioconjugate Chemistry, 2019, 30, 148-160.	3.6	17
29	Quantitative Determination of Proteinâ€“Ligand Affinity by Size Exclusion Chromatography Directly Coupled to High-Resolution Native Mass Spectrometry. Analytical Chemistry, 2019, 91, 903-911.	6.5	39
30	In Vivo Stability Profiles of Anti-factor D Molecules Support Long-Acting Delivery Approaches. Molecular Pharmaceutics, 2019, 16, 86-95.	4.6	6
31	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
32	How many human proteoforms are there?. Nature Chemical Biology, 2018, 14, 206-214.	8.0	580
33	Comparison of platform host cell protein ELISA to processâ€specific host cell protein ELISA. Biotechnology and Bioengineering, 2018, 115, 382-389.	3.3	26
34	Charge variant native mass spectrometry benefits mass precision and dynamic range of monoclonal antibody intact mass analysis. MAbs, 2018, 10, 1214-1225.	5.2	78
35	Tumor Elastography and Its Association with Collagen and the Tumor Microenvironment. Clinical Cancer Research, 2018, 24, 4455-4467.	7.0	88
36	Preparation and evaluation of L- and D-5-[18 F]fluorotryptophan as PET imaging probes for indoleamine and tryptophan 2,3-dioxygenases. Nuclear Medicine and Biology, 2017, 51, 10-17.	0.6	18

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37	Efficient production of bispecific IgG of different isotypes and species of origin in single mammalian cells. MAbs, 2017, 9, 213-230.	5.2	60
38	Expansion of the ISWI chromatin remodeler family with new active complexes. EMBO Reports, 2017, 18, 1697-1706.	4.5	68
39	Structural and Functional Characterization of a Holeâ€"Hole Homodimer Variant in a â€œKnob-Into-Holeâ€• Bispecific Antibody. Analytical Chemistry, 2017, 89, 13494-13501.	6.5	31
40	Peptidoglycan Association of Murein Lipoprotein Is Required for KpsD-Dependent Group 2 Capsular Polysaccharide Expression and Serum Resistance in a Uropathogenic Escherichia coli Isolate. MBio, 2017, 8, .	4.1	27
41	De Novo MS/MS Sequencing of Native Human Antibodies. Journal of Proteome Research, 2017, 16, 45-54.	3.7	41
42	Characterization of Chain Pairing Variants of Bispecific IgG Expressed in a Single Host Cell by High-Resolution Native and Denaturing Mass Spectrometry. Analytical Chemistry, 2016, 88, 12122-12127.	6.5	39
43	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
44	Proline Starvation Induces Unresolved ER Stress and Hinders mTORC1-Dependent Tumorigenesis. Cell Metabolism, 2016, 24, 753-761.	16.2	85
45	Precise quantification of mixtures of bispecific IgG produced in single host cells by liquid chromatography-Orbitrap high-resolution mass spectrometry. MAbs, 2016, 8, 1467-1476.	5.2	33
46	Rapid, semi-automated protein terminal characterization using ISDetect. Nature Biotechnology, 2016, 34, 811-813.	17.5	7
47	mTORC1-Dependent Metabolic Reprogramming Underlies Escape from Glycolysis Addiction in Cancer Cells. Cancer Cell, 2016, 29, 548-562.	16.8	185
48	Enhancing full-length antibody production by signal peptide engineering. Microbial Cell Factories, 2016, 15, 47.	4.0	46
49	Palmitoylation of TEAD Transcription Factors Is Required for Their Stability and Function in Hippo Pathway Signaling. Structure, 2016, 24, 179-186.	3.3	171
50	Phosphorylation and linear ubiquitin direct A20 inhibition of inflammation. Nature, 2015, 528, 370-375.	27.8	227
51	Host cell protein testing by ELISAs and the use of orthogonal methods. Biotechnology and Bioengineering, 2014, 111, 2367-2379.	3.3	133
52	Structure of the BRAF-MEK Complex Reveals a Kinase Activity Independent Role for BRAF in MAPK Signaling. Cancer Cell, 2014, 26, 402-413.	16.8	173
53	Matrixâ€Assisted Laser Desorption/Ionization Timeâ€ofâ€Flight Mass Analysis of Peptides. Current Protocols in Protein Science, 2014, 77, 16.2.1-16.2.11.	2.8	6
54	Evolutionary Divergence in the Catalytic Activity of the CAM-1, ROR1 and ROR2 Kinase Domains. PLoS ONE, 2014, 9, e102695.	2.5	32

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55	Conformational stabilization of ubiquitin yields potent and selective inhibitors of USP7. Nature Chemical Biology, 2013, 9, 51-58.	8.0	90
56	Knobs-into-holes antibody production in mammalian cell lines reveals that asymmetric afucosylation is sufficient for full antibody-dependent cellular cytotoxicity. MAbs, 2013, 5, 872-881.	5.2	67
57	Reorienting the Fab Domains of Trastuzumab Results in Potent HER2 Activators. PLoS ONE, 2012, 7, e51817.	2.5	35
58	Structural and Functional Analysis of HtrA1 and Its Subdomains. Structure, 2012, 20, 1040-1050.	3.3	83
59	Preview: A Program for Surveying Shotgun Proteomics Tandem Mass Spectrometry Data. Analytical Chemistry, 2011, 83, 5259-5267.	6.5	32
60	Mapping the NPHP-JBTS-MKS Protein Network Reveals Ciliopathy Disease Genes and Pathways. Cell, 2011, 145, 513-528.	28.9	531
61	Sensitivity to antitubulin chemotherapeutics is regulated by MCL1 and FBW7. Nature, 2011, 471, 110-114.	27.8	682
62	Ubiquitin Ligase RNF146 Regulates Tankyrase and Axin to Promote Wnt Signaling. PLoS ONE, 2011, 6, e22595.	2.5	176
63	Global defects in collagen secretion in a Mia3/TANGO1 knockout mouse. Journal of Cell Biology, 2011, 193, 935-951.	5.2	162
64	Identification of circulating neuropilin-1 and dose-dependent elevation following anti-neuropilin-1 antibody administration. MAbs, 2009, 1, 364-369.	5.2	30
65	Recent developments in microwave-assisted protein chemistries â€“ can this be integrated into the drug discovery and validation process?. Drug Discovery Today, 2008, 13, 1075-1081.	6.4	19
66	Applications of Microwave-Assisted Proteomics in Biotechnology. Combinatorial Chemistry and High Throughput Screening, 2007, 10, 751-765.	1.1	31
67	Utilizing the activation mechanism of serine proteases to engineer hepatocyte growth factor into a Met antagonist. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5306-5311.	7.1	43
68	Microwave-assisted proteomics. Mass Spectrometry Reviews, 2007, 26, 657-671.	5.4	145
69	Rapid removal of N-linked oligosaccharides using microwave assisted enzyme catalyzed deglycosylation. International Journal of Mass Spectrometry, 2007, 259, 117-123.	1.5	52
70	De novo proteomic sequencing of a monoclonal antibody raised against OX40 ligand. Analytical Biochemistry, 2006, 352, 77-86.	2.4	31