RenÃ£ A S Robinson

List of Publications by Year
in descending order

59 papers	1,227 citations	361413 20 h-index	395702 33 g-index
62 all docs	62 docs citations	62 times ranked	1909 citing authors

#	Article	IF	Citations
1	Redox Proteomics in Selected Neurodegenerative Disorders: From Its Infancy to Future Applications. Antioxidants and Redox Signaling, 2012, 17, 1610-1655.	5.4	152
2	Mass spectrometry and redox proteomics: Applications in disease. Mass Spectrometry Reviews, 2014, 33, 277-301.	5.4	98
3	Redox Proteomics Analysis of Brains from Subjects with Amnestic Mild Cognitive Impairment Compared to Brains from Subjects with Preclinical Alzheimer's Disease: Insights into Memory Loss in MCI. Journal of Alzheimer's Disease, 2011, 23, 257-269.	2.6	85
4	Brain expression of the vascular endothelial growth factor gene family in cognitive aging and alzheimerâ€™s disease. Molecular Psychiatry, 2021, 26, 888-896.	7.9	71
5	Sample Multiplexing Strategies in Quantitative Proteomics. Analytical Chemistry, 2019, 91, 178-189.	6.5	50
6	Enhanced Sample Multiplexing for Nitrotyrosine-Modified Proteins Using Combined Precursor Isotopic Labeling and Isobaric Tagging. Analytical Chemistry, 2012, 84, 4677-4686.	6.5	45
7	The role of proteomics in understanding biological mechanisms of sepsis. Proteomics - Clinical Applications, 2014, 8, 35-52.	1.6	40
8	Proteomic analysis of brain proteins in APP/PSâ€1 human double mutant knockâ€in mice with increasing amyloid Î²â€peptide deposition: Insights into the effects of in vivo treatment with Nâ€acetylcysteine as a potential therapeutic intervention in mild cognitive impairment and Alzheimer's disease. Proteomics, 2011, 11, 4243-4256.	2.2	39
9	Proteomics Reveals Age-Related Differences in the Host Immune Response to Sepsis. Journal of Proteome Research, 2014, 13, 422-432.	3.7	38
10	Global combined precursor isotopic labeling and isobaric tagging (cPILOT) approach with selective MS³ acquisition. Proteomics, 2013, 13, 3267-3272.	2.2	37
11	Proteomic identification of specifically carbonylated brain proteins in APPNLh/APPNLhÃ—PS-1P264L/PS-1P264L human double mutant knock-in mice model of Alzheimer disease as a function of age. Journal of Proteomics, 2011, 74, 2430-2440.	2.4	36
12	Increased N,N-Dimethyl Leucine Isobaric Tag Multiplexing by a Combined Precursor Isotopic Labeling and Isobaric Tagging Approach. Analytical Chemistry, 2018, 90, 10664-10669.	6.5	36
13	High-throughput endogenous measurement of S-nitrosylation in Alzheimer's disease using oxidized cysteine-selective cPILOT. Analyst, The, 2016, 141, 3904-3915.	3.5	29
14	Proteomic approaches to quantify cysteine reversible modifications in aging and neurodegenerative diseases. Proteomics - Clinical Applications, 2016, 10, 1159-1177.	1.6	28
15	Sample Multiplexing with Cysteine-Selective Approaches: cysDML and cPILOT. Journal of the American Society for Mass Spectrometry, 2015, 26, 615-630.	2.8	26
16	Global cPILOT analysis of the APP/PSâ€1 mouse liver proteome. Proteomics - Clinical Applications, 2015, 9, 872-884.	1.6	25
17	Multiplexing Biomarker Methods, Proteomics and Considerations for Alzheimerâ€™s Disease. Advances in Experimental Medicine and Biology, 2017, 974, 21-48.	1.6	25
18	Additions to the Human Plasma Proteome via a Tandem MARS Depletion iTRAQ-Based Workflow. International Journal of Proteomics, 2013, 2013, 1-8.	2.0	24

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19	APOE Îµ4-specific associations of VEGF gene family expression with cognitive aging and Alzheimer's disease. Neurobiology of Aging, 2020, 87, 18-25.	3.1	24
20	The roles of S-nitrosylation and S-glutathionylation in Alzheimer's disease. Methods in Enzymology, 2019, 626, 499-538.	1.0	23
21	Do Proteomics Analyses Provide Insights into Reduced Oxidative Stress in the Brain of an Alzheimer Disease Transgenic Mouse Model with an M631L Amyloid Precursor Protein Substitution and Thereby the Importance of Amyloid-Beta-Resident Methionine 35 in Alzheimer Disease Pathogenesis?. Antioxidants and Redox Signaling, 2012, 17, 1507-1514.	5.4	22
22	Evaluating a targeted multiple reaction monitoring approach to global untargeted lipidomic analyses of human plasma. Rapid Communications in Mass Spectrometry, 2020, 34, e8911.	1.5	20
23	Inclusion of African American/Black adults in a pilot brain proteomics study of Alzheimer's disease. Neurobiology of Disease, 2020, 146, 105129.	4.4	18
24	A diverse view of science to catalyse change. Nature Chemistry, 2020, 12, 773-776.	13.6	18
25	A simple isotopic labeling method to study cysteine oxidation in Alzheimerâ€™s disease: oxidized cysteine-selective dimethylation (OxcysDML). Analytical and Bioanalytical Chemistry, 2016, 408, 2993-3004.	3.7	16
26	Why Inclusion Matters for Alzheimerâ€™s Disease Biomarker Discovery in Plasma. Journal of Alzheimer's Disease, 2021, 79, 1327-1344.	2.6	16
27	Neuroproteomic study of nitrated proteins in moderate traumatic brain injured rats treated with gamma glutamyl cysteine ethyl ester administration post injury: Insight into the role of glutathione elevation in nitrosative stress. Proteomics - Clinical Applications, 2016, 10, 1218-1224.	1.6	15
28	Proteomic identification of virulence-related factors in young and aging C. elegans infected with Pseudomonas aeruginosa. Journal of Proteomics, 2018, 181, 92-103.	2.4	14
29	A Diverse View of Science to Catalyse Change. Journal of the American Chemical Society, 2020, 142, 14393-14396.	13.7	12
30	Evaluating Combined Precursor Isotopic Labeling and Isobaric Tagging Performance on Orbitraps To Study the Peripheral Proteome of Alzheimerâ€™s Disease. Analytical Chemistry, 2020, 92, 2911-2916.	6.5	11
31	ABCA7, a Genetic Risk Factor Associated with Alzheimerâ€™s Disease Risk in African Americans. Journal of Alzheimer's Disease, 2022, 86, 5-19.	2.6	11
32	The Potential of â€˜Omics to Link Lipid Metabolism and Genetic and Comorbidity Risk Factors of Alzheimerâ€™s Disease in African Americans. Advances in Experimental Medicine and Biology, 2019, 1118, 1-28.	1.6	10
33	In Vivo Fast Photochemical Oxidation of Proteins Using Enhanced Multiplexing Proteomics. Analytical Chemistry, 2020, 92, 7596-7603.	6.5	10
34	Effects of Fe(II)/H₂O₂ Oxidation on Ubiquitin Conformers Measured by Ion Mobility-Mass Spectrometry. Journal of Physical Chemistry B, 2013, 117, 164-173.	2.6	9
35	Quantitative proteomics to study aging in rabbit liver. Mechanisms of Ageing and Development, 2020, 187, 111227.	4.6	9
36	Enhanced Sample Multiplexing of Tissues Using Combined Precursor Isotopic Labeling and Isobaric Tagging (cPILOT). Journal of Visualized Experiments, 2017, , .	0.3	8

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37	Insights into aging through measurements of the Drosophila proteome as a function of temperature. Mechanisms of Ageing and Development, 2010, 131, 584-590.	4.6	7
38	A Diverse View of Science to Catalyse Change. Angewandte Chemie - International Edition, 2020, 59, 18306-18310.	13.8	7
39	Framework for creating storytelling materials to promote African American/Black adult enrollment in research on Alzheimer's disease and related disorders. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2020, 6, e12076.	3.7	7
40	Oxidative Stress in CD90+ T-cells of AÎ²PP/PS-1 Transgenic Mice. Journal of Alzheimer's Disease, 2013, 37, 661-666.	2.6	6
41	Benchmarking the proteomic profile of animal models of mesial temporal epilepsy. Annals of Clinical and Translational Neurology, 2022, 9, 454-467.	3.7	6
42	Exposing the Brain Proteomic Signatures of Alzheimerâ€™s Disease in Diverse Racial Groups: Leveraging Multiple Data Sets and Machine Learning. Journal of Proteome Research, 2022, 21, 1095-1104.	3.7	6
43	Global Effects of Adriamycin Treatment on Mouse Splenic Protein Levels. Journal of Proteome Research, 2012, 11, 1054-1064.	3.7	5
44	Targeted Lipidomics To Measure Phospholipids and Sphingomyelins in Plasma: A Pilot Study To Understand the Impact of Race/Ethnicity in Alzheimerâ€™s Disease. Analytical Chemistry, 2022, 94, 4165-4174.	6.5	5
45	Proteome characterization of splenocytes from an <scp>A</scp>Î²<scp>pp/psâ€</scp>1 Alzheimer's disease model. Proteomics, 2014, 14, 291-297.	2.2	4
46	A diverse view of science to catalyse change. Chemical Science, 2020, 11, 9043-9047.	7.4	4
47	Dataset of quantitative proteomic analysis to understand aging processes in rabbit liver. Data in Brief, 2020, 31, 105701.	1.0	4
48	MS³â€based quantitative proteomics using pulsedâ€Q dissociation. Rapid Communications in Mass Spectrometry, 2015, 29, 1025-1030.	1.5	3
49	Human brain proteome in health and disease. Proteomics - Clinical Applications, 2016, 10, 1147-1147.	1.6	3
50	A Diverse View of Science to Catalyse Change. Angewandte Chemie, 2020, 132, 18462-18466.	2.0	2
51	A diverse view of science to catalyse change. Croatica Chemica Acta, 2020, 93, 77-81.	0.4	2
52	A diverse view of science to catalyse change: valuing diversity leads to scientific excellence, the progress of science and, most importantly, it is simply the right thing to do. We must value diversity not only in words, but also in actions. Canadian Journal of Chemistry, 2020, 98, 597-600.	1.1	2
53	Proteomics quantification of protein nitration. Reviews in Analytical Chemistry, 2013, 32, .	3.2	1
54	Multiple Proteases to Localize Oxidation Sites. PLoS ONE, 2015, 10, e0116606.	2.5	1

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55	Dataset of why inclusion matters for Alzheimer's disease biomarker discovery in plasma. Data in Brief, 2021, 35, 106923.	1.0	1
56	Automated Sample Multiplexing by using Combined Precursor Isotopic Labeling and Isobaric Tagging (cPILOT). Journal of Visualized Experiments, 2020, , .	0.3	1
57	P4â€047: CHARACTERIZING ALTERED LIPID METABOLISM IN HEALTH DISPARITIES OF ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P1451.	0.8	0
58	Single nucleus and bulk homogenate RNAâ€sequencing comparison of vascular endothelial growth factor family associations with Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, e046170.	0.8	0
59	Mentoring in Life and Science. ACS Symposium Series, 0, , 103-116.	0.5	0