Daniel C Liebler

List of Publications by Year in Descending Order

251 papers	21,841 citations	73 h-index	143 g-index
262 ext. papers	25,388 ext. citations	6.5 avg, IF	6.65 L-index

#	Paper	IF	Citations
251	Safety Assessment of Ethers and Esters of Ascorbic Acid as Used in Cosmetics.. *International Journal of Toxicology*, **2022**, 10915818221093545	2.4	
250	Analysis of Immune Checkpoint Drug Targets and Tumor Proteotypes in Non-Small Cell Lung Cancer. *Scientific Reports*, **2020**, 10, 9805	4.9	7
249	Accelerated instability testing reveals quantitative mass spectrometry overcomes specimen storage limitations associated with PD-L1 immunohistochemistry. *Laboratory Investigation*, **2020**, 100, 874-886	5.9	10
248	Clustering a Chemical Inventory for Safety Assessment of Fragrance Ingredients: Identifying Read-Across Analogs to Address Data Gaps. *Chemical Research in Toxicology*, **2020**, 33, 1709-1718	4	36
247	Safety Assessment of PEGylated Alkyl Glycerides as Used in Cosmetics. *International Journal of Toxicology*, **2020**, 39, 26S-58S	2.4	4
246	Proteogenomic Landscape of Breast Cancer Tumorigenesis and Targeted Therapy. *Cell*, **2020**, 183, 1436-1456.e31	56.2	371
245	Integrated Proteomic and Glycoproteomic Characterization of Human High-Grade Serous Ovarian Carcinoma. *Cell Reports*, **2020**, 33, 108276	10.6	33
244	Proteogenomic Analysis of Human Colon Cancer Reveals New Therapeutic Opportunities. *Cell*, **2019**, 177, 1035-1049.e19	56.2	237
243	Reassessment of Exosome Composition. *Cell*, **2019**, 177, 428-445.e18	56.2	949
242	Safety Assessment of (Oat)-Derived Ingredients As Used in Cosmetics. *International Journal of Toxicology*, **2019**, 38, 23S-47S	2.4	2
241	Detection of Proteome Diversity Resulted from Alternative Splicing is Limited by Trypsin Cleavage Specificity. *Molecular and Cellular Proteomics*, **2018**, 17, 422-430	7.6	44
240	Safety Assessment of Rosmarinus officinalis (Rosemary)-Derived Ingredients as Used in Cosmetics. *International Journal of Toxicology*, **2018**, 37, 12S-50S	2.4	9
239	Proteogenomic Analysis of Surgically Resected Lung Adenocarcinoma. *Journal of Thoracic Oncology* , **2018**, 13, 1519-1529	8.9	8
238	Safety Assessment of Tocopherols and Tocotrienols as Used in Cosmetics. *International Journal of Toxicology*, **2018**, 37, 61S-94S	2.4	11
237	Neuronal Preconditioning Requires the Mitophagic Activity of C-terminus of HSC70-Interacting Protein. *Journal of Neuroscience*, **2018**, 38, 6825-6840	6.6	22
236	Colorectal Cancer Cell Line Proteomes Are Representative of Primary Tumors and Predict Drug Sensitivity. *Gastroenterology*, **2017**, 153, 1082-1095	13.3	40
235	Quantitative Mass Spectrometry Analysis of PD-L1 Protein Expression, -glycosylation and Expression Stoichiometry with PD-1 and PD-L2 in Human Melanoma. *Molecular and Cellular Proteomics*, **2017**, 16, 1705-1717	7.6	36

234	Diverse Redoxome Reactivity Profiles of Carbon Nucleophiles. *Journal of the American Chemical Society*, **2017**, 139, 5588-5595	16.4	66
233	Safety Assessment of Diethanolamine and Its Salts as Used in Cosmetics. *International Journal of Toxicology*, **2017**, 36, 89S-110S	2.4	5
232	Systematic and Quantitative Assessment of Hydrogen Peroxide Reactivity With Cysteines Across Human Proteomes. *Molecular and Cellular Proteomics*, **2017**, 16, 1815-1828	7.6	47
231	Identification of Proteomic Features To Distinguish Benign Pulmonary Nodules from Lung Adenocarcinoma. *Journal of Proteome Research*, **2017**, 16, 3266-3276	5.6	18
230	Chemoproteomics Reveals Chemical Diversity and Dynamics of 4-Oxo-2-nonenal Modifications in Cells. *Molecular and Cellular Proteomics*, **2017**, 16, 1789-1800	7.6	21
229	Safety Assessment of Plant-Derived Fatty Acid Oils. *International Journal of Toxicology*, **2017**, 36, 51S-129S	2.4	17
228	Safety Assessment of Cross-Linked Alkyl Acrylates as Used in Cosmetics. *International Journal of Toxicology*, **2017**, 36, 59S-88S	2.4	1
227	Proteome Profiling Outperforms Transcriptome Profiling for Coexpression Based Gene Function Prediction. *Molecular and Cellular Proteomics*, **2017**, 16, 121-134	7.6	67
226	Specificity of Protein Covalent Modification by the Electrophilic Proteasome Inhibitor Carfilzomib in Human Cells. *Molecular and Cellular Proteomics*, **2016**, 15, 3233-3242	7.6	19
225	Dynamic Phosphorylation of Apoptosis Signal Regulating Kinase 1 (ASK1) in Response to Oxidative and Electrophilic Stress. *Chemical Research in Toxicology*, **2016**, 29, 2175-2183	4	8
224	Assembly Dynamics and Stoichiometry of the Apoptosis Signal-regulating Kinase (ASK) Signalosome in Response to Electrophile Stress. *Molecular and Cellular Proteomics*, **2016**, 15, 1947-61	7.6	23
223	Oncogenic KRAS and BRAF Drive Metabolic Reprogramming in Colorectal Cancer. *Molecular and Cellular Proteomics*, **2016**, 15, 2924-38	7.6	58
222	Efficient Microscale Basic Reverse Phase Peptide Fractionation for Global and Targeted Proteomics. *Journal of Proteome Research*, **2016**, 15, 2346-54	5.6	12
221	Integrated Proteogenomic Characterization of Human High-Grade Serous Ovarian Cancer. *Cell*, **2016**, 166, 755-765	56.2	544
220	An Analysis of the Sensitivity of Proteogenomic Mapping of Somatic Mutations and Novel Splicing Events in Cancer. *Molecular and Cellular Proteomics*, **2016**, 15, 1060-71	7.6	80
219	Quantitative Profiling of Protein Tyrosine Kinases in Human Cancer Cell Lines by Multiplexed Parallel Reaction Monitoring Assays. *Molecular and Cellular Proteomics*, **2016**, 15, 682-91	7.6	33
218	The Expanding Landscape of the Thiol Redox Proteome. *Molecular and Cellular Proteomics*, **2016**, 15, 1-11	7.6	141
217	proBAMsuite, a Bioinformatics Framework for Genome-Based Representation and Analysis of Proteomics Data. *Molecular and Cellular Proteomics*, **2016**, 15, 1164-75	7.6	20

216	Recommendations for the Generation, Quantification, Storage, and Handling of Peptides Used for Mass Spectrometry-Based Assays. *Clinical Chemistry*, **2016**, 62, 48-69	5.5	135
215	Reproducibility of Differential Proteomic Technologies in CPTAC Fractionated Xenografts. *Journal of Proteome Research*, **2016**, 15, 691-706	5.6	35
214	The airway epithelium undergoes metabolic reprogramming in individuals at high risk for lung cancer. *JCI Insight*, **2016**, 1, e88814	9.9	19
213	Using the CPTAC Assay Portal to Identify and Implement Highly Characterized Targeted Proteomics Assays. *Methods in Molecular Biology*, **2016**, 1410, 223-36	1.4	25
212	Safety Assessment of Microbial Polysaccharide Gums as Used in Cosmetics. *International Journal of Toxicology*, **2016**, 35, 5S-49S	2.4	31
211	Safety Assessment of Achillea millefolium as Used in Cosmetics. *International Journal of Toxicology*, **2016**, 35, 5S-15S	2.4	4
210	CHIP Is an Essential Determinant of Neuronal Mitochondrial Stress Signaling. *Antioxidants and Redox Signaling*, **2015**, 23, 535-49	8.4	18
209	Activating PIK3CA Mutations Induce an Epidermal Growth Factor Receptor (EGFR)/Extracellular Signal-regulated Kinase (ERK) Paracrine Signaling Axis in Basal-like Breast Cancer. *Molecular and Cellular Proteomics*, **2015**, 14, 1959-76	7.6	31
208	Large-Scale Interlaboratory Study to Develop, Analytically Validate and Apply Highly Multiplexed, Quantitative Peptide Assays to Measure Cancer-Relevant Proteins in Plasma. *Molecular and Cellular Proteomics*, **2015**, 14, 2357-74	7.6	135
207	Global, in situ, site-specific analysis of protein S-sulfenylation. *Nature Protocols*, **2015**, 10, 1022-37	18.8	101
206	Phosphotyrosine signaling analysis in human tumors is confounded by systemic ischemia-driven artifacts and intra-specimen heterogeneity. *Cancer Research*, **2015**, 75, 1495-503	10.1	35
205	Quantitative profiling of protein tyrosine kinases in human cancer cell lines by multiplexed parallel reaction monitoring assays. *Molecular and Cellular Proteomics*, **2015**, mcp.O115.051813	7.6	3
204	Safety Assessment of Ethanolamides as Used in Cosmetics. *International Journal of Toxicology*, **2015** , 34, 18S-34S	2.4	1
203	Safety Assessment of Galactomannans as Used in Cosmetics. *International Journal of Toxicology*, **2015**, 34, 35S-65S	2.4	10
202	Safety Assessment of Talc as Used in Cosmetics. *International Journal of Toxicology*, **2015**, 34, 66S-129S	2.4	28
201	Safety Assessment of Alkyl Esters as Used in Cosmetics. *International Journal of Toxicology*, **2015**, 34, 5S-69S	2.4	11
200	Safety Assessment of Panax spp Root-Derived Ingredients as Used in Cosmetics. *International Journal of Toxicology*, **2015**, 34, 5S-42S	2.4	5
199	Proteomic analysis of colon and rectal carcinoma using standard and customized databases. *Scientific Data*, **2015**, 2, 150022	8.2	20

198	Safety Assessment of Dialkyl Malates as Used in Cosmetics. *International Journal of Toxicology*, **2015**, 34, 5S-17S	2.4	
197	Phenotype-Driven Plasma Biobanking Strategies and Methods. *Journal of Personalized Medicine*, **2015**, 5, 140-52	3.6	11
196	Safety Assessment of Boron Nitride as Used in Cosmetics. *International Journal of Toxicology*, **2015**, 34, 53S-60S	2.4	16
195	Safety Assessment of Alkyl Ethylhexanoates as Used in Cosmetics. *International Journal of Toxicology*, **2015**, 34, 61S-73S	2.4	0
194	Safety Assessment of Synthetic Fluorphlogopite as Used in Cosmetics. *International Journal of Toxicology*, **2015**, 34, 43S-52S	2.4	3
193	Quantitative chemoproteomics for site-specific analysis of protein alkylation by 4-hydroxy-2-nonenal in cells. *Analytical Chemistry*, **2015**, 87, 2535-41	7.8	72
192	Safety assessment of animal- and plant-derived amino acids as used in cosmetics. *International Journal of Toxicology*, **2014**, 33, 5S-12S	2.4	6
191	Proteogenomic characterization of human colon and rectal cancer. *Nature*, **2014**, 513, 382-7	50.4	900
190	Ischemia in tumors induces early and sustained phosphorylation changes in stress kinase pathways but does not affect global protein levels. *Molecular and Cellular Proteomics*, **2014**, 13, 1690-704	7.6	239
189	Safety Assessment of Cucumis sativus (Cucumber)-Derived Ingredients as Used in Cosmetics. *International Journal of Toxicology*, **2014**, 33, 47S-64S	2.4	2
188	Safety assessment of Vitis vinifera (grape)-derived ingredients as used in cosmetics. *International Journal of Toxicology*, **2014**, 33, 48S-83S	2.4	28
187	Amended safety assessment of Hypericum perforatum-derived ingredients as used in cosmetics. *International Journal of Toxicology*, **2014**, 33, 5S-23S	2.4	6
186	Safety assessment of nylon as used in cosmetics. *International Journal of Toxicology*, **2014**, 33, 47S-60S	2.4	2
185	Alkylation damage by lipid electrophiles targets functional protein systems. *Molecular and Cellular Proteomics*, **2014**, 13, 849-59	7.6	67
184	Site-specific mapping and quantification of protein S-sulphenylation in cells. *Nature Communications*, **2014**, 5, 4776	17.4	173
183	CPTAC Assay Portal: a repository of targeted proteomic assays. *Nature Methods*, **2014**, 11, 703-4	21.6	113
182	Safety assessment of modified terephthalate polymers as used in cosmetics. *International Journal of Toxicology*, **2014**, 33, 36S-47S	2.4	3
181	Safety Assessment of PEGylated oils as used in cosmetics. *International Journal of Toxicology*, **2014**, 33, 13S-39S	2.4	6

180	Proteogenomic analysis reveals unanticipated adaptations of colorectal tumor cells to deficiencies in DNA mismatch repair. *Cancer Research*, **2014**, 74, 387-97	10.1	42
179	Safety assessment of 6-hydroxyindole as used in cosmetics. *International Journal of Toxicology*, **2014**, 33, 24S-35S	2.4	
178	Safety assessment of Tin(IV) oxide as used in cosmetics. *International Journal of Toxicology*, **2014**, 33, 40S-6S	2.4	1
177	Proteomic analysis of oropharyngeal carcinomas reveals novel HPV-associated biological pathways. *International Journal of Cancer*, **2013**, 132, 568-79	7.5	39
176	Basophile: accurate fragment charge state prediction improves peptide identification rates. *Genomics, Proteomics and Bioinformatics*, **2013**, 11, 86-95	6.5	1
175	Statistical design for biospecimen cohort size in proteomics-based biomarker discovery and verification studies. *Journal of Proteome Research*, **2013**, 12, 5383-94	5.6	86
174	Safety assessment of diethanolamides as used in cosmetics. *International Journal of Toxicology*, **2013**, 32, 36S-58S	2.4	5
173	Co-expression network analysis identifies Spleen Tyrosine Kinase (SYK) as a candidate oncogenic driver in a subset of small-cell lung cancer. *BMC Systems Biology*, **2013**, 7 Suppl 5, S1	3.5	56
172	RNA-seq data analysis at the gene and CDS levels provides a comprehensive view of transcriptome responses induced by 4-hydroxynonenal. *Molecular BioSystems*, **2013**, 9, 3036-46		10
171	Targeted quantitation of proteins by mass spectrometry. *Biochemistry*, **2013**, 52, 3797-806	3.2	247
170	Targeted protein capture for analysis of electrophile-protein adducts. *Methods in Molecular Biology*, **2013**, 987, 163-76	1.4	3
169	Design, implementation and multisite evaluation of a system suitability protocol for the quantitative assessment of instrument performance in liquid chromatography-multiple reaction monitoring-MS (LC-MRM-MS). *Molecular and Cellular Proteomics*, **2013**, 12, 2623-39	7.6	87
168	Comparison of protein immunoprecipitation-multiple reaction monitoring with ELISA for assay of biomarker candidates in plasma. *Journal of Proteome Research*, **2013**, 12, 5996-6003	5.6	52
167	Proteomic analysis of exosomes from mutant KRAS colon cancer cells identifies intercellular transfer of mutant KRAS. *Molecular and Cellular Proteomics*, **2013**, 12, 343-55	7.6	355
166	Integrative omics analysis reveals the importance and scope of translational repression in microRNA-mediated regulation. *Molecular and Cellular Proteomics*, **2013**, 12, 1900-11	7.6	23
165	Connecting genomic alterations to cancer biology with proteomics: the NCI Clinical Proteomic Tumor Analysis Consortium. *Cancer Discovery*, **2013**, 3, 1108-12	24.4	162
164	A Reporter System for Translational Readthrough of Stop Codons in Human Cells. *FEBS Open Bio*, **2012**, 2, 56-59	2.7	8
163	QuaMeter: multivendor performance metrics for LC-MS/MS proteomics instrumentation. *Analytical Chemistry*, **2012**, 84, 5845-50	7.8	44

162	Safety assessment of trimoniums as used in cosmetics. *International Journal of Toxicology*, **2012**, 31, 296S-341S	2.4	15
161	Precision of multiple reaction monitoring mass spectrometry analysis of formalin-fixed, paraffin-embedded tissue. *Journal of Proteome Research*, **2012**, 11, 3498-505	5.6	47
160	GeLC-MRM quantitation of mutant KRAS oncoprotein in complex biological samples. *Journal of Proteome Research*, **2012**, 11, 3908-13	5.6	32
159	Proteomic consequences of a single gene mutation in a colorectal cancer model. *Journal of Proteome Research*, **2012**, 11, 1184-95	5.6	29
158	Glucose-independent glutamine metabolism via TCA cycling for proliferation and survival in B cells. *Cell Metabolism*, **2012**, 15, 110-21	24.6	735
157	Attenuation of the beta-catenin/TCF4 complex in colorectal cancer cells induces several growth-suppressive microRNAs that target cancer promoting genes. *Oncogene*, **2012**, 31, 2750-60	9.2	63
156	Protein identification using customized protein sequence databases derived from RNA-Seq data. *Journal of Proteome Research*, **2012**, 11, 1009-17	5.6	128
155	Proteomic profiling of paraffin-embedded samples identifies metaplasia-specific and early-stage gastric cancer biomarkers. *American Journal of Pathology*, **2012**, 181, 1560-72	5.8	38
154	Label-free quantitation of protein modifications by pseudo selected reaction monitoring with internal reference peptides. *Journal of Proteome Research*, **2012**, 11, 3467-79	5.6	56
153	Final report of the Cosmetic Ingredient Review Expert Panel on the safety assessment of methyl acetate. *International Journal of Toxicology*, **2012**, 31, 112S-36S	2.4	10
152	The development of selected reaction monitoring methods for targeted proteomics via empirical refinement. *Proteomics*, **2012**, 12, 1134-41	4.8	82
151	In-depth proteomic analysis of nonsmall cell lung cancer to discover molecular targets and candidate biomarkers. *Molecular and Cellular Proteomics*, **2012**, 11, 916-32	7.6	59
150	Safety assessment of isoparaffins as used in cosmetics. *International Journal of Toxicology*, **2012**, 31, 269S-95S	2.4	10
149	Final report of the Cosmetic Ingredient Review Expert Panel on the safety assessment of dicarboxylic acids, salts, and esters. *International Journal of Toxicology*, **2012**, 31, 5S-76S	2.4	17
148	Safety assessment of alkyl benzoates as used in cosmetics. *International Journal of Toxicology*, **2012** , 31, 342S-72S	2.4	9
147	Global stability of plasma proteomes for mass spectrometry-based analyses. *Molecular and Cellular Proteomics*, **2012**, 11, M111.014340	7.6	50
146	Protein expression signatures for inhibition of epidermal growth factor receptor-mediated signaling. *Molecular and Cellular Proteomics*, **2012**, 11, M111.015222	7.6	17
145	Biotinylated probes for the analysis of protein modification by electrophiles. *Methods in Molecular Biology*, **2012**, 803, 77-95	1.4	16

144	Final report of the Cosmetic Ingredient Review Expert Panel safety assessment of polymethyl methacrylate (PMMA), methyl methacrylate crosspolymer, and methyl methacrylate/glycol dimethacrylate crosspolymer. *International Journal of Toxicology*, **2011**, 30, 54S-65S	2.4	17
143	Relating protein adduction to gene expression changes: a systems approach. *Molecular BioSystems*, **2011**, 7, 2118-27		25
142	Amended safety assessment of Sesamum indicum (sesame) seed oil, hydrogenated sesame seed oil, Sesamum indicum (sesame) oil unsaponifiables, and sodium sesameseedate. *International Journal of Toxicology*, **2011**, 30, 40S-53S	2.4	6
141	Phosphoproteomic mass spectrometry profiling links Src family kinases to escape from HER2 tyrosine kinase inhibition. *Oncogene*, **2011**, 30, 4163-74	9.2	114
140	Mechlorethamine-induced DNA-protein cross-linking in human fibrosarcoma (HT1080) cells. *Journal of Proteome Research*, **2011**, 10, 2785-96	5.6	47
139	Sequence tagging reveals unexpected modifications in toxicoproteomics. *Chemical Research in Toxicology*, **2011**, 24, 204-16	4	24
138	Protein-selective capture to analyze electrophile adduction of hsp90 by 4-hydroxynonenal. *Chemical Research in Toxicology*, **2011**, 24, 1275-82	4	33
137	Final report of the Cosmetic Ingredient Review Expert Panel on the safety assessment of pelargonic acid (nonanoic acid) and nonanoate esters. *International Journal of Toxicology*, **2011**, 30, 228S-69S	2.4	10
136	Methods for peptide and protein quantitation by liquid chromatography-multiple reaction monitoring mass spectrometry. *Molecular and Cellular Proteomics*, **2011**, 10, M110.006593	7.6	88
135	A bioinformatics workflow for variant peptide detection in shotgun proteomics. *Molecular and Cellular Proteomics*, **2011**, 10, M110.006536	7.6	73
134	Analysis of Protein Targets by Oxidative Stress Using the OxyBlot and Biotin–Avidin-Capture Methodology. *Neuromethods*, **2011**, 365-381	0.4	6
133	Safety assessment of xylene sulfonic acid, toluene sulfonic acid, and alkyl aryl sulfonate hydrotropes as used in cosmetics. *International Journal of Toxicology*, **2011**, 30, 270S-83S	2.4	
132	Painting a moving picture: large-scale proteomics efforts and their potential for changing patient care. *Clinical Chemistry*, **2011**, 57, 1357-60	5.5	5
131	Safety assessment of cyclomethicone, cyclotetrasiloxane, cyclopentasiloxane, cyclohexasiloxane, and cycloheptasiloxane. *International Journal of Toxicology*, **2011**, 30, 149S-227S	2.4	27
130	Supporting tool suite for production proteomics. *Bioinformatics*, **2011**, 27, 3214-5	7.2	28
129	Interlaboratory study characterizing a yeast performance standard for benchmarking LC-MS platform performance. *Molecular and Cellular Proteomics*, **2010**, 9, 242-54	7.6	130
128	Use of dimedone-based chemical probes for sulfenic acid detection methods to visualize and identify labeled proteins. *Methods in Enzymology*, **2010**, 473, 95-115	1.7	98
127	Final safety assessment of thiodipropionic acid and its dialkyl esters as used in cosmetics. *International Journal of Toxicology*, **2010**, 29, 137S-50S	2.4	7

126	DNA-protein cross-linking by 1,2,3,4-diepoxybutane. *Journal of Proteome Research*, **2010**, 9, 4356-67	5.6	55
125	Cysteinyl peptide capture for shotgun proteomics: global assessment of chemoselective fractionation. *Journal of Proteome Research*, **2010**, 9, 5461-72	5.6	23
124	Repeatability and reproducibility in proteomic identifications by liquid chromatography-tandem mass spectrometry. *Journal of Proteome Research*, **2010**, 9, 761-76	5.6	377
123	Final report of the Cosmetic Ingredient Review Expert Panel amended safety assessment of Calendula officinalis-derived cosmetic ingredients. *International Journal of Toxicology*, **2010**, 29, 221S-43	2.4	30
122	Protein-based multiplex assays: mock presubmissions to the US Food and Drug Administration. *Clinical Chemistry*, **2010**, 56, 165-71	5.5	59
121	Comparative shotgun proteomics using spectral count data and quasi-likelihood modeling. *Journal of Proteome Research*, **2010**, 9, 4295-305	5.6	84
120	Analytical validation of protein-based multiplex assays: a workshop report by the NCI-FDA interagency oncology task force on molecular diagnostics. *Clinical Chemistry*, **2010**, 56, 237-43	5.5	49
119	Final report of the safety assessment of Kojic acid as used in cosmetics. *International Journal of Toxicology*, **2010**, 29, 244S-73	2.4	86
118	Final amended safety assessment of hydroquinone as used in cosmetics. *International Journal of Toxicology*, **2010**, 29, 274S-87	2.4	40
117	Amended safety assessment of dodecylbenzenesulfonate, decylbenzenesulfonate, and tridecylbenzenesulfonate salts as used in cosmetics. *International Journal of Toxicology*, **2010**, 29, 288S-305	2.4	9
116	Skyline: an open source document editor for creating and analyzing targeted proteomics experiments. *Bioinformatics*, **2010**, 26, 966-8	7.2	2910
115	Performance metrics for liquid chromatography-tandem mass spectrometry systems in proteomics analyses. *Molecular and Cellular Proteomics*, **2010**, 9, 225-41	7.6	147
114	Depletion of abundant plasma proteins and limitations of plasma proteomics. *Journal of Proteome Research*, **2010**, 9, 4982-91	5.6	246
113	An azido-biotin reagent for use in the isolation of protein adducts of lipid-derived electrophiles by streptavidin catch and photorelease. *Molecular and Cellular Proteomics*, **2009**, 8, 2080-9	7.6	80
112	Global analysis of protein damage by the lipid electrophile 4-hydroxy-2-nonenal. *Molecular and Cellular Proteomics*, **2009**, 8, 670-80	7.6	120
111	Equivalence of protein inventories obtained from formalin-fixed paraffin-embedded and frozen tissue in multidimensional liquid chromatography-tandem mass spectrometry shotgun proteomic analysis. *Molecular and Cellular Proteomics*, **2009**, 8, 1988-98	7.6	157
110	Efficacy of cetuximab in the treatment of Menetrier's disease. *Science Translational Medicine*, **2009**, 1, 8ra18	17.5	43
109	Multi-site assessment of the precision and reproducibility of multiple reaction monitoring-based measurements of proteins in plasma. *Nature Biotechnology*, **2009**, 27, 633-41	44.5	859

108	Spin filter-based sample preparation for shotgun proteomics. *Nature Methods*, **2009**, 6, 785; author reply 785-6	21.6	65
107	Proteomic analysis of DNA-protein cross-linking by antitumor nitrogen mustards. *Chemical Research in Toxicology*, **2009**, 22, 1151-62	4	63
106	The Identification of Protein S-Nitrosocysteine. *Springer Protocols*, **2009**, 1451-1465	0.3	1
105	Network-assisted protein identification and data interpretation in shotgun proteomics. *Molecular Systems Biology*, **2009**, 5, 303	12.2	45
104	Reversibility of covalent electrophile-protein adducts and chemical toxicity. *Chemical Research in Toxicology*, **2008**, 21, 2361-9	4	98
103	Covalent modification at Cys151 dissociates the electrophile sensor Keap1 from the ubiquitin ligase CUL3. *Chemical Research in Toxicology*, **2008**, 21, 705-10	4	158
102	Protein damage by reactive electrophiles: targets and consequences. *Chemical Research in Toxicology*, **2008**, 21, 117-28	4	197
101	Identification of protein targets of 4-hydroxynonenal using click chemistry for ex vivo biotinylation of azido and alkynyl derivatives. *Chemical Research in Toxicology*, **2008**, 21, 432-44	4	165
100	Identification of proteins adducted by lipid peroxidation products in plasma and modifications of apolipoprotein A1 with a novel biotinylated phospholipid probe. *Journal of Proteome Research*, **2008**, 7, 4237-46	5.6	53
99	Evaluation of strong cation exchange versus isoelectric focusing of peptides for multidimensional liquid chromatography-tandem mass spectrometry. *Journal of Proteome Research*, **2008**, 7, 5286-94	5.6	82
98	Mitochondrial protein targets of thiol-reactive electrophiles. *Chemical Research in Toxicology*, **2008**, 21, 796-804	4	71
97	Fibrinogen beta-chain tyrosine nitration is a prothrombotic risk factor. *Journal of Biological Chemistry*, **2008**, 283, 33846-53	5.4	67
96	Protein targets of reactive electrophiles in human liver microsomes. *Chemical Research in Toxicology*, **2007**, 20, 859-67	4	84
95	Phospholipid-protein adducts of lipid peroxidation: synthesis and study of new biotinylated phosphatidylcholines. *Chemical Research in Toxicology*, **2007**, 20, 227-34	4	29
94	Proteomics of lipid oxidation-induced oxidation of porcine and bovine oxymyoglobins. *Proteomics*, **2007**, 7, 628-640	4.8	98
93	Analysis of protein adduction kinetics by quantitative mass spectrometry: competing adduction reactions of glutathione-S-transferase P1-1 with electrophiles. *Chemico-Biological Interactions*, **2007**, 168, 117-27	5	13
92	Increased protein nitration burden in the atherosclerotic lesions and plasma of apolipoprotein A-I deficient mice. *Circulation Research*, **2007**, 101, 368-76	15.7	49
91	Diagnostic accuracy of MALDI mass spectrometric analysis of unfractionated serum in lung cancer. *Journal of Thoracic Oncology*, **2007**, 2, 893-901	8.9	101

90	Proteomics: clinical applications for head and neck squamous cell carcinoma. *Head and Neck*, **2006**, 28, 549-58	4.2	14
89	Identification of S-nitrosylation motifs by site-specific mapping of the S-nitrosocysteine proteome in human vascular smooth muscle cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 7420-5	11.5	237
88	Selectively increased oxidative modifications mapped to detergent-insoluble forms of Abeta and beta-III tubulin in Alzheimer's disease. *FASEB Journal*, **2006**, 20, 1473-83	0.9	25
87	Chapter 3 Site-Specific Modification of the Electrophile Sensor Protein Keap1 and Activation of Nrf2-Dependent Gene Expression. *Advances in Molecular Toxicology*, **2006**, 1, 65-83	0.4	1
86	Identification of phosphorylation sites in glycine N-methyltransferase from rat liver. *Protein Science* , **2006**, 15, 785-94	6.3	16
85	Cytosolic and nuclear protein targets of thiol-reactive electrophiles. *Chemical Research in Toxicology*, **2006**, 19, 20-9	4	130
84	Redox instability induced by 4-hydroxy-2-nonenal in porcine and bovine myoglobins at pH 5.6 and 4 degrees C. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 3402-8	5.7	64
83	Covalent adduction of human serum albumin by 4-hydroxy-2-nonenal: kinetic analysis of competing alkylation reactions. *Biochemistry*, **2006**, 45, 10521-8	3.2	69
82	The poisons within: application of toxicity mechanisms to fundamental disease processes. *Chemical Research in Toxicology*, **2006**, 19, 610-3	4	30
81	Inhibition of protein phosphatase 2A activity by selective electrophile alkylation damage. *Biochemistry*, **2006**, 45, 10020-9	3.2	26
80	Bioinformatics Tools for Proteomics **2006**, 289-307		
79	N-Terminal amino acid side-chain cleavage of chemically modified peptides in the gas phase: a mass spectrometry technique for N-terminus identification. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 6213-22	3.4	26
78	Identification of protein fragments as pattern features in MALDI-MS analyses of serum. *Journal of Proteome Research*, **2005**, 4, 1672-80	5.6	18
77	Alkylation of cytochrome c by (glutathion-S-yl)-1,4-benzoquinone and iodoacetamide demonstrates compound-dependent site specificity. *Chemical Research in Toxicology*, **2005**, 18, 41-50	4	28
76	Identification of sensor cysteines in human Keap1 modified by the cancer chemopreventive agent sulforaphane. *Chemical Research in Toxicology*, **2005**, 18, 1917-26	4	328
75	P-Mod: an algorithm and software to map modifications to peptide sequences using tandem MS data. *Journal of Proteome Research*, **2005**, 4, 358-68	5.6	89
74	Analytical Proteomics Approaches to Analysis of Protein Modifications: Tools for Studying Proteome-Environment Interactions **2005**, 283-297		1
73	Elucidating mechanisms of drug-induced toxicity. *Nature Reviews Drug Discovery*, **2005**, 4, 410-20	64.1	239

72	Sample preparation and digestion for proteomic analyses using spin filters. *Proteomics*, **2005**, 5, 1742-5	4.8	322
71	Proteomic identification of ubiquitinated proteins from human cells expressing His-tagged ubiquitin. *Proteomics*, **2005**, 5, 2104-11	4.8	80
70	Specific patterns of electrophile adduction trigger Keap1 ubiquitination and Nrf2 activation. *Journal of Biological Chemistry*, **2005**, 280, 31768-75	5.4	243
69	Global shifts in protein sumoylation in response to electrophile and oxidative stress. *Chemical Research in Toxicology*, **2004**, 17, 1706-15	4	129
68	Proteomic characterization of metabolites, protein adducts, and biliary proteins in rats exposed to 1,1-dichloroethylene or diclofenac. *Chemical Research in Toxicology*, **2003**, 16, 1306-17	4	31
67	Quantitative analysis of modified proteins by LC-MS/MS of peptides labeled with phenyl isocyanate. *Journal of Proteome Research*, **2003**, 2, 265-72	5.6	74
66	Porcine oxymyoglobin and lipid oxidation in vitro. *Meat Science*, **2003**, 63, 241-7	6.4	55
65	Mapping protein modifications with liquid chromatography-mass spectrometry and the SALSA algorithm. *Advances in Protein Chemistry*, **2003**, 65, 195-216		7
64	Proteomic approaches to characterize protein modifications: new tools to study the effects of environmental exposures. *Environmental Health Perspectives*, **2002**, 110 Suppl 1, 3-9	8.4	58
63	Vitamin E oxidation in human atherosclerotic lesions. *Circulation Research*, **2002**, 90, 333-9	15.7	79
62	Mass spectral characterization of dichloroacetic acid-modified human glutathione transferase zeta. *Chemical Research in Toxicology*, **2002**, 15, 1387-97	4	26
61	Peptide sequence motif analysis of tandem MS data with the SALSA algorithm. *Analytical Chemistry*, **2002**, 74, 203-10	7.8	60
60	Sequence mapping of epoxide adducts in human hemoglobin with LC-tandem MS and the SALSA algorithm. *Chemical Research in Toxicology*, **2002**, 15, 799-805	4	37
59	Alkylation and inactivation of human glutathione transferase zeta (hGSTZ1-1) by maleylacetone and fumarylacetone. *Chemical Research in Toxicology*, **2002**, 15, 707-16	4	24
58	Mechanisms of dimer and trimer formation from ultraviolet-irradiated alpha-tocopherol. *Lipids*, **2001**, 36, 49-55	1.6	48
57	Quantitative analysis by liquid chromatography-tandem mass spectrometry of deuterium-labeled and unlabeled vitamin E in biological samples. *Analytical Biochemistry*, **2001**, 289, 89-95	3.1	68
56	Human monomethylarsonic acid (MMA(V)) reductase is a member of the glutathione-S-transferase superfamily. *Chemical Research in Toxicology*, **2001**, 14, 1051-7	4	189
55	SALSA: a pattern recognition algorithm to detect electrophile-adducted peptides by automated evaluation of CID spectra in LC-MS-MS analyses. *Analytical Chemistry*, **2001**, 73, 1676-83	7.8	82

54	Antioxidant reactions of green tea catechins and soy isoflavones. *Advances in Experimental Medicine and Biology*, **2001**, 500, 191-7	3.6	4
53	Reactions of vitamin E with ozone. *Methods in Enzymology*, **2000**, 319, 546-51	1.7	1
52	Antioxidant reactions of alpha-tocopherolhydroquinone. *Lipids*, **2000**, 35, 1045-7	1.6	22
51	Effects of UV light and tumor promoters on endogenous vitamin E status in mouse skin. *Carcinogenesis*, **2000**, 21, 221-5	4.6	16
50	Antioxidant chemistry of green tea catechins. New oxidation products of (-)-epigallocatechin gallate and (-)-epigallocatechin from their reactions with peroxyl radicals. *Chemical Research in Toxicology*, **2000**, 13, 801-10	4	132
49	Photoprotective actions of topically applied vitamin E. *Drug Metabolism Reviews*, **2000**, 32, 413-20	7	56
48	Reactions of Genistein with alkylperoxyl radicals. *Chemical Research in Toxicology*, **2000**, 13, 638-45	4	31
47	Tandem MS analysis of model peptide adducts from reactive metabolites of the hepatotoxin 1,1-dichloroethylene. *Chemical Research in Toxicology*, **2000**, 13, 1302-12	4	11
46	Characterization of benzoquinone-peptide adducts by electrospray mass spectrometry. *Chemical Research in Toxicology*, **2000**, 13, 976-82	4	33
45	Products from reaction of peroxynitrite with gamma-tocopherol. *Methods in Enzymology*, **1999**, 301, 483-90	1.7	1
44	Antioxidant chemistry of green tea catechins. Identification of products of the reaction of (-)-epigallocatechin gallate with peroxyl radicals. *Chemical Research in Toxicology*, **1999**, 12, 382-6	4	159
43	Prevention of DNA photodamage by vitamin E compounds and sunscreens: roles of ultraviolet absorbance and cellular uptake. *Molecular Carcinogenesis*, **1999**, 24, 169-76	5	79
42	alpha,beta-unsaturated aldehydes accelerate oxymyoglobin oxidation. *Journal of Agricultural and Food Chemistry*, **1999**, 47, 3140-4	5.7	107
41	UV-B-Induced photooxidation of vitamin E in mouse skin. *Chemical Research in Toxicology*, **1999**, 12, 187-91	4	13
40	Reactions of beta-carotene with cigarette smoke oxidants. Identification of carotenoid oxidation products and evaluation of the prooxidant/antioxidant effect. *Chemical Research in Toxicology*, **1999**, 12, 535-43	4	72
39	Gas chromatography-mass spectrometry analysis of vitamin E and its oxidation products. *Methods in Enzymology*, **1999**, 299, 309-18	1.7	14
38	Reactive oxidants from nitric oxide, oxidants and cellular signalling, and repair of oxidative DNA damage: A chemical pathology study section workshop. *Molecular Carcinogenesis*, **1998**, 22, 209-220	5	3
37	Effect of UVB on hydrolysis of alpha-tocopherol acetate to alpha-tocopherol in mouse skin. *Journal of Investigative Dermatology*, **1998**, 111, 302-7	4.3	17

36	Photoprotective actions of natural and synthetic melanins. *Chemical Research in Toxicology*, **1998**, 11, 1434-40	4	90
35	Antioxidant chemistry of alpha-tocopherol in biological systems. Roles of redox cycles and metabolism. *Sub-Cellular Biochemistry*, **1998**, 30, 301-17	5.5	13
34	Carotene: Friend or Foe?. *Toxicological Sciences*, **1997**, 40, 163-174	4.4	
33	Inhibition of UVB induced DNA photodamage in mouse epidermis by topically applied alpha-tocopherol. *Carcinogenesis*, **1997**, 18, 1617-22	4.6	81
32	The reduction of alpha-tocopherolquinone by human NAD(P)H: quinone oxidoreductase: the role of alpha-tocopherolhydroquinone as a cellular antioxidant. *Molecular Pharmacology*, **1997**, 52, 300-5	4.3	211
31	UVB induced photooxidation of vitamin E. *Chemical Research in Toxicology*, **1997**, 10, 219-24	4	35
30	Reactions of peroxynitrite with gamma-tocopherol. *Chemical Research in Toxicology*, **1997**, 10, 401-7	4	71
29	Determination of singlet oxygen-specific versus radical-mediated lipid peroxidation in photosensitized oxidation of lipid bilayers: effect of beta-carotene and alpha-tocopherol. *Biochemistry*, **1997**, 36, 12911-20	3.2	113
28	Antioxidant actions of beta-carotene in liposomal and microsomal membranes: role of carotenoid-membrane incorporation and alpha-tocopherol. *Archives of Biochemistry and Biophysics*, **1997**, 338, 244-50	4.1	70
27	Antioxidant reactions of vitamin E in the perfused rat liver: product distribution and effect of dietary vitamin E supplementation. *Archives of Biochemistry and Biophysics*, **1997**, 339, 157-64	4.1	34
26	beta-carotene: friend or foe?. *Fundamental and Applied Toxicology*, **1997**, 40, 163-74		56
25	Carotenoid Antioxidant Chemistry **1997**, 556-561		
24	Antioxidant reactions of beta-carotene: identification of carotenoid-radical adducts. *Chemical Research in Toxicology*, **1996**, 9, 8-11	4	123
23	Gas chromatography-mass spectrometry analysis of vitamin E and its oxidation products. *Analytical Biochemistry*, **1996**, 236, 27-34	3.1	113
22	Antioxidant stoichiometry and the oxidative fate of vitamin E in peroxyl radical scavenging reactions. *Lipids*, **1995**, 30, 789-93	1.6	31
21	A rapid method for profiling the products of antioxidant reactions by negative ion chemical ionization mass spectrometry. *Chemical Research in Toxicology*, **1995**, 8, 128-35	4	19
20	Vitamin E oxidation in rat liver mitochondria. *Biochemistry*, **1995**, 34, 5754-61	3.2	61
19	Electron capture negative chemical ionization mass spectrometry and tandem mass spectrometry analysis of carotene, tocopherol and their oxidation products. *Journal of Mass Spectrometry*, **1995**, 30, 1480-1488	2.2	4

18	Tocopherone and expoxytocopherone products of vitamin E oxidation. *Methods in Enzymology*, **1994**, 234, 310-6	1.7	17
17	Hepatic injury and lipid peroxidation during hemorrhagic shock and resuscitation. *Life Sciences*, **1993**, 53, 1685-90	6.8	9
16	Reactions of vitamin E and its model compound 2,2,5,7,8-pentamethylchroman-6-ol with ozone. *Chemical Research in Toxicology*, **1993**, 6, 69-74	4	10
15	Isolation and identification of singlet oxygen oxidation products of beta-carotene. *Chemical Research in Toxicology*, **1993**, 6, 542-7	4	116
14	Reactions of the vitamin E model compound 2,2,5,7,8-pentamethylchroman-6-ol with peroxyl radicals. *Chemical Research in Toxicology*, **1993**, 6, 351-5	4	15
13	Antioxidant reactions of carotenoids. *Annals of the New York Academy of Sciences*, **1993**, 691, 20-31	6.5	106
12	The role of metabolism in the antioxidant function of vitamin E. *Critical Reviews in Toxicology*, **1993**, 23, 147-69	5.7	259
11	Epoxide products of beta-carotene antioxidant reactions. *Methods in Enzymology*, **1992**, 213, 472-9	1.7	12
10	Oxidation of vitamin E during iron-catalyzed lipid peroxidation: evidence for electron-transfer reactions of the tocopheroxyl radical. *Biochemistry*, **1992**, 31, 8278-84	3.2	71
9	Formation and identification of protein adducts to cytosolic proteins in guinea pig liver slices exposed to halothane. *Toxicology*, **1992**, 73, 281-95	4.4	15
8	Peroxyl radical oxidation of beta-carotene: formation of beta-carotene epoxides. *Chemical Research in Toxicology*, **1991**, 4, 290-5	4	130
7	Peroxyl radical trapping and autoxidation reactions of alpha-tocopherol in lipid bilayers. *Chemical Research in Toxicology*, **1991**, 4, 89-93	4	47
6	Oxidation of vitamin E: evidence for competing autoxidation and peroxyl radical trapping reactions of the tocopheroxyl radical. *Journal of the American Chemical Society*, **1990**, 112, 6995-7000	16.4	116
5	Redox cycles of vitamin E: hydrolysis and ascorbic acid dependent reduction of 8a-(alkyldioxy)tocopherones. *Biochemistry*, **1989**, 28, 9772-7	3.2	56
4	S-(2-chloroacetyl)glutathione, a reactive glutathione thiol ester and a putative metabolite of 1,1-dichloroethylene. *Biochemistry*, **1988**, 27, 3652-7	3.2	23
3	Enzymatic activation of chemicals to toxic metabolites. *CRC Critical Reviews in Toxicology*, **1985**, 14, 259-307		268
2	Olefin oxidation by cytochrome P-450: evidence for group migration in catalytic intermediates formed with vinylidene chloride and trans-1-phenyl-1-butene. *Biochemistry*, **1983**, 22, 5482-9	3.2	109
1	Tumor cell-adipocyte gap junctions activate lipolysis and are essential for breast tumorigenesis		1