

Pier Giorgio Righetti

List of Publications by Year in descending order

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646
papers

27,006
citations

10351

72
h-index

16127

124
g-index

672
all docs

672
docs citations

672
times ranked

14057
citing authors

#	ARTICLE	IF	CITATIONS
1	Blue silver: A very sensitive colloidal Coomassie G-250 staining for proteome analysis. <i>Electrophoresis</i> , 2004, 25, 1327-1333.	1.3	1,686
2	Isoelectric focusing in immobilized pH gradients: Principle, methodology and some applications. <i>Journal of Proteomics</i> , 1982, 6, 317-339.	2.4	930
3	Isoelectric points and molecular weights of proteins. <i>Journal of Chromatography A</i> , 1976, 127, 1-28.	1.8	492
4	Isoelectric focusing in gels. <i>Journal of Chromatography A</i> , 1974, 98, 271-321.	1.8	387
5	Prefractionation techniques in proteome analysis: The mining tools of the third millennium. <i>Electrophoresis</i> , 2005, 26, 297-319.	1.3	275
6	The free solution mobility of DNA. , 1997, 42, 687-703.		274
7	Protein Equalizerâ„¢ Technology: The quest for a â€œdemocratic proteomeâ€. <i>Proteomics</i> , 2006, 6, 3980-3992.	1.3	235
8	The state of the art of dynamic coatings. <i>Electrophoresis</i> , 2001, 22, 603-611.	1.3	232
9	Exploring the Hidden Human Urinary Proteome via Ligand Library Beads. <i>Journal of Proteome Research</i> , 2005, 4, 1917-1930.	1.8	232
10	A turning point in proteome analysis: Sample prefractionation via multicompart ment electrolyzers with isoelectric membranes. <i>Electrophoresis</i> , 2000, 21, 3639-3648.	1.3	225
11	Reduction and alkylation of proteins in preparation of two-dimensional map analysis: Why, when, and how?. <i>Electrophoresis</i> , 2001, 22, 2046-2057.	1.3	214
12	Prefractionation techniques in proteome analysis. <i>Proteomics</i> , 2003, 3, 1397-1407.	1.3	209
13	Extensive Analysis of the Cytoplasmic Proteome of Human Erythrocytes Using the Peptide Ligand Library Technology and Advanced Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 2254-2269.	2.5	208
14	Isoelectric points and molecular weights of proteins. <i>Journal of Chromatography A</i> , 1981, 220, 115-194.	1.8	182
15	Gel gradient electrophoresis, isoelectric focusing and two-dimensional techniques in horizontal, ultrathin polyacrylamide layers. <i>Journal of Proteomics</i> , 1980, 3, 273-284.	2.4	181
16	The Red Blood Cell Proteome and Interactome: An Update. <i>Journal of Proteome Research</i> , 2010, 9, 144-163.	1.8	170
17	The ProteoMiner in the proteomic arena: A non-depleting tool for discovering low-abundance species. <i>Journal of Proteomics</i> , 2008, 71, 255-264.	1.2	166
18	Proteomic Analysis of Human Blood Serum Using Peptide Library Beads. <i>Journal of Proteome Research</i> , 2007, 6, 4055-4062.	1.8	165

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19	On the limiting pore size of hydrophilic gels for electrophoresis and isoelectric focussing. <i>Journal of Proteomics</i> , 1981, 4, 347-363.	2.4	162
20	Congenital dyserythropoietic anemia type II (CDAII) is caused by mutations in the <i>SEC23B</i> gene. <i>Human Mutation</i> , 2009, 30, 1292-1298.	1.1	160
21	Exploring the Chicken Egg White Proteome with Combinatorial Peptide Ligand Libraries. <i>Journal of Proteome Research</i> , 2008, 7, 3461-3474.	1.8	150
22	Preparative protein purification in a multi-compartment electrolyser with immobiline membranes. <i>Journal of Chromatography A</i> , 1989, 475, 293-309.	1.8	148
23	Protein adsorption to the bare silica wall in capillary electrophoresis. <i>Journal of Chromatography A</i> , 2000, 868, 85-99.	1.8	147
24	Non-linear pH courses with immobilized pH gradients. <i>Electrophoresis</i> , 1985, 6, 53-56.	1.3	144
25	Exploring the Venom Proteome of the Western Diamondback Rattlesnake, <i>Crotalus atrox</i> , via Snake Venomics and Combinatorial Peptide Ligand Library Approaches. <i>Journal of Proteome Research</i> , 2009, 8, 3055-3067.	1.8	143
26	The art of observing rare protein species in proteomes with peptide ligand libraries. <i>Proteomics</i> , 2009, 9, 1492-1510.	1.3	141
27	Unseen Proteome: Mining Below the Tip of the Iceberg To Find Low Abundance and Membrane Proteins. <i>Journal of Proteome Research</i> , 2003, 2, 303-311.	1.8	140
28	Capillary electrophoresis and isoelectric focusing in peptide and protein analysis. <i>Proteomics</i> , 2013, 13, 325-340.	1.3	140
29	Towards new formulations for polyacrylamide matrices: N-acryloylaminoethoxyethanol, a novel monomer combining high hydrophilicity with extreme hydrolytic stability. <i>Electrophoresis</i> , 1994, 15, 177-186.	1.3	135
30	Modern strategies for protein quantification in proteome analysis: Advantages and limitations. <i>Mass Spectrometry Reviews</i> , 2002, 21, 287-302.	2.8	135
31	A proteomic approach to cisplatin resistance in the cervix squamous cell carcinoma cell line A431. <i>Proteomics</i> , 2004, 4, 3246-3267.	1.3	130
32	Spot overlapping in two-dimensional maps: A serious problem ignored for much too long. <i>Proteomics</i> , 2005, 5, 2385-2395.	1.3	130
33	Isoelectric focusing of peptides. <i>Journal of Chromatography A</i> , 1978, 157, 243-251.	1.8	126
34	Preparative purification of human monoclonal antibody isoforms in a multi-compartment electrolyser with immobiline membranes. <i>Journal of Chromatography A</i> , 1990, 500, 681-696.	1.8	125
35	The ProteoMiner and the FortyNiners: Searching for gold nuggets in the proteomic arena. <i>Mass Spectrometry Reviews</i> , 2008, 27, 596-608.	2.8	125
36	Amino acid composition of zein molecular components. <i>Phytochemistry</i> , 1977, 16, 315-317.	1.4	122

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37	Polymerization kinetics of polyacrylamide gels I. Effect of different cross-linkers. <i>Electrophoresis</i> , 1981, 2, 213-219.	1.3	122
38	Membrane protein analysis by isoelectric focusing in immobilized pH gradients. <i>Electrophoresis</i> , 1985, 6, 419-422.	1.3	122
39	Proteomics as a Complementary Tool for Identifying Unintended Side Effects Occurring in Transgenic Maize Seeds As a Result of Genetic Modifications. <i>Journal of Proteome Research</i> , 2008, 7, 1850-1861.	1.8	120
40	In-depth Exploration of Cerebrospinal Fluid by Combining Peptide Ligand Library Treatment and Label-free Protein Quantification. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 1006-1021.	2.5	116
41	Determination of the isoelectric point of proteins by capillary isoelectric focusing. <i>Journal of Chromatography A</i> , 2004, 1037, 491-499.	1.8	114
42	Isoelectric focusing in immobilized pH gradients. <i>Journal of Chromatography A</i> , 1984, 300, 165-224.	1.8	113
43	Preparation of immobilized pH gradients spanning 2-6 pH units with two-chamber mixers: Evaluation of two experimental approaches. <i>Electrophoresis</i> , 1984, 5, 88-97.	1.3	113
44	In-Depth Exploration of Cow's Whey Proteome via Combinatorial Peptide Ligand Libraries. <i>Journal of Proteome Research</i> , 2009, 8, 3925-3936.	1.8	113
45	Chicken egg yolk cytoplasmic proteome, mined via combinatorial peptide ligand libraries. <i>Journal of Chromatography A</i> , 2009, 1216, 1241-1252.	1.8	107
46	Quantitative Proteomics: A Review of Different Methodologies. <i>European Journal of Mass Spectrometry</i> , 2004, 10, 335-348.	0.5	106
47	Reduction of dynamic protein concentration range of biological extracts for the discovery of low-abundance proteins by means of hexapeptide ligand library. <i>Nature Protocols</i> , 2008, 3, 883-890.	5.5	104
48	Carbamylation of Proteins in 2-D Electrophoresis Myth or Reality?. <i>Journal of Proteome Research</i> , 2003, 2, 239-242.	1.8	102
49	Titration curves of proteins by combined isoelectric focusing-electrophoresis in highly porous polyacrylamide matrices. <i>Journal of Chromatography A</i> , 1980, 189, 317-330.	1.8	101
50	Alkylation kinetics of proteins in preparation for two-dimensional maps: A matrix assisted laser desorption/ionization-mass spectrometry investigation. <i>Electrophoresis</i> , 2001, 22, 2058-2065.	1.3	100
51	Critical survey of quantitative proteomics in two-dimensional electrophoretic approaches. <i>Journal of Chromatography A</i> , 2004, 1051, 3-17.	1.8	100
52	Proteome analysis in the clinical chemistry laboratory: Myth or reality?. <i>Clinica Chimica Acta</i> , 2005, 357, 123-139.	0.5	99
53	Quantitative studies on the adsorption of proteins to the bare silica wall in capillary electrophoresis. <i>Journal of Chromatography A</i> , 2000, 874, 293-303.	1.8	98
54	Numerical approaches for quantitative analysis of two-dimensional maps: A review of commercial software and home-made systems. <i>Proteomics</i> , 2005, 5, 654-666.	1.3	98

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55	Polymerization kinetics of polyacrylamide gels II. Effect of temperature. <i>Electrophoresis</i> , 1981, 2, 220-228.	1.3	97
56	Peer Reviewed: Prefractionation Techniques in Proteome Analysis. <i>Analytical Chemistry</i> , 2001, 73, 320 A-326 A.	3.2	97
57	Combinatorial peptide ligand libraries for urine proteome analysis: Investigation of different elution systems. <i>Electrophoresis</i> , 2009, 30, 2405-2411.	1.3	95
58	Reducing protein concentration range of biological samples using solid-phase ligand libraries. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 833, 33-40.	1.2	93
59	Human globin chain separation by isoelectric focusing. <i>Journal of Proteomics</i> , 1979, 1, 45-57.	2.4	91
60	Exploring the Platelet Proteome via Combinatorial, Hexapeptide Ligand Libraries. <i>Journal of Proteome Research</i> , 2007, 6, 4290-4303.	1.8	89
61	Size and charge distribution of macromolecules in living systems. <i>Journal of Chromatography A</i> , 1980, 193, 1-8.	1.8	86
62	Recent progress in DNA analysis by capillary electrophoresis. <i>Electrophoresis</i> , 2002, 23, 1361.	1.3	86
63	Electrophoresis: The march of pennies, the march of dimes. <i>Journal of Chromatography A</i> , 2005, 1079, 24-40.	1.8	86
64	Polymerization kinetics of polyacrylamide gels containing immobilized pH gradients for isoelectric focusing. <i>Journal of Chromatography A</i> , 1984, 291, 31-42.	1.8	83
65	Surface modification based on Si-O and Si-C sublayers and a series of N-substituted acrylamide top-layers for capillary electrophoresis. <i>Electrophoresis</i> , 1998, 19, 1677-1682.	1.3	81
66	pH gradient simulator for electrophoretic techniques in a windows environment. <i>Journal of Chromatography A</i> , 1993, 630, 313-327.	1.8	80
67	Isoelectric focusing in immobilized pH gradients: Generation of extended pH intervals. <i>Journal of Proteomics</i> , 1983, 7, 123-142.	2.4	78
68	Capillary zone electrophoresis of DNA fragments in a novel polymer network: Poly(N-acryloylaminoethoxyethanol). <i>Electrophoresis</i> , 1994, 15, 616-622.	1.3	77
69	Fluidified polyacrylamides as molecular sieves in capillary zone electrophoresis of DNA fragments. <i>Journal of Chromatography A</i> , 1995, 689, 97-105.	1.8	77
70	Romancing the "hidden proteome", Anno Domini two zero zero seven. <i>Journal of Chromatography A</i> , 2007, 1153, 277-290.	1.8	77
71	Identification of Distinct N-terminal Truncated Forms of Prion Protein in Different Creutzfeldt-Jakob Disease Subtypes. <i>Journal of Biological Chemistry</i> , 2004, 279, 38936-38942.	1.6	76
72	Movement of DNA fragments during capillary zone electrophoresis in liquid polyacrylamide. <i>Journal of Chromatography A</i> , 1993, 652, 31-39.	1.8	73

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73	Novel acrylamido monomers with higher hydrophilicity and improved hydrolytic stability: II. Properties of N-acryloylaminopropanol. <i>Electrophoresis</i> , 1996, 17, 732-737.	1.3	73
74	In-depth exploration of Hevea brasiliensis latex proteome and "hidden allergens" via combinatorial peptide ligand libraries. <i>Journal of Proteomics</i> , 2010, 73, 1368-1380.	1.2	73
75	Wall adsorption in capillary electrophoresis experimental study and computer simulation. <i>Journal of Chromatography A</i> , 1995, 699, 297-313.	1.8	72
76	Les Maîtres de l'Orge: The Proteome Content of Your Beer Mug. <i>Journal of Proteome Research</i> , 2010, 9, 5262-5269.	1.8	72
77	Effect of 2-mercaptoethanol on pH gradients in isoelectric focusing. <i>Journal of Proteomics</i> , 1982, 6, 219-227.	2.4	71
78	Preparative isoelectric focusing in immobilized pH gradients. I. General principles and methodology. <i>Journal of Proteomics</i> , 1983, 8, 135-155.	2.4	71
79	Isoelectric focusing of proteins and peptides in gel slabs and in capillaries. This humble review is dedicated to the memory of our Maestro, Prof. Harry Svensson-Rilbe, who died on July 10, 1997 at the age of 84 years. <i>Analytica Chimica Acta</i> , 1998, 372, 1-19.	2.6	71
80	Amidosulfobetaines, a family of detergents with improved solubilization properties: Application for isoelectric focusing under denaturing conditions. <i>Analytical Biochemistry</i> , 1990, 185, 94-102.	1.1	70
81	Capillary electrophoresis of macromolecules in "syrupy" solutions: Facts and misfacts. <i>Electrophoresis</i> , 1992, 13, 690-697.	1.3	70
82	A decade of plant proteomics and mass spectrometry: Translation of technical advancements to food security and safety issues. <i>Mass Spectrometry Reviews</i> , 2013, 32, 335-365.	2.8	70
83	Wheat cultivar discrimination by capillary electrophoresis of gliadins in isoelectric buffers. <i>Electrophoresis</i> , 1998, 19, 311-318.	1.3	69
84	Protein alkylation in the presence/absence of thiourea in proteome analysis: A matrix assisted laser desorption/ionization-time of flight-mass spectrometry investigation. <i>Electrophoresis</i> , 2001, 22, 2066-2074.	1.3	69
85	Dependence of the electroosmotic mobility on the applied electric field and its reproducibility in capillary electrophoresis. <i>Journal of Chromatography A</i> , 1994, 684, 311-322.	1.8	68
86	DNA and Buffers: Are There Any Noninteracting, Neutral pH Buffers?. <i>Analytical Biochemistry</i> , 2000, 287, 167-175.	1.1	68
87	Preferential counterion binding to A-tract DNA oligomers. <i>Journal of Molecular Biology</i> , 2001, 305, 1025-1033.	2.0	68
88	Assessment of the floral origin of honey via proteomic tools. <i>Journal of Proteomics</i> , 2012, 75, 3688-3693.	1.2	68
89	Immobilized pH gradients for isoelectric focusing. III. Preparative separations in highly diluted gels. <i>Journal of Proteomics</i> , 1984, 9, 103-119.	2.4	67
90	Some more formulations for immobilized pH gradients. <i>Electrophoresis</i> , 1985, 6, 113-117.	1.3	67

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91	Proteomics of wine additives: Mining for the invisible via combinatorial peptide ligand libraries. <i>Journal of Proteomics</i> , 2010, 73, 1732-1739.	1.2	67
92	Isoelectric focusing in immobilized pH gradients: Generation and optimization of wide pH intervals with two-chamber mixers. <i>Journal of Proteomics</i> , 1983, 8, 109-133.	2.4	66
93	An improved protocol for two-dimensional maps of serum proteins with immobilized pH gradients in the first dimension. <i>Electrophoresis</i> , 1985, 6, 332-339.	1.3	65
94	Laterally aggregated™ polyacrylamide gels for electrophoresis. <i>Electrophoresis</i> , 1992, 13, 587-595.	1.3	65
95	Differential accumulation of Lhcb gene products in thylakoid membranes of <i>Zea mays</i> plants grown under contrasting light and temperature conditions. <i>Proteomics</i> , 2005, 5, 758-768.	1.3	65
96	Isoelectric focusing of heparin. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1978, 532, 137-146.	1.7	64
97	Formulations for immobilized pH gradients including pH extremes. <i>Electrophoresis</i> , 1989, 10, 806-808.	1.3	64
98	Preincubation with cysteine prevents modification of sulfhydryl groups in proteins by unreacted acrylamide in a gel. <i>Electrophoresis</i> , 1992, 13, 882-884.	1.3	64
99	Detection of point mutations by capillary electrophoresis in liquid polymers in temporal thermal gradients. <i>Electrophoresis</i> , 1994, 15, 1506-1511.	1.3	64
100	Capillary isoelectric focusing: the problem of protein solubility. <i>Journal of Chromatography A</i> , 1997, 757, 237-245.	1.8	64
101	Searching for allergens in maize kernels via proteomic tools. <i>Journal of Proteomics</i> , 2009, 72, 501-510.	1.2	64
102	Interaction among proteins and peptide libraries in proteome analysis: pH involvement for a larger capture of species. <i>Journal of Proteomics</i> , 2010, 73, 733-742.	1.2	63
103	The proteome buccaneers: how to unearth your treasure chest via combinatorial peptide ligand libraries. <i>Expert Review of Proteomics</i> , 2010, 7, 373-385.	1.3	63
104	Isoelectric focusing in immobilized pH gradients in presence of urea and neutral detergents. <i>Electrophoresis</i> , 1983, 4, 321-326.	1.3	62
105	Generation of peptide maps by capillary zone electrophoresis in isoelectric iminodiacetic acid. <i>Electrophoresis</i> , 1997, 18, 2012-2018.	1.3	62
106	Characterization of synthetic carrier ampholytes for isoelectric focusing. <i>Journal of Chromatography A</i> , 1975, 109, 341-356.	1.8	61
107	Of matrices and men. <i>Journal of Proteomics</i> , 1989, 19, 1-20.	2.4	61
108	Isoelectric Focusing in Immobilized pH Gradients: Recent Analytical and Preparative Developments. <i>Analytical Biochemistry</i> , 1997, 247, 1-10.	1.1	61

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109	Measuring the translational diffusion coefficients of small DNA molecules by capillary electrophoresis. <i>Biopolymers</i> , 2001, 58, 390-397.	1.2	61
110	Noah's nectar: The proteome content of a glass of red wine. <i>Journal of Proteomics</i> , 2010, 73, 2370-2377.	1.2	61
111	Preparative isoelectric focusing in immobilized pH gradients. II. A case report. <i>Journal of Proteomics</i> , 1983, 8, 157-172.	2.4	60
112	Capillary electrophoresis of oligonucleotides in sieving liquid polymers in isoelectric buffers. <i>Electrophoresis</i> , 1996, 17, 1470-1475.	1.3	60
113	Immobilized pH gradients: Effect of salts, added carrier ampholytes and voltage gradients on protein patterns. <i>Electrophoresis</i> , 1988, 9, 65-73.	1.3	59
114	Novel acrylamido monomers with higher hydrophilicity and improved hydrolytic stability: I. Synthetic route and product characterization. <i>Electrophoresis</i> , 1996, 17, 723-731.	1.3	59
115	A New Approach for the Detection and Identification of Protein Impurities Using Combinatorial Solid Phase Ligand Libraries. <i>Journal of Proteome Research</i> , 2006, 5, 2577-2585.	1.8	59
116	Sherlock Holmes and the proteome—a detective story. <i>FEBS Journal</i> , 2007, 274, 897-905.	2.2	59
117	Combinatorial peptide ligand libraries and plant proteomics: A winning strategy at a price. <i>Journal of Chromatography A</i> , 2009, 1216, 1215-1222.	1.8	59
118	Computer simulation of immobilized pH gradients at acidic and alkaline extremes: A quest for extended pH intervals. <i>Electrophoresis</i> , 1986, 7, 59-66.	1.3	58
119	Capillary electrophoresis of peptides in isoelectric buffers. <i>Journal of Chromatography A</i> , 1997, 772, 203-211.	1.8	58
120	Capillary electrophoresis of peptides and proteins in isoelectric buffers: An update. <i>Electrophoresis</i> , 2000, 21, 4046-4053.	1.3	58
121	Polymerization kinetics of polyacrylamide gels. III. Effect of catalysts. <i>Electrophoresis</i> , 1981, 2, 291-295.	1.3	57
122	Photopolymerization of polyacrylamide gels with methylene blue. <i>Electrophoresis</i> , 1993, 14, 40-50.	1.3	57
123	Capillary electrophoretic analysis of proteins and peptides of biomedical and pharmacological interest. <i>Biopharmaceutics and Drug Disposition</i> , 2001, 22, 337-351.	1.1	57
124	The effect of protease inhibitors on the two-dimensional electrophoresis pattern of red blood cell membranes. <i>Electrophoresis</i> , 2001, 22, 560-565.	1.3	57
125	Crystal Structure of Chicken Liver Basic Fatty Acid-Binding Protein Complexed with Cholic Acid. <i>Biochemistry</i> , 2004, 43, 14072-14079.	1.2	57
126	How to Bring the "Unseen" Proteome to the Limelight via Electrophoretic Pre-Fractionation Techniques. <i>Bioscience Reports</i> , 2005, 25, 3-17.	1.1	57

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127	Swelling kinetics of immobilized gels for isoelectric focusing. <i>Electrophoresis</i> , 1984, 5, 257-262.	1.3	56
128	Isoelectric protein purification by orthogonally coupled hydraulic and electric transports in a segmented immobilized pH gradient. <i>Journal of Proteomics</i> , 1987, 15, 147-161.	2.4	56
129	Isoelectric focusing and non-isoelectric precipitation of ferritin in immobilized pH gradients: An improved protocol overcoming protein-matrix interactions. <i>Electrophoresis</i> , 1987, 8, 62-70.	1.3	56
130	Current trends in capillary isoelectric focusing of proteins. <i>Biomedical Applications</i> , 1997, 699, 91-104.	1.7	56
131	Folding/unfolding/refolding of proteins: Present methodologies in comparison with capillary zone electrophoresis. <i>Electrophoresis</i> , 2001, 22, 2359-2374.	1.3	56
132	$\hat{\Gamma}^2$ -elimination: An unexpected artefact in proteome analysis. <i>Proteomics</i> , 2003, 3, 826-831.	1.3	55
133	Urinary Prostatin. <i>Hypertension</i> , 2005, 46, 683-688.	1.3	55
134	Hexapeptide combinatorial ligand libraries: the march for the detection of the low-abundance proteome continues. <i>BioTechniques</i> , 2008, 44, 663-665.	0.8	55
135	Screening of umbilical cord blood hemoglobins by isoelectric focusing in capillaries. <i>Electrophoresis</i> , 1995, 16, 1485-1491.	1.3	53
136	Capillary zone electrophoresis of oligonucleotides and peptides in isoelectric buffers: Theory and methodology. <i>Electrophoresis</i> , 1997, 18, 2145-2153.	1.3	53
137	Quantitative studies on the adsorption of proteins to the bare silica wall in capillary electrophoresis. <i>Journal of Chromatography A</i> , 2000, 894, 281-289.	1.8	53
138	Soft immobilized pH gradient gels in proteome analysis: A follow-up. <i>Proteomics</i> , 2003, 3, 821-825.	1.3	53
139	New developments in isoelectric focusing. <i>Journal of Chromatography A</i> , 1980, 184, 415-456.	1.8	52
140	Neonatal screening of $\hat{\Gamma}^2$ -thalassemias by thin layer isoelectric focusing. <i>American Journal of Hematology</i> , 1982, 13, 149-157.	2.0	52
141	Novel, trifunctional diamine for silica coating in capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2000, 894, 53-61.	1.8	52
142	Two-dimensional maps in soft immobilized pH gradient gels: A new approach to the proteome of the Third Millennium. <i>Electrophoresis</i> , 2002, 23, 292-297.	1.3	52
143	A new deuterated alkylating agent for quantitative proteomics. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2380-2386.	0.7	52
144	Performance of Combinatorial Peptide Libraries in Capturing the Low-Abundance Proteome of Red Blood Cells. 1. Behavior of Mono- to Hexapeptides. <i>Analytical Chemistry</i> , 2008, 80, 3547-3556.	3.2	52

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145	Titration curves of interacting cytochrome b5 and hemoglobin by isoelectric focusing-electrophoresis. <i>Biochemical and Biophysical Research Communications</i> , 1978, 85, 1575-1581.	1.0	51
146	Quantitative analysis of two-dimensional gel-separated proteins using isotopically marked alkylating agents and matrix-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1692-1698.	0.7	51
147	Isoelectric focusing in immobilized pH gradients in the pH 10–11 range. <i>Journal of Proteomics</i> , 1987, 15, 41-48.	2.4	50
148	Proteomic analysis of pancreatic ductal carcinoma cells treated with 5-aza-2'-deoxycytidine. <i>Electrophoresis</i> , 2003, 24, 4291-4303.	1.3	50
149	Carrier ampholytes for IEF, on their fortieth anniversary (1967–2007), brought to trial in court: The verdict. <i>Electrophoresis</i> , 2007, 28, 3799-3810.	1.3	50
150	Method for Noninvasive Analysis of Proteins and Small Molecules from Ancient Objects. <i>Analytical Chemistry</i> , 2017, 89, 3310-3317.	3.2	50
151	Isoelectric focusing as a puzzle. <i>Journal of Chromatography A</i> , 1977, 137, 171-181.	1.8	49
152	New polyacrylamide matrices for drift-free isoelectric focusing. <i>Journal of Proteomics</i> , 1982, 6, 1-15.	2.4	49
153	Electroosmosis of polymer solutions in fused silica capillaries. <i>Electrophoresis</i> , 1994, 15, 623-626.	1.3	49
154	Capillary electrophoresis of DNA for molecular diagnostics. <i>Electrophoresis</i> , 1997, 18, 1709-1714.	1.3	49
155	Modified silver staining for immobilized pH gradients. <i>Electrophoresis</i> , 1992, 13, 264-266.	1.3	48
156	Quantitation of glycosylated hemoglobins in human adult blood by capillary isoelectric focusing. <i>Electrophoresis</i> , 1996, 17, 1590-1596.	1.3	48
157	Recent Advances in Capillary Electrophoresis of DNA Fragments and PCR Products in Poly(N-substituted Acrylamides). <i>Analytical Biochemistry</i> , 1997, 244, 195-207.	1.1	48
158	DNA and buffers: The hidden danger of complex formation. <i>Biopolymers</i> , 2000, 54, 137-142.	1.2	48
159	Monitoring 2-D gel-induced modifications of proteins by MALDI-TOF mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2001, 20, 121-141.	2.8	48
160	Application of partial least squares discriminant analysis and variable selection procedures: a 2D-PAGE proteomic study. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1327-1342.	1.9	48
161	Unsteady heat transfer in capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1992, 606, 95-102.	1.8	47
162	Proteomic Analysis of Erythrocyte Membranes by Soft Immobilized Gels Combined with Differential Protein Extraction. <i>Journal of Proteome Research</i> , 2005, 4, 1304-1309.	1.8	47

#	ARTICLE	IF	CITATIONS
163	High throughput analysis of tryptophan metabolites in a complex matrix using capillary electrophoresis coupled to time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1159, 154-158.	1.8	47
164	Serum fractionation on immobilized pH gradients with one- and two-dimensional techniques. <i>Electrophoresis</i> , 1984, 5, 209-216.	1.3	46
165	Amphoteric, isoelectric immobiline membranes for preparative isoelectric focusing. <i>Journal of Proteomics</i> , 1987, 14, 29-43.	2.4	46
166	Electrophoresis gel media: the state of the art. <i>Biomedical Applications</i> , 1997, 699, 63-75.	1.7	46
167	Two-dimensional gel electrophoresis/matrix-assisted laser desorption/ionisation mass spectrometry of a milk powder. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1889-1897.	0.7	46
168	Spot overlapping in two-dimensional polyacrylamide gel electrophoresis separations: A statistical study of complex protein maps. <i>Electrophoresis</i> , 2002, 23, 283-291.	1.3	46
169	On the pH dependence of polymerization efficiency, as investigated by capillary zone electrophoresis. <i>Electrophoresis</i> , 1993, 14, 554-558.	1.3	45
170	Capillary electrophoresis instrumentation as a bench-top viscometer. <i>Journal of Chromatography A</i> , 1994, 659, 199-204.	1.8	45
171	Temperature-Programmed Capillary Electrophoresis for Detection of DNA Point Mutations. <i>BioTechniques</i> , 1996, 21, 926-932.	0.8	45
172	Determination of cow's milk in non-bovine and mixed cheeses by capillary electrophoresis of whey proteins in acidic isoelectric buffers. <i>Journal of Chromatography A</i> , 2000, 878, 261-271.	1.8	45
173	Quantitation of protein binding to the capillary wall in acidic, isoelectric buffers and means for minimizing the phenomenon. <i>Journal of Chromatography A</i> , 2000, 894, 273-280.	1.8	45
174	Popeye strikes again: The deep proteome of spinach leaves. <i>Journal of Proteomics</i> , 2011, 74, 127-136.	1.2	45
175	Molarity and ionic strength of focused carrier ampholytes in isoelectric focusing. <i>Journal of Chromatography A</i> , 1980, 190, 275-282.	1.8	44
176	Protein precipitation induced by alkaline Immobilines for isoelectric focusing in immobilized pH gradients: Causes and remedies. <i>Electrophoresis</i> , 1987, 8, 305-312.	1.3	44
177	Unsteady heat transfer in capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1992, 606, 103-111.	1.8	44
178	Macroporous gels: facts and misfacts. <i>Journal of Chromatography A</i> , 1995, 698, 3-17.	1.8	44
179	Protein alkylation by acrylamide, its N-substituted derivatives and cross-linkers and its relevance to proteomics: A matrix assisted laser desorption/ionization-time of flight-mass spectrometry study. <i>Electrophoresis</i> , 2001, 22, 1633-1644.	1.3	44
180	From hundreds to thousands: Widening the normal human Urinome. <i>Data in Brief</i> , 2014, 1, 25-28.	0.5	44

#	ARTICLE	IF	CITATIONS
181	Stable storage conditions of immobiline chemicals for isoelectric focusing. <i>Journal of Proteomics</i> , 1988, 16, 141-164.	2.4	43
182	Real and imaginary artefacts in proteome analysis via two-dimensional maps. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 841, 14-22.	1.2	43
183	Rapid capillary electrophoresis time-of-flight mass spectrometry separations of peptides and proteins using a monoquaternarized piperazine compound (M7C4I) for capillary coatings. <i>Electrophoresis</i> , 2008, 29, 1619-1625.	1.3	43
184	From hundreds to thousands: Widening the normal human Urinome (1). <i>Journal of Proteomics</i> , 2015, 112, 53-62.	1.2	43
185	Hemoglobin A1C separation by isoelectric focusing. <i>American Journal of Hematology</i> , 1978, 4, 367-374.	2.0	42
186	Modern aspects of isoelectric focusing: Two-dimensional maps and immobilized pH gradients. <i>Journal of Proteomics</i> , 1983, 8, 89-108.	2.4	42
187	Fractionation techniques in a hydro-organic environment. <i>Analytical Biochemistry</i> , 1984, 137, 420-428.	1.1	42
188	Sodium dodecyl sulfate capillary electrophoresis of proteins in entangled solutions of poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	1.8	42
189	Novel acrylamido monomers with higher hydrophilicity and improved hydrolytic stability: III. DNA separations by capillary electrophoresis in poly(N-acryloylaminopropanol). <i>Electrophoresis</i> , 1996, 17, 738-743.	1.3	42
190	Spot overlapping in two-dimensional polyacrylamide gel electrophoresis maps: Relevance to proteomics. <i>Electrophoresis</i> , 2003, 24, 217-224.	1.3	42
191	Exploring the venom proteome of the African puff adder, <i>Bitis arietans</i> , using a combinatorial peptide ligand library approach at different pHs. <i>Journal of Proteomics</i> , 2010, 73, 932-942.	1.2	42
192	Combinatorial peptide ligand libraries: The conquest of the "hidden proteome"™ advances at great strides. <i>Electrophoresis</i> , 2011, 32, 960-966.	1.3	42
193	In-depth proteomic analysis of banana (<i>Musa</i> spp.) fruit with combinatorial peptide ligand libraries. <i>Electrophoresis</i> , 2013, 34, 207-214.	1.3	42
194	On the reproducibility of band position in electrophoretic separations. <i>Electrophoresis</i> , 1986, 7, 76-83.	1.3	41
195	Fundamental properties of isoelectric buffers for capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1997, 790, 169-176.	1.8	41
196	Art-loving bugs: The resurrection of Spinello Aretino from Pisa's cemetery. <i>Proteomics</i> , 2005, 5, 2453-2459.	1.3	41
197	Plucking, pillaging and plundering proteomes with combinatorial peptide ligand libraries. <i>Journal of Chromatography A</i> , 2010, 1217, 893-900.	1.8	41
198	In-depth proteomic analysis of non-alcoholic beverages with peptide ligand libraries. I: Almond milk and orgeat syrup. <i>Journal of Proteomics</i> , 2011, 74, 1080-1090.	1.2	41

#	ARTICLE	IF	CITATIONS
199	Protein biomarkers for early detection of diseases: The decisive contribution of combinatorial peptide ligand libraries. <i>Journal of Proteomics</i> , 2018, 188, 1-14.	1.2	41
200	Aggregation of ampholine on heparin and other acidic polysaccharides in isoelectric focusing. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1978, 542, 232-244.	1.1	40
201	Isoelectric focusing of dansylated amino acids in immobilized pH gradients. <i>Electrophoresis</i> , 1986, 7, 128-133.	1.3	40
202	New types of separation matrices for electrophoresis. <i>Electrophoresis</i> , 1995, 16, 1815-1829.	1.3	40
203	Probing soft polymeric coatings of a capillary by atomic force microscopy. <i>Biomedical Applications</i> , 1996, 683, 3-13.	1.7	40
204	Bioanalysis: Its past, present, and some future. <i>Electrophoresis</i> , 2004, 25, 2111-2127.	1.3	40
205	Performance of Combinatorial Peptide Libraries in Capturing the Low-Abundance Proteome of Red Blood Cells. 2. Behavior of Resins Containing Individual Amino Acids. <i>Analytical Chemistry</i> , 2008, 80, 3557-3565.	3.2	40
206	Poppea's bath liquor: The secret proteome of she-donkey's milk. <i>Journal of Proteomics</i> , 2011, 74, 2083-2099.	1.2	40
207	Binding of polyanions to carrier ampholytes in isoelectric focusing. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1978, 540, 357-364.	1.1	39
208	Solubilization of plasma membranes in anionic, non-ionic and zwitterionic surfactants for iso-dalt analysis: a critical evaluation. <i>Journal of Chromatography A</i> , 1984, 299, 57-72.	1.8	39
209	Resolution of G β and A β foetal haemoglobin tetramers in immobilized pH gradients. <i>Journal of Chromatography A</i> , 1987, 398, 211-216.	1.8	39
210	Purification of recombinant human growth hormone by isoelectric focusing in a multicompartement electrolyzer with immobiline membranes. <i>Journal of Biotechnology</i> , 1992, 25, 307-318.	1.9	39
211	Investigation of the properties of novel acrylamido monomers by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1992, 608, 333-341.	1.8	39
212	Isoelectric focusing in immobilized pH gradients: an update. <i>Biomedical Applications</i> , 1997, 699, 77-89.	1.7	39
213	Protein purification in multicompartement electrolyzers with isoelectric membranes. <i>Biomedical Applications</i> , 1997, 699, 105-115.	1.7	39
214	Proteomic profiling of pancreatic ductal carcinoma cell lines treated with trichostatin-A. <i>Electrophoresis</i> , 2003, 24, 1871-1878.	1.3	39
215	Application of Three-Way Principal Component Analysis to the Evaluation of Two-Dimensional Maps in Proteomics. <i>Journal of Proteome Research</i> , 2003, 2, 351-360.	1.8	39
216	Titration curves of liganded hemoglobins by combined isoelectric focusing-electrophoresis. <i>FEBS Letters</i> , 1978, 94, 319-323.	1.3	38

#	ARTICLE	IF	CITATIONS
217	TheAlpher, Bethe, Gamow of isoelectric focusing, the alpha-Centauri of electrokinetic methodologies. Part I. Electrophoresis, 2006, 27, 923-938.	1.3	38
218	Capillary electrophoresis coupled to biosensor detection. Journal of Chromatography A, 2000, 892, 143-153.	1.8	37
219	Isoelectric Focusing in Immobilized pH Gradients: Theory and Newer Methodology. Methods of Biochemical Analysis, 2006, 32, 215-278.	0.2	37
220	Synergistic effect of trichostatin A and 5-azacytidine on growth inhibition of pancreatic endocrine tumour cell lines: A proteomic study. Proteomics, 2009, 9, 1952-1966.	1.3	37
221	Mehercules, adhuc Bacchus! The Debate on Wine Proteomics Continues. Journal of Proteome Research, 2011, 10, 3789-3801.	1.8	37
222	Identification of avocado (<i>Persea americana</i>) pulp proteins by nano-LC-MS/MS via combinatorial peptide ligand libraries. Electrophoresis, 2012, 33, 2799-2805.	1.3	37
223	Prediction of current-voltage dependence and electrochemical calibration for capillary zone electrophoresis. Journal of Chromatography A, 1992, 625, 323-330.	1.8	36
224	Computer simulation for capillary zone electrophoresis A quantitative approach. Journal of Chromatography A, 1994, 667, 257-270.	1.8	36
225	Comparison of behavior of N-substituted acrylamides and celluloses on double-stranded DNA separations by capillary electrophoresis at 25°C and 60°C. Electrophoresis, 1996, 17, 1342-1347.	1.3	36
226	Identification of maize lines via capillary electrophoresis of zeins in isoelectric, acidic buffers. Electrophoresis, 1998, 19, 1738-1741.	1.3	36
227	Searching for markers of Creutzfeldt-Jakob disease in cerebrospinal fluid by two-dimensional mapping. Proteomics, 2006, 6, S256-S261.	1.3	36
228	Binding of Ampholine to transfer RNA. Nucleic Acids and Protein Synthesis, 1976, 442, 309-315.	1.7	35
229	Focusing of pepsin in strongly acidic immobilized pH gradients. Journal of Proteomics, 1988, 16, 185-192.	2.4	35
230	Protein Analysis by Capillary Zone Electrophoresis Utilizing a Trifunctional Diamine for Silica Coating. Analytical Chemistry, 2001, 73, 3862-3868.	3.2	35
231	Proteome analysis of rat polymorphonuclear leukocytes: A two-dimensional electrophoresis/ mass spectrometry approach. Electrophoresis, 2002, 23, 298-310.	1.3	35
232	Two-dimensional molecular profiling of mantle cell lymphoma. Electrophoresis, 2003, 24, 2376-2385.	1.3	35
233	Surfing silica surfaces superciliously. Journal of Chromatography A, 2004, 1053, 15-26.	1.8	35
234	Multivariate statistical tools applied to the characterization of the proteomic profiles of two human lymphoma cell lines by two-dimensional gel electrophoresis. Electrophoresis, 2006, 27, 484-494.	1.3	35

#	ARTICLE	IF	CITATIONS
235	The egg white and yolk interactomes as gleaned from extensive proteomic data. <i>Journal of Proteomics</i> , 2010, 73, 1028-1042.	1.2	35
236	The Silk Road, Marco Polo, a bible and its proteome: A detective story. <i>Journal of Proteomics</i> , 2012, 75, 3365-3373.	1.2	35
237	Isoelectric focusing of sparingly soluble proteins in immobilized pH gradients, exemplified by microvillar membrane hydrolases. <i>Journal of Proteomics</i> , 1986, 12, 289-297.	2.4	34
238	Capillary zone electrophoresis of polymerase chain reaction-amplified DNA fragments in polymer networks: The case of GATT microsatellites in cystic fibrosis. <i>Electrophoresis</i> , 1994, 15, 640-643.	1.3	34
239	Continuous Enzymatic Hydrolysis of \hat{I}^2 -Casein and Isoelectric Collection of Some of the Biologically Active Peptides in an Electric Field. <i>Biotechnology Progress</i> , 1997, 13, 258-264.	1.3	34
240	Generation of tryptic maps of \hat{I}^{\pm} - and \hat{I}^2 -globin chains by capillary electrophoresis in isoelectric buffers. <i>Journal of Chromatography A</i> , 1997, 791, 313-322.	1.8	34
241	Proteomic analysis of pancreatic endocrine tumor cell lines treated with the histone deacetylase inhibitor trichostatin A. <i>Proteomics</i> , 2007, 7, 1644-1653.	1.3	34
242	Harry Belafonte and the secret proteome of coconut milk. <i>Journal of Proteomics</i> , 2012, 75, 914-920.	1.2	34
243	Ampholine-ampholine interaction as a cause of pH gradient drift in isoelectric focusing. <i>Journal of Chromatography A</i> , 1979, 171, 161-169.	1.8	33
244	Determination of cow's milk and ripening time in nonbovine cheese by capillary electrophoresis of the ethanol-water protein fraction. <i>Electrophoresis</i> , 2000, 21, 633-640.	1.3	33
245	Monitoring Equilibria and Kinetics of Protein Folding/Unfolding Reactions by Capillary Zone Electrophoresis. <i>Analytical Biochemistry</i> , 2000, 282, 239-244.	1.1	33
246	Proteomineering or not? The debate on biomarker discovery in sera continues. <i>Journal of Proteomics</i> , 2011, 74, 589-594.	1.2	33
247	Allergomic study of cypress pollen via combinatorial peptide ligand libraries. <i>Journal of Proteomics</i> , 2012, 77, 101-110.	1.2	33
248	Identification of olive (<i>Olea europaea</i>) seed and pulp proteins by nLC-MS/MS via combinatorial peptide ligand libraries. <i>Journal of Proteomics</i> , 2012, 75, 2396-2403.	1.2	33
249	The peel and pulp of mango fruit: A proteomic samba. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 2539-2545.	1.1	33
250	Analysis of Antisense Oligonucleotides by Capillary Electrophoresis, Gel-Slab Electrophoresis, and HPLC: A Comparison. <i>Oligonucleotides</i> , 1996, 6, 47-53.	4.4	32
251	Assessment of protein expression by means of 2-D gel electrophoresis with and without mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2003, 22, 272-284.	2.8	32
252	Capturing and amplifying impurities from purified recombinant monoclonal antibodies via peptide library beads: A proteomic study. <i>Proteomics</i> , 2007, 7, 1624-1633.	1.3	32

#	ARTICLE	IF	CITATIONS
253	Isoelectric focusing of oligopeptides: Detections by specific stains. <i>Journal of Proteomics</i> , 1979, 1, 237-251.	2.4	31
254	Long-term storage of free and polyacrylamide gel-bound Immobiline chemicals. <i>Electrophoresis</i> , 1985, 6, 162-170.	1.3	31
255	Isoelectric focusing in immobilized pH gradients. <i>Analytical Chemistry</i> , 1989, 61, 1602-1612.	3.2	31
256	Isoelectric focusing of histones in extremely alkaline immobilized pH gradients: comparison with capillary electrophoresis. <i>Journal of Chromatography A</i> , 1994, 686, 121-128.	1.8	31
257	Variety identification in maize lines via capillary electrophoresis of zeins in isoelectric acidic buffers. <i>Electrophoresis</i> , 1999, 20, 1595-1604.	1.3	31
258	Probing the reactivity of S-S bridges to acrylamide in some proteins under high pH conditions by matrix-assisted laser desorption/ionisation. , 1999, 13, 1818-1827.		31
259	Matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry for monitoring alkylation of β -lactoglobulin B exposed to a series of N-substituted acrylamide monomers. , 1999, 13, 2209-2215.		31
260	γ -Iodoalkylammonium salts as permanent capillary silica wall modifiers. <i>Journal of Chromatography A</i> , 2001, 924, 71-81.	1.8	31
261	The Proteome: Anno Domini 2002. <i>Clinical Chemistry and Laboratory Medicine</i> , 2003, 41, 425-38.	1.4	31
262	Unearthing Bulgakov's trace proteome from the Master i Margarita manuscript. <i>Journal of Proteomics</i> , 2017, 152, 102-108.	1.2	31
263	Towards the non-invasive proteomic analysis of cultural heritage objects. <i>Microchemical Journal</i> , 2018, 139, 450-457.	2.3	31
264	Recipe for a pH 3-4 immobilized gradient for isoelectric focusing. <i>Journal of Chromatography A</i> , 1986, 356, 9-14.	1.8	30
265	A horizontal apparatus for isoelectric protein purification in a segmented immobilized pH gradient. <i>Journal of Proteomics</i> , 1987, 15, 189-198.	2.4	30
266	Additives for immobilized pH gradient two-dimensional separation of particulate material: Comparison between commercial and new synthetic detergents. <i>Analytical Biochemistry</i> , 1987, 165, 247-257.	1.1	30
267	Buffer systems and pH gradient simulation. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1987, 1, 349-358.	1.8	30
268	Purification to single isoforms of a secreted epidermal growth factor receptor in a multicompartement electrolyzer with isoelectric membranes. <i>Electrophoresis</i> , 1992, 13, 668-673.	1.3	30
269	Focusing of alkaline proteases (subtilisins) in pH 10-12 immobilized gradients. <i>Electrophoresis</i> , 1994, 15, 1535-1540.	1.3	30
270	Capillary electrophoresis of polymerase chain reaction-amplified products in polymer networks: The case of Kennedy's disease. <i>Electrophoresis</i> , 1994, 15, 644-646.	1.3	30

#	ARTICLE	IF	CITATIONS
271	Capillary zone electrophoresis of oligonucleotides in isoelectric buffers and against a stationary pH gradient. <i>Electrophoresis</i> , 1997, 18, 717-723.	1.3	30
272	Detection of p53 point mutations by double-gradient, denaturing gradient gel electrophoresis. <i>Electrophoresis</i> , 1997, 18, 2921-2927.	1.3	30
273	Orange proteomic fingerprinting: From fruit to commercial juices. <i>Food Chemistry</i> , 2016, 196, 739-749.	4.2	30
274	Of mice and men: Traces of life in the death registries of the 1630 plague in Milano. <i>Journal of Proteomics</i> , 2018, 180, 128-137.	1.2	30
275	Computer-assisted determination of the inner temperature and peak correction for capillary electrophoresis. <i>Journal of Chromatography A</i> , 1993, 652, 329-336.	1.8	29
276	Purification of human recombinant superoxide dismutase by isoelectric focusing in a multicompartiment electrolyzer with zwitterionic membranes. <i>Electrophoresis</i> , 1994, 15, 647-653.	1.3	29
277	Gene dosage in capillary electrophoresis: Pre-natal diagnosis of Down's syndrome. <i>Journal of Chromatography A</i> , 1995, 718, 405-412.	1.8	29
278	Production of D-phenylglycine from racemic (D,L)-phenylglycine via isoelectrically-trapped penicillin G acylase. , 1998, 60, 454-461.		29
279	Protein folding observed by capillary electrophoresis in isoelectric buffers. <i>Journal of Chromatography A</i> , 1999, 838, 131-138.	1.8	29
280	Capillary electrophoresis of peptides and proteins in acidic, isoelectric buffers: recent developments. <i>Journal of Proteomics</i> , 1999, 40, 1-15.	2.4	29
281	The behavior of serum albumin upon isoelectric focusing on immobilized pH gradients. <i>Electrophoresis</i> , 1984, 5, 310-312.	1.3	28
282	HydroLink™ gel electrophoresis (HLGE). I. Matrix characterization. <i>Journal of Proteomics</i> , 1989, 19, 37-49.	2.4	28
283	Recent developments in electrophoretic methods. <i>Journal of Chromatography A</i> , 1990, 516, 3-22.	1.8	28
284	The Immobiline family: From "vacuum" to "plenum" chemistry. <i>Electrophoresis</i> , 1992, 13, 187-191.	1.3	28
285	Steady-state two-dimensional maps of very alkaline proteins in an immobilized pH 10-12 gradient, as exemplified by histone types. <i>Journal of Proteomics</i> , 1996, 31, 81-91.	2.4	28
286	Method for measuring very weak, residual electroosmotic flow in coated capillaries. <i>Journal of Chromatography A</i> , 1996, 744, 55-61.	1.8	28
287	Fish species identification by isoelectric focusing of parvalbumins in immobilized pH gradients. <i>Electrophoresis</i> , 1996, 17, 1380-1385.	1.3	28
288	Electrophoresis of DNA sequencing fragments at elevated temperature in capillaries filled with poly(N-acryloylaminopropanol) gels. <i>Electrophoresis</i> , 1997, 18, 2909-2914.	1.3	28

#	ARTICLE	IF	CITATIONS
289	Separation of peptides in isoelectric cysteic acid buffer and hydro-organic solvents (hexafluoro-2-propanol-urea). <i>Journal of Chromatography A</i> , 1999, 840, 117-129.	1.8	28
290	General experimental aspects of the use of isoelectric buffers in capillary electrophoresis. <i>Journal of Chromatography A</i> , 1999, 853, 71-82.	1.8	28
291	A new approach for the removal of protein impurities from purified biologicals using combinatorial solid-phase ligand libraries. <i>Electrophoresis</i> , 2006, 27, 3018-3027.	1.3	28
292	Zeus, Aesculapius, Amalthea and the proteome of goat milk. <i>Journal of Proteomics</i> , 2015, 128, 69-82.	1.2	28
293	Combinatorial Peptide Ligand Libraries as a "Trojan Horse" in Deep Discovery Proteomics. <i>Analytical Chemistry</i> , 2015, 87, 293-305.	3.2	28
294	Isoelectric focusing of basic proteases in immobilized pH gradients. <i>Journal of Proteomics</i> , 1987, 15, 199-206.	2.4	27
295	Enantiomer resolution in immobilized pH gradient gels via inclusion of a chiral discriminator. <i>Electrophoresis</i> , 1990, 11, 1-4.	1.3	27
296	Immobilized pH gradients (IPG) simulator-an additional step in pH gradient engineering: I. Linear pH gradients. <i>Electrophoresis</i> , 1991, 12, 1011-1021.	1.3	27
297	New approach based on fuzzy logic and principal component analysis for the classification of two-dimensional maps in health and disease. <i>Journal of Chromatography A</i> , 2003, 1004, 13-28.	1.8	27
298	"Cheek-to-cheek" urinary proteome profiling via combinatorial peptide ligand libraries: A novel, unexpected elution system. <i>Journal of Proteomics</i> , 2012, 75, 796-805.	1.2	27
299	Applications of isoelectric focusing to the analysis of plant and food proteins. <i>Electrophoresis</i> , 1981, 2, 65-75.	1.3	26
300	Fractionation techniques in a hydro-organic environment. <i>Analytical Biochemistry</i> , 1984, 137, 410-419.	1.1	26
301	Immobilized pH gradients (IPG) simulator - an additional step in pH gradient engineering: II. Nonlinear pH gradients. <i>Electrophoresis</i> , 1991, 12, 1021-1027.	1.3	26
302	Probing the inner surface of a capillary with the atomic force microscope. <i>Electrophoresis</i> , 1995, 16, 1445-1450.	1.3	26
303	Detection of traces of a trisulphide derivative in the preparation of a recombinant truncated interleukin-6 mutein. <i>Journal of Chromatography A</i> , 1995, 709, 135-146.	1.8	26
304	Use of MDL 63246 (Hepta-Tyr) antibiotic in capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1999, 838, 223-235.	1.8	26
305	Global proteome analysis in plants by means of peptide libraries and applications. <i>Journal of Proteomics</i> , 2016, 143, 3-14.	1.2	26
306	Affinity titration curves Determination of dissociation constants of lectin-sugar complexes and of their pH-dependence by isoelectric focusing electrophoresis. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1980, 626, 356-365.	1.7	25

#	ARTICLE	IF	CITATIONS
307	Iodine stain for detection of peptides after isoelectric focusing. <i>Journal of Proteomics</i> , 1980, 3, 135-141.	2.4	25
308	pH gradients generated by polyprotic buffers. I. Theory and computer simulation. <i>Journal of Proteomics</i> , 1988, 16, 109-128.	2.4	25
309	pH gradients generated by polyprotic buffers. II. Experimental validation. <i>Journal of Proteomics</i> , 1988, 16, 129-140.	2.4	25
310	Conventional isoelectric focusing and immobilized pH gradients in μ -macroporous TM polyacrylamide gels. <i>Electrophoresis</i> , 1993, 14, 583-590.	1.3	25
311	DNA-histidine complex formation in isoelectric histidine buffers. <i>Journal of Chromatography A</i> , 1999, 838, 179-189.	1.8	25
312	The use of gel and capillary electrophoresis to investigate some of the fundamental physical properties of DNA. <i>Electrophoresis</i> , 2002, 23, 167-175.	1.3	25
313	Efficient removal of DNA from proteomic samples prior to two-dimensional map analysis. <i>Journal of Chromatography A</i> , 2009, 1216, 3606-3612.	1.8	25
314	Recent advances in electrophoretic techniques for the characterization of protein biomolecules: A poker of aces. <i>Journal of Chromatography A</i> , 2011, 1218, 8727-8737.	1.8	25
315	Novel low-abundance allergens from mango via combinatorial peptide libraries treatment: A proteomics study. <i>Food Chemistry</i> , 2018, 269, 652-660.	4.2	25
316	Titration curves of polypeptide chains by combined isoelectric focusing-electrophoresis in 8 M urea. <i>Journal of Chromatography A</i> , 1979, 177, 219-225.	1.8	24
317	Human globin chain separation by capillary electrophoresis in acidic isoelectric buffers. <i>Electrophoresis</i> , 1998, 19, 1733-1737.	1.3	24
318	Rapid capillary zone electrophoresis in isoelectric histidine buffer: high resolution of the poly-T tract allelic variants in intron 8 of the CFTR gene. <i>Clinical Chemistry</i> , 1998, 44, 906-913.	1.5	24
319	Capillary electrophoresis of DNA in the 20-500 bp range: recent developments. <i>Journal of Proteomics</i> , 1999, 41, 75-90.	2.4	24
320	Mass distribution and focusing properties of carrier ampholytes for isoelectric focusing: I. Novel and unexpected results. <i>Electrophoresis</i> , 2006, 27, 3919-3934.	1.3	24
321	"The quest for biomarkers": Are we on the right technical track?. <i>Proteomics - Clinical Applications</i> , 2012, 6, 22-41.	0.8	24
322	Itaconic acid carrier ampholytes for isoelectric focusing. <i>Journal of Chromatography A</i> , 1977, 134, 279-284.	1.8	23
323	On the efficiency of methylene blue versus persulfate catalysis of polyacrylamide gels, as investigated by capillary zone electrophoresis. <i>Electrophoresis</i> , 1993, 14, 997-1003.	1.3	23
324	Detection of neutral and charged mutations in β^+ - and β^2 -human globin chains by capillary zone electrophoresis in isoelectric, acidic buffers. <i>Journal of Chromatography A</i> , 1999, 832, 225-238.	1.8	23

#	ARTICLE	IF	CITATIONS
325	Proteomic Analysis of Pancreatic Ductal Carcinoma Cells after Combined Treatment with Gemcitabine and Trichostatin A. <i>Journal of Proteome Research</i> , 2005, 4, 1909-1916.	1.8	23
326	SDS-PAGE under Focusing Conditions: An Electrokinetic Transport Phenomenon Based on Charge Neutralization. <i>Analytical Chemistry</i> , 2007, 79, 821-827.	3.2	23
327	It's time to pop a cork on champagne's proteome!. <i>Journal of Proteomics</i> , 2014, 105, 351-362.	1.2	23
328	Human globin chain separation by isoelectric focusing in ultrathin polyacrylamide gels. <i>Clinica Chimica Acta</i> , 1980, 107, 223-229.	0.5	22
329	High-molecular-weight carrier ampholytes for isoelectric focusing of peptides. <i>Journal of Proteomics</i> , 1981, 5, 259-272.	2.4	22
330	Immobilized pH gradients for isoelectric focusing: Interaction between histones and histone-like proteins with the charged polyacrylamide matrix. <i>Electrophoresis</i> , 1983, 4, 393-398.	1.3	22
331	Preparative isoelectric focusing in multicompartement electrolyzers: Novel, hydrolytically stable and hydrophilic isoelectric membranes. <i>Electrophoresis</i> , 1994, 15, 953-959.	1.3	22
332	Is gravity on our way? The case of polyacrylamide gel polymerization. <i>Electrophoresis</i> , 1994, 15, 1005-1013.	1.3	22
333	Gel polymerization in detergents: Conversion efficiency of methylene blue, persulfate catalysis, as investigated by capillary zone electrophoresis. <i>Electrophoresis</i> , 1994, 15, 209-214.	1.3	22
334	Temperature-programmed capillary electrophoresis for the analysis of high-melting point mutants in thalassemias. <i>Electrophoresis</i> , 1997, 18, 724-731.	1.3	22
335	Validation of Double Gradient Denaturing Gradient Gel Electrophoresis through Multigenic Retrospective Analysis. <i>Clinical Chemistry</i> , 1999, 45, 35-40.	1.5	22
336	Single-strand conformation polymorphism analysis by capillary zone electrophoresis in neutral pH buffer. <i>Electrophoresis</i> , 2000, 21, 785-791.	1.3	22
337	Maestro, Marguerite, morphine: The last years in the life of Mikhail Bulgakov. <i>Journal of Proteomics</i> , 2016, 131, 199-204.	1.2	22
338	pH-MOBILITY CURVES OF PROTEINS BY ISOELECTRIC FOCUSING COMBINED WITH ELECTROPHORESIS AT RIGHT ANGLES. , 1980, , 23-38.		21
339	Isoelectric focusing followed by electrophoresis of protein for visualizing their titration curves by zymogram and immunofixation. <i>Journal of Proteomics</i> , 1980, 3, 65-75.	2.4	21
340	Reaction of lysine with aldoses. <i>Carbohydrate Research</i> , 1985, 145, 99-112.	1.1	21
341	Serum protein analysis on immobilized pH gradients within situ adsorption of albumin on Dextran Blue. <i>Electrophoresis</i> , 1985, 6, 326-331.	1.3	21
342	Synthesis of thiomorpholino buffers for isoelectric focusing in immobilized pH gradients. <i>Electrophoresis</i> , 1990, 11, 617-620.	1.3	21

#	ARTICLE	IF	CITATIONS
343	Isoelectric focusing in a multicompartement electrolyzer with zwitterionic membranes, exemplified by purification of glucoamylase. <i>Journal of Proteomics</i> , 1993, 27, 199-213.	2.4	21
344	Simultaneous detection of $\Delta F508$, G542X, N1303K and 1717-1G mutations in cystic fibrosis by capillary electrophoresis in polymer networks. <i>Clinica Chimica Acta</i> , 1994, 229, 181-189.	0.5	21
345	Fractionation of carrier ampholytes in multicompartement electrolyzers with isoelectric membranes. <i>Electrophoresis</i> , 1995, 16, 1930-1934.	1.3	21
346	Simplified mathematical model of irreversible sample adsorption in capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1997, 766, 171-185.	1.8	21
347	Analysis of clinically relevant, diagnostic DNA by capillary zone and double-gradient gel slab electrophoresis. <i>Journal of Chromatography A</i> , 1998, 806, 97-112.	1.8	21
348	Use of a Hepta-tyr glycopeptide antibiotic as chiral selector in capillary electrophoresis. <i>Electrophoresis</i> , 1998, 19, 1742-1751.	1.3	21
349	Proteomics and immunomapping of reactive lymph-node and lymphoma. <i>Electrophoresis</i> , 2002, 23, 356-362.	1.3	21
350	Mass distribution, polydispersity and focusing properties of carrier ampholytes for IEF. IV: pH intervals. <i>Electrophoresis</i> , 2007, 28, 1488-1494.	1.3	21
351	Going Nuts for Nuts? The Trace Proteome of a Cola Drink, as Detected via Combinatorial Peptide Ligand Libraries. <i>Journal of Proteome Research</i> , 2011, 10, 2684-2686.	1.8	21
352	Determination of protein-ligand dissociation constants of their pH dependence by combined isoelectric focusing-electrophoresis (titration curves): Binding of phosphorylases a and b to glycogen. <i>Electrophoresis</i> , 1980, 1, 137-140.	1.3	20
353	Molecular weight distribution of carrier ampholytes for isoelectric focusing. <i>Journal of Chromatography A</i> , 1981, 209, 265-272.	1.8	20
354	Determination of glycosylated haemoglobin by isoelectric focusing in non-linear pH gradients. <i>Biomedical Applications</i> , 1984, 307, 103-110.	1.7	20
355	Preparative isoelectric focusing in immobilized pH gradients IV. Recovery of proteins from Immobiline matrices into ion-exchange resins. <i>Electrophoresis</i> , 1985, 6, 59-69.	1.3	20
356	Which electrodic solutions for immobilized pH gradients?. <i>Journal of Proteomics</i> , 1986, 12, 227-237.	2.4	20
357	Formation of a cysteine-acrylamide adduct in isoelectric focusing gels. <i>Journal of Chromatography A</i> , 1990, 500, 697-704.	1.8	20
358	Kinetics of acrylamide photopolymerization as investigated by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1992, 598, 277-285.	1.8	20
359	Protein microheterogeneity and crystal habits: The case of epidermal growth factor receptor isoforms as isolated in a multicompartement electrolyzer with isoelectric membranes. <i>Journal of Chromatography A</i> , 1994, 679, 181-189.	1.8	20
360	Rh D/d genotyping by quantitative polymerase chain reaction and capillary zone electrophoresis. <i>Electrophoresis</i> , 1996, 17, 1911-1915.	1.3	20

#	ARTICLE	IF	CITATIONS
361	Separation of oligonucleotides of identical size, but different base composition, by free zone capillary electrophoresis in strongly acidic, isoelectric buffers. <i>Electrophoresis</i> , 1997, 18, 2915-2920.	1.3	20
362	Separation of double-stranded DNA in conventional and isoelectric buffers: studies on stability and separation performance. <i>Journal of Chromatography A</i> , 1999, 859, 87-98.	1.8	20
363	Single-strand conformation polymorphism for p53 mutation by a combination of neutral pH buffer and temperature gradient in capillary electrophoresis. <i>Electrophoresis</i> , 2002, 23, 1517.	1.3	20
364	Mechanism of action of quaternary diamino quenchers in capillary zone electrophoresis. <i>Electrophoresis</i> , 2003, 24, 121-129.	1.3	20
365	Proteomic analysis of anti-angiogenic effects by a combined treatment with vinblastine and rapamycin in an endothelial cell line. <i>Proteomics</i> , 2006, 6, 4420-4431.	1.3	20
366	Mass distribution, polydispersity and focusing properties of carrier ampholytes for IEF II: pH 4-6 intervals. <i>Electrophoresis</i> , 2006, 27, 4849-4858.	1.3	20
367	pI-based fractionation of serum proteomes versus anion exchange after enhancement of low-abundance proteins by means of peptide libraries. <i>Journal of Proteomics</i> , 2009, 72, 1061-1070.	1.2	20
368	The need for agriculture phenotyping: "Moving from genotype to phenotype". <i>Journal of Proteomics</i> , 2013, 93, 20-39.	1.2	20
369	Anton Chekhov and Robert Koch Cheek to Cheek: A Proteomic Study. <i>Proteomics</i> , 2018, 18, e1700447.	1.3	20
370	FACTS AND ARTEFACTS IN ISOELECTRIC FOCUSING. , 1980, , 129-140.		19
371	Analytical and preparative isoelectric focusing of peptides in immobilized pH gradients. <i>Journal of Proteomics</i> , 1983, 8, 339-351.	2.4	19
372	Gold staining in cellulose acetate membranes. <i>Clinica Chimica Acta</i> , 1986, 157, 167-174.	0.5	19
373	Urine analysis by two-dimensional gel electrophoresis with isoelectric focusing in immobilized pH gradients in the first dimension. <i>Electrophoresis</i> , 1986, 7, 435-438.	1.3	19
374	Polyacrylamide gel polymerization under non-oxidizing conditions, as monitored by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1992, 598, 287-297.	1.8	19
375	On the kinetics of photopolymerization: A theoretical study. <i>Electrophoresis</i> , 1993, 14, 191-201.	1.3	19
376	Capillary zone electrophoresis in polymer networks of polymerase chain reaction-amplified oligonucleotides: the case of congenital adrenal hyperplasia. <i>Biomedical Applications</i> , 1994, 657, 201-205.	1.7	19
377	New types of large-pore polyacrylamide-agarose mixed-bed matrices for DNA electrophoresis: Pore size estimation from Ferguson plots of DNA fragments. <i>Electrophoresis</i> , 1995, 16, 1337-1344.	1.3	19
378	Characterization of proteins by sequential isoelectric focusing on immobilized pH gradients and electrospray mass spectrometry. <i>Electrophoresis</i> , 1995, 16, 1381-1384.	1.3	19

#	ARTICLE	IF	CITATIONS
379	Artifactual Peak Splitting in Capillary Electrophoresis. 2. Defocusing Phenomena for Ampholytes. <i>Analytical Chemistry</i> , 1995, 67, 2957-2965.	3.2	19
380	Purification of thermamylase in multicompartement electrolyzers with isoelectric membranes: The problem of protein solubility. <i>Electrophoresis</i> , 1996, 17, 1242-1247.	1.3	19
381	Recent advances in capillary zone electrophoresis of DNA. <i>Forensic Science International</i> , 1998, 92, 239-250.	1.3	19
382	Decoding two-dimensional polyacrylamide gel electrophoresis complex maps by autocovariance function: A simplified approach useful for proteomics. <i>Electrophoresis</i> , 2005, 26, 2739-2748.	1.3	19
383	Proteomic approaches for studying chemoresistance in cancer. <i>Expert Review of Proteomics</i> , 2005, 2, 215-228.	1.3	19
384	En bloc elution of proteomes from combinatorial peptide ligand libraries. <i>Journal of Proteomics</i> , 2009, 72, 725-730.	1.2	19
385	In Depth Exploration of the Hemolymph of <i>Limulus polyphemus</i> via Combinatorial Peptide Ligand Libraries. <i>Journal of Proteome Research</i> , 2010, 9, 3260-3269.	1.8	19
386	Putting value in biomarker research and reporting. <i>Journal of Proteomics</i> , 2014, 96, A1-A3.	1.2	19
387	Distribution of carrier ampholytes in isoelectric focusing. <i>Journal of Chromatography A</i> , 1977, 138, 213-215.	1.8	18
388	Reaction of human serum albumin with aldoses. <i>Carbohydrate Research</i> , 1985, 145, 113-122.	1.1	18
389	Detection of neutral amino acid mutations by immobilized pH gradients: The case of the T ¹³ variant in fetal hemoglobin Sardinia. <i>Electrophoresis</i> , 1986, 7, 213-216.	1.3	18
390	Two-dimensional analysis of membrane proteins with isoelectric focusing in immobilized pH gradients in the first dimension. <i>Electrophoresis</i> , 1986, 7, 537-543.	1.3	18
391	Buffer isoelectric focusing revisited. <i>Journal of Chromatography A</i> , 1988, 440, 367-377.	1.8	18
392	Charge heterogeneity of recombinant pro-urokinase and urinary urokinase, as revealed by isoelectric focusing in immobilized pH gradients. <i>Journal of Chromatography A</i> , 1989, 470, 337-350.	1.8	18
393	Investigation of the properties of acrylamide bifunctional monomers (cross-linkers) by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1992, 608, 343-348.	1.8	18
394	CAG triplet analysis in families with androgen insensitivity syndrome by capillary electrophoresis in polymer networks. <i>Journal of Chromatography A</i> , 1995, 706, 463-468.	1.8	18
395	Purification of glycopeptide antibiotics by isoelectric focusing in multicompartement electrolyzers with Immobiline membranes. <i>Electrophoresis</i> , 1996, 17, 1234-1241.	1.3	18
396	Performance of a series of novel N-substituted acrylamides in capillary electrophoresis of DNA fragments. <i>Journal of Chromatography A</i> , 1996, 756, 255-261.	1.8	18

#	ARTICLE	IF	CITATIONS
397	Isotachopheresis at pH extremes: Theory and experimental validation. <i>Electrophoresis</i> , 1998, 19, 192-205.	1.3	18
398	Quasi-isoelectric buffers for protein analysis in a fast alternative to conventional capillary zone electrophoresis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 833, 19-25.	1.2	18
399	Mass distribution, polydispersity and focusing properties of carrier ampholytes for IEF. III: pH 2.5-4 intervals. <i>Electrophoresis</i> , 2007, 28, 715-723.	1.3	18
400	Cerebrospinal fluid biomarkers in clinically isolated syndromes and multiple sclerosis. <i>Proteomics - Clinical Applications</i> , 2007, 1, 963-971.	0.8	18
401	Combinatorial ligand libraries as a two-dimensional method for proteome analysis. <i>Journal of Chromatography A</i> , 2013, 1297, 106-112.	1.8	18
402	The secrets of Oriental panacea: Panax ginseng. <i>Journal of Proteomics</i> , 2016, 130, 150-159.	1.2	18
403	Leonardo's Donna Nuda unveiled. <i>Journal of Proteomics</i> , 2019, 207, 103450.	1.2	18
404	New experimental approaches to the isoelectric fractionation of cells. <i>Journal of Chromatography A</i> , 1980, 194, 323-333.	1.8	17
405	High-resolution two-dimensional electrophoresis of myofibrillar proteins with immobilized pH gradients. <i>Electrophoresis</i> , 1986, 7, 159-165.	1.3	17
406	Detection of electrophoretically silent mutations by immobilized pH gradients. <i>Journal of Chromatography A</i> , 1986, 361, 223-229.	1.8	17
407	Isoelectric protein purification in segmented immobilized pH gradients. Effect of salts on rat of contaminants' removal. <i>Journal of Proteomics</i> , 1987, 15, 177-187.	2.4	17
408	Carrier ampholyte-mediated oxidation of proteins in isoelectric focusing. <i>Journal of Chromatography A</i> , 1989, 475, 283-292.	1.8	17
409	Capillary zone electrophoresis for monitoring r-DNA protein purification in multi-compartment electrolyzers with immobilized membranes. <i>Journal of Chromatography A</i> , 1990, 516, 133-146.	1.8	17
410	Immobilized pH 2.5-11 gradients for two-dimensional electrophoresis. <i>Electrophoresis</i> , 1992, 13, 210-214.	1.3	17
411	Combined effects of non-linear electrophoresis and non-linear chromatography on concentration profiles in capillary electrophoresis. <i>Journal of Chromatography A</i> , 1995, 693, 113-130.	1.8	17
412	Non-isocratic capillary electrophoresis for detection of DNA point mutations. <i>Biomedical Applications</i> , 1997, 697, 195-205.	1.7	17
413	Isoelectrically trapped enzymatic bioreactors in a multimembrane cell coupled to an electric field: Theoretical modeling and experimental validation with urease. , 1997, 53, 110-119.		17
414	Computer simulation of affinity capillary electrophoresis. <i>Electrophoresis</i> , 2002, 23, 889-895.	1.3	17

#	ARTICLE	IF	CITATIONS
415	TheAlpher, Bethe andGamow of IEF, the alpha-Centaury of electrokinetic methodologies. Part II: Immobilized pH gradients. Electrophoresis, 2007, 28, 545-555.	1.3	17
416	Breakfast at Tiffany's? Only with a lowabundance proteomic signature!. Electrophoresis, 2012, 33, 2228-2239.	1.3	17
417	Combinatorial peptide libraries to overcome the classical affinity-enrichment methods in proteomics. Amino Acids, 2013, 45, 219-229.	1.2	17
418	A sarabande of tropical fruit proteomics: Avocado, banana, and mango. Proteomics, 2015, 15, 1639-1645.	1.3	17
419	Identification of plum and peach seed proteins by nLC-MS/MS via combinatorial peptide ligand libraries. Journal of Proteomics, 2016, 148, 105-112.	1.2	17
420	An in depth proteomic analysis based on ProteoMiner, affinity chromatography and nano-HPLCâ€“MS/MS to explain the potential health benefits of bovine colostrum. Journal of Pharmaceutical and Biomedical Analysis, 2016, 121, 297-306.	1.4	17
421	Isoelectric focusing in non-amphoteric buffers. Journal of Chromatography A, 1985, 334, 71-82.	1.8	16
422	Protein desalting by isoelectric focusing in a segmented immobilized pH gradient. Journal of Proteomics, 1987, 15, 163-176.	2.4	16
423	Removal of oligomers and n-mers from the immobiline chemicals for isoelectric focusing. Journal of Chromatography A, 1987, 402, 105-113.	1.8	16
424	Separation and quantitation of reverse transcriptase polymerase chain reaction fragments of basic fibroblast growth factor by capillary electrophoresis in polymer networks. Electrophoresis, 1995, 16, 780-783.	1.3	16
425	Dissociation of polyvalent electrolytes. Journal of Chromatography A, 1999, 853, 35-44.	1.8	16
426	Behaviour of inorganic and organic cations in the Debyeâ€“Hâ€“ckel layer of DNA. Journal of Chromatography A, 2001, 920, 309-316.	1.8	16
427	Proteomic changes in rat serum, polymorphonuclear and mononuclear leukocytes after chronic nicotine administration. Proteomics, 2005, 5, 1382-1394.	1.3	16
428	Isoelectric beads for proteome pre-fractionation. II: Experimental evaluation in a multicompartement electrolyzer. Proteomics, 2005, 5, 629-638.	1.3	16
429	An Nâ€“methylpolyvinylpyridinium cationic polymer for capillary coating in electrophoresis of proteins and peptides. Electrophoresis, 2009, 30, 2313-2320.	1.3	16
430	Artichoke and Cynar liqueur: Two (not quite) entangled proteomes. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 119-126.	1.1	16
431	Electrophoretic separation of AÎ³ and GÎ³ human globin chains in nonidet P-40. Clinica Chimica Acta, 1979, 99, 7-11.	0.5	15
432	Degradation kinetics of an alkaline Immobiline in the frozen state. Electrophoresis, 1986, 7, 527-529.	1.3	15

#	ARTICLE	IF	CITATIONS
433	Synthesis of a new acrylamido buffer (acryloylhistamine) for isoelectric focusing in immobilized pH gradients and its analysis by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1991, 558, 285-295.	1.8	15
434	[10] Isoelectric focusing in immobilized pH gradients. <i>Methods in Enzymology</i> , 1996, 270, 235-255.	0.4	15
435	Study of haptoglobin-hemoglobin complexes by titration curves, capillary electrophoresis and capillary isoelectric focusing. <i>Journal of Chromatography A</i> , 1997, 767, 255-262.	1.8	15
436	Piperazine quaternary diammonium salts as additives to background electrolytes in capillary zone electrophoresis. <i>Electrophoresis</i> , 2003, 24, 4189-4196.	1.3	15
437	Immobilized pH gradients. <i>Electrophoresis</i> , 2009, 30, S112-21.	1.3	15
438	Ginger Rogers? No, Ginger Ale and its invisible proteome. <i>Journal of Proteomics</i> , 2012, 75, 1960-1965.	1.2	15
439	Widening and Diversifying the Proteome Capture by Combinatorial Peptide Ligand Libraries via Alcian Blue Dye Binding. <i>Analytical Chemistry</i> , 2015, 87, 4814-4820.	3.2	15
440	Charge heterogeneity of human protein C revealed by isoelectric focusing in immobilized pH gradients. <i>Electrophoresis</i> , 1985, 6, 373-376.	1.3	14
441	Antenatal diagnosis of β^2 -thalassemia by isoelectric focusing in immobilized pH gradients. <i>American Journal of Hematology</i> , 1986, 22, 285-293.	2.0	14
442	Kinetics of cysteine oxidation in immobilized pH gradient gels. <i>Journal of Chromatography A</i> , 1990, 499, 699-711.	1.8	14
443	Two-dimensional maps in very acidic immobilized pH gradients. <i>Journal of Proteomics</i> , 1990, 20, 345-352.	2.4	14
444	Capillary electrophoresis of nicotinamide adenine dinucleotide and nicotinamide adenine dinucleotide phosphate derivatives in coated tubular columns. <i>Journal of Chromatography A</i> , 1994, 670, 215-221.	1.8	14
445	Tunable positive and negative surface charges on a capillary wall: exploiting the Immobiline chemistry. <i>Journal of Proteomics</i> , 1996, 32, 109-124.	2.4	14
446	Rapid detection of 21-hydroxylase deficiency mutations by allele-specific in vitro amplification and capillary zone electrophoresis. <i>Clinical Chemistry</i> , 1997, 43, 2121-2127.	1.5	14
447	Ampholyte dissociation theory and properties of ampholyte aqueous solutions. <i>Electrophoresis</i> , 1997, 18, 1944-1950.	1.3	14
448	SDS-PAGE Focusing: Preparative Aspects. <i>Analytical Chemistry</i> , 2007, 79, 8624-8630.	3.2	14
449	A proteomic approach for evaluating the cell response to a novel histone deacetylase inhibitor in colon cancer cells. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1702-1710.	1.1	14
450	Horam nonam exclamavit: sitio. The trace proteome of your daily vinegar. <i>Journal of Proteomics</i> , 2011, 75, 718-724.	1.2	14

#	ARTICLE	IF	CITATIONS
451	Lemon peel and Limoncello liqueur: A proteomic duet. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1484-1491.	1.1	14
452	Reproducibility of combinatorial peptide ligand libraries for proteome capture evaluated by selected reaction monitoring. <i>Journal of Proteomics</i> , 2013, 89, 215-226.	1.2	14
453	Polyphemus, Odysseus and the ovine milk proteome. <i>Journal of Proteomics</i> , 2017, 152, 58-74.	1.2	14
454	Progress in farm animal proteomics: The contribution of combinatorial peptide ligand libraries. <i>Journal of Proteomics</i> , 2019, 197, 1-13.	1.2	14
455	Preparative Isoelectric Focusing. <i>Separation and Purification Reviews</i> , 1975, 4, 23-72.	0.8	13
456	pK determinations via pH-mobility curves obtained by isoelectric focusing-electrophoresis: Theory and experimental verification. <i>Journal of Proteomics</i> , 1980, 3, 323-338.	2.4	13
457	Direct recovery of proteins into a free-liquid phase after preparative isoelectric focusing in immobilized pH gradients. <i>Journal of Proteomics</i> , 1986, 13, 151-159.	2.4	13
458	Diffusion coefficients of proteins in carrier ampholyte versus immobiline gels. <i>Journal of Chromatography A</i> , 1987, 390, 225-236.	1.8	13
459	Properties of thin-rod immobilized pH gradients. <i>Electrophoresis</i> , 1988, 9, 172-182.	1.3	13
460	Isoenzyme analysis of lichen algae in immobilized pH gradients. <i>Electrophoresis</i> , 1988, 9, 187-191.	1.3	13
461	Isoelectric focusing as the crow flies. <i>Journal of Proteomics</i> , 1988, 16, 99-110.	2.4	13
462	Towards new formulations for polyacrylamide matrices, as investigated by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1993, 638, 165-178.	1.8	13
463	Immobilized pH gradients: New pK values of acrylamido buffers in poly(N-acryloylaminoethoxyethanol) matrices. <i>Electrophoresis</i> , 1994, 15, 1112-1117.	1.3	13
464	Enzyme reactions in a multicompartement electrolyzer with isoelectrically trapped enzymes. <i>Journal of Proteomics</i> , 1996, 31, 93-104.	2.4	13
465	Investigation on minor degraded derivatives of the recombinant hirudin variant HM2 from <i>Hirudinaria manillensis</i> isolated by isoelectric focusing in multicompartement electrolyzers. <i>Electrophoresis</i> , 1996, 17, 932-937.	1.3	13
466	Alkylation power of free Immobiline chemicals towards proteins in isoelectric focusing and two-dimensional maps, as explored by matrix assisted laser desorption/ionization-time of flight-mass spectrometry. <i>Electrophoresis</i> , 2000, 21, 2911-2918.	1.3	13
467	Proteomics of fruits and beverages. <i>Current Opinion in Food Science</i> , 2015, 4, 76-85.	4.1	13
468	Negative aurodye for polyacrylamide gels: The impossible stain. <i>Electrophoresis</i> , 1985, 6, 367-372.	1.3	12

#	ARTICLE	IF	CITATIONS
469	Structure-stability relationship of Immobiline chemicals for isoelectric focusing as monitored by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1991, 548, 381-392.	1.8	12
470	Sample streaks and smears in immobilized pH gradient gels. <i>Electrophoresis</i> , 1996, 17, 704-708.	1.3	12
471	Properties of buffer systems with charges immobilized on a gel matrix and their potential use in capillary electrophoresis. <i>Journal of Chromatography A</i> , 1998, 799, 275-282.	1.8	12
472	Probing protein unfolding through monitoring cysteine alkylation by matrix-assisted laser desorption/ionisation mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1925-1931.	0.7	12
473	Investigating the reaction of a novel silica capillary coating compound with proteins/peptides by matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 210-216.	0.7	12
474	Amphoteric, buffering chromatographic beads for proteome prefractionation. I: Theoretical model. <i>Proteomics</i> , 2005, 5, 620-628.	1.3	12
475	“Proteomineering”-serum biomarkers. A Study in Scarlet. <i>Electrophoresis</i> , 2011, 32, 976-980.	1.3	12
476	Plasma proteomics for biomarker discovery: A study in blue. <i>Electrophoresis</i> , 2011, 32, 3638-3644.	1.3	12
477	Anyone for an aperitif? Yes, but only a Braulio DOC with its certified proteome. <i>Journal of Proteomics</i> , 2012, 75, 3374-3379.	1.2	12
478	A miniaturized sensor for detection of formaldehyde fumes. <i>Electrophoresis</i> , 2017, 38, 2168-2174.	1.3	12
479	Some optical properties of carrier ampholytes for isoelectric focusing. <i>Analytical Biochemistry</i> , 1975, 63, 423-432.	1.1	11
480	Coexistence of steady state and transient state in isoelectric focusing. <i>Journal of Chromatography A</i> , 1978, 166, 55-64.	1.8	11
481	Glycosylation of human albumin in diabetes mellitus: Extensive microheterogeneity of serum and urinary species as revealed by isoelectric focusing. <i>Electrophoresis</i> , 1984, 5, 217-222.	1.3	11
482	Two-dimensional maps in the most extended (pH 2.5-11) immobilized pH gradient interval. <i>Journal of Proteomics</i> , 1990, 21, 173-179.	2.4	11
483	On the computational approach to immobilized pH gradients. <i>Electrophoresis</i> , 1991, 12, 693-703.	1.3	11
484	Assessment of the kinetics and sites of reaction of some Immobiline chemicals with proteins and peptides by matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1141-1148.	0.7	11
485	Investigating the reaction of a number of gel electrophoresis cross-linkers with β -lactoglobulin by matrix assisted laser desorption/ionization- mass spectrometry. <i>Electrophoresis</i> , 2000, 21, 3684-3692.	1.3	11
486	Monitoring folding transitions of synthetic, branched-chain polypeptides by capillary zone electrophoresis. <i>Electrophoresis</i> , 2003, 24, 794-800.	1.3	11

#	ARTICLE	IF	CITATIONS
487	Mass distribution, polydispersity, and focusing properties of carrier ampholytes for IEF. Part V: pH 9-11 interval. <i>Electrophoresis</i> , 2007, 28, 3156-3162.	1.3	11
488	Surface analysis of ancient parchments via the EVA film: The Aleppo Codex. <i>Analytical Biochemistry</i> , 2020, 604, 113824.	1.1	11
489	Fingerprinting of casein digests by isoelectric focusing and SDS electrophoresis. <i>Electrophoresis</i> , 1980, 1, 37-42.	1.3	10
490	Alpha-1 acid glycoprotein analysis on immobilized pH gradients. <i>Electrophoresis</i> , 1987, 8, 538-540.	1.3	10
491	Hydrophobic interaction of alcian blue with soluble and erythrocyte membrane proteins. <i>Journal of Chromatography A</i> , 1988, 452, 347-357.	1.8	10
492	Human skeletal muscle myosin light chains analyzed by immobilized pH gradients during ontogenesis: Identification of new phosphorylatable isoforms of light chain 2. <i>Electrophoresis</i> , 1990, 11, 325-332.	1.3	10
493	Isoelectric focusing in immobilized pH gradients: applications in clinical chemistry and forensic analysis. <i>Biomedical Applications</i> , 1991, 569, 197-228.	1.7	10
494	Quantitative studies of different injection systems in capillary electrophoresis. <i>Electrophoresis</i> , 1994, 15, 1158-1166.	1.3	10
495	An isoelectrically trapped enzyme reactor operating in an electric field. <i>Electrophoresis</i> , 1998, 19, 1075-1080.	1.3	10
496	Characterization of polymeric buffers for operating membrane-trapped enzyme reactors in an electric field. , 2000, 69, 39-46.		10
497	Screening for the β -39 mutation in thalassemia by capillary electrophoresis in free solution in strongly acidic, isoelectric buffers. <i>Electrophoresis</i> , 2000, 21, 780-784.	1.3	10
498	Do orientation effects contribute to the molecular weight dependence of the free solution mobility of DNA?. <i>Electrophoresis</i> , 2001, 22, 4311-4315.	1.3	10
499	A pI-based protein fractionation method using solid-state buffers. <i>Journal of Proteomics</i> , 2008, 71, 379-389.	1.2	10
500	Mark Twain: How to fathom the depth of your pet proteome. <i>Journal of Proteomics</i> , 2012, 75, 4783-4791.	1.2	10
501	Optimized sample treatment protocol by solid-phase peptide libraries to enrich for protein traces. <i>Amino Acids</i> , 2013, 45, 1431-1442.	1.2	10
502	Proteomic fingerprinting of mistletoe (<i>Viscum album</i> L.) via combinatorial peptide ligand libraries and mass spectrometry analysis. <i>Journal of Proteomics</i> , 2017, 164, 52-58.	1.2	10
503	Noninvasive wearable sensor for indirect glucometry. <i>Electrophoresis</i> , 2018, 39, 2344-2350.	1.3	10
504	What Sherlock sorely missed: the EVA technology for cultural heritage exploration. <i>Expert Review of Proteomics</i> , 2019, 16, 533-542.	1.3	10

#	ARTICLE	IF	CITATIONS
505	Never boring: Non-invasive palaeoproteomics of mummified human skin. <i>Journal of Archaeological Science</i> , 2020, 119, 105145.	1.2	10
506	EVA Technology and Proteomics: A Two-Pronged Attack on Cultural Heritage. <i>Journal of Proteome Research</i> , 2020, 19, 2914-2925.	1.8	10
507	Capturing and Amplifying Impurities from Recombinant Therapeutic Proteins Via Combinatorial Peptide Libraries: A Proteomic Approach. <i>Current Pharmaceutical Biotechnology</i> , 2011, 12, 1537-1547.	0.9	10
508	Electrophoretic and chromatographic techniques for the differential diagnosis of a haemoglobin abnormality: Hb E heterozygosity. <i>Journal of Chromatography A</i> , 1985, 330, 299-306.	1.8	9
509	Electrophoretically silent hemoglobin mutants as revealed by isoelectric focusing in immobilized pH gradients. <i>Electrophoresis</i> , 1989, 10, 595-599.	1.3	9
510	Physico-chemical properties of amphoteric, isoelectric, macroreticulate buffers. <i>Journal of Proteomics</i> , 1991, 23, 115-130.	2.4	9
511	Molecular modeling of acrylamide derivatives: The case of N-acryloylaminoethoxyethanol versus acrylamide and trisacryl. <i>Electrophoresis</i> , 1994, 15, 1104-1111.	1.3	9
512	Dynamics of protein isoelectric focusing in immobilized pH gradient gels. <i>Electrophoresis</i> , 1996, 17, 1313-1318.	1.3	9
513	On the concept of "normalized buffering power/conductivity ratio" of isoelectric buffers for capillary zone electrophoresis. <i>Electrophoresis</i> , 1998, 19, 1674-1676.	1.3	9
514	Electrically immobilized enzyme reactors: Bioconversion of a charged substrate. Hydrolysis of penicillin G by penicillin G acylase. , 1999, 64, 383-391.		9
515	Cibacron Blue and proteomics: The mystery of the platoon missing in action. <i>Journal of Proteomics</i> , 2011, 74, 2856-2865.	1.2	9
516	Exploration of the Sea Urchin Coelomic Fluid <i>via</i> Combinatorial Peptide Ligand Libraries. <i>Biological Bulletin</i> , 2012, 222, 93-104.	0.7	9
517	Proteomic analysis of <i>Lycium barbarum</i> (Goji) fruit via combinatorial peptide ligand libraries. <i>Electrophoresis</i> , 2013, 34, 1729-1736.	1.3	9
518	Plant Proteomics Methods to Reach Low-Abundance Proteins. <i>Methods in Molecular Biology</i> , 2014, 1072, 111-129.	0.4	9
519	Il n'y a pas d'amour heureux pour Casanova: Chemical and bioanalysis of his Memoirs. <i>Electrophoresis</i> , 2019, 40, 3050-3056.	1.3	9
520	Glycosylation of human albumin in diabetes mellitus II. Extensive <i>in vitro</i> modification by trioses and hexoses as revealed by isoelectric focusing. <i>Electrophoresis</i> , 1985, 6, 118-123.	1.3	8
521	Mechanism of water exudation from mixed-bed ampholine-immobiline gels for isoelectric focusing. <i>Journal of Chromatography A</i> , 1987, 387, 121-126.	1.8	8
522	Characterization of the major proteins from <i>Vitis vinifera</i> seeds. <i>Plant Science</i> , 1989, 62, 73-81.	1.7	8

#	ARTICLE	IF	CITATIONS
523	Macroreticulate buffers: a novel approach to pH control in living systems. <i>Journal of Biotechnology</i> , 1991, 17, 169-176.	1.9	8
524	Capillary zone electrophoresis analysis of acrylamido buffers for isoelectric focusing in immobilized pH gradients. <i>Journal of Chromatography A</i> , 1991, 559, 119-131.	1.8	8
525	Analysis of acrylamido-buffers for isoelectric focusing by capillary zone electrophoresis. <i>Electrophoresis</i> , 1991, 12, 55-58.	1.3	8
526	Steady-state heat transfer and thermal zone spreading in gel isoelectric focusing. <i>Electrophoresis</i> , 1992, 13, 275-279.	1.3	8
527	Immobilized buffers for isoelectric focusing: From gradient gels to membranes. <i>Electrophoresis</i> , 1994, 15, 1040-1043.	1.3	8
528	Steady-state electrolysis of a solution of nonamphotheric compounds. <i>Electrophoresis</i> , 1999, 20, 718-722.	1.3	8
529	Crystallization of chicken liver (basic) fatty acid binding protein after purification in multicompartement electrolyzers with isoelectric membranes. <i>Electrophoresis</i> , 2000, 21, 2316-2320.	1.3	8
530	Free solution mobility of DNA molecules containing variable numbers of cationic phosphoramidate internucleoside linkages. <i>Journal of Chromatography A</i> , 2000, 883, 267-275.	1.8	8
531	Effect of barium tetraborate on the separation of tryptic digests of proteins by zone electrophoresis in uncoated capillaries. <i>Electrophoresis</i> , 2006, 27, 4016-4024.	1.3	8
532	Gel-free IEF in a membrane-sealed multicompartement cell for proteome prefractionation. <i>Electrophoresis</i> , 2007, 28, 1860-1866.	1.3	8
533	Will amber inclusions provide the first glimpse of a Mesozoic proteome?. <i>Expert Review of Proteomics</i> , 2009, 6, 1-4.	1.3	8
534	Facing challenges in Proteomics today and in the coming decade: Report of Roundtable Discussions at the 4th EuPA Scientific Meeting, Portugal, Estoril 2010. <i>Journal of Proteomics</i> , 2011, 75, 4-17.	1.2	8
535	Analytical Approaches for the Characterization and Identification of Olive (<i>Olea europaea</i>) Oil Proteins. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 10384-10391.	2.4	8
536	New baits for fishing in cultural heritage's Mare Magnum. <i>Journal of Proteomics</i> , 2021, 235, 104113.	1.2	8
537	Sample Treatment Methods Involving Combinatorial Peptide Ligand Libraries for Improved Proteomes Analyses. <i>Methods in Molecular Biology</i> , 2015, 1243, 55-82.	0.4	8
538	Status methodology in isoelectric focussing. <i>TrAC - Trends in Analytical Chemistry</i> , 1983, 2, 193-196.	5.8	7
539	Immobilized pH gradients: The state of the art. <i>TrAC - Trends in Analytical Chemistry</i> , 1986, 5, 16-20.	5.8	7
540	Immunoblotting from immobilized pH gradients. <i>Journal of Proteomics</i> , 1988, 16, 193-204.	2.4	7

#	ARTICLE	IF	CITATIONS
541	Isoelectric membrane simulator: A computational approach for isoelectric Immobiline membranes. <i>Electrophoresis</i> , 1991, 12, 631-636.	1.3	7
542	Can amphoteric substances with very small (or negative) $\hat{p}K$ difference exist and what properties would their water solutions exhibit?. <i>Electrophoresis</i> , 1998, 19, 187-191.	1.3	7
543	Buffer properties of biopolymer solutions, as related to their behaviour in electrokinetic methodologies. <i>Journal of Chromatography A</i> , 1999, 838, 11-18.	1.8	7
544	Salt-promoted protein folding, preferential binding, or electrostatic screening?. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002, 49, 147-153.	1.5	7
545	High-resolution separation of peptides by sodium dodecyl sulfate-polyacrylamide gel electrophoresis. <i>Electrophoresis</i> , 2008, 29, 1749-1752.	1.3	7
546	SDS-PAGE and two-dimensional maps in a radial gel format. <i>Electrophoresis</i> , 2010, 31, 465-470.	1.3	7
547	Investigation of the applicability of Zernike moments to the classification of SDS 2D-PAGE maps. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1419-1431.	1.9	7
548	The Monkey King: A personal view of the long journey towards a proteomic Nirvana. <i>Journal of Proteomics</i> , 2014, 107, 39-49.	1.2	7
549	De re metallica. Johannes Kepler and alchemy. <i>Talanta</i> , 2019, 204, 82-88.	2.9	7
550	Proteomic fingerprinting of apple fruit, juice, and cider via combinatorial peptide ligand libraries and MS analysis. <i>Electrophoresis</i> , 2019, 40, 266-271.	1.3	7
551	Combinatorial peptides: A library that continuously probes low-abundance proteins. <i>Electrophoresis</i> , 2022, 43, 355-369.	1.3	7
552	Sample Preparation and Prefractionation Techniques for Electrophoresis-Based Proteomics. , 2007, , 15-40.		7
553	pH measurements after isoelectric focusing in immobilized pH gradients. <i>Journal of Chromatography A</i> , 1986, 359, 339-349.	1.8	6
554	Immobilized pH gradients. <i>Trends in Biochemical Sciences</i> , 1988, 13, 335-338.	3.7	6
555	Biomedical relevance of two-dimensional protein mapping. <i>Biomedical Applications</i> , 1991, 569, 43-62.	1.7	6
556	pH Changes in Immobiline gels due to low-molecular mass ion adsorption and condition for salt front formation during electrophoretic desorption. <i>Electrophoresis</i> , 1997, 18, 344-348.	1.3	6
557	Steady-state concentration distribution of ampholytes in isoelectric focusing in a linear immobilized pH gradient. <i>Electrophoresis</i> , 1998, 19, 1596-1600.	1.3	6
558	Use of quasi-isoelectric buffers to limit protein adsorption in capillary zone electrophoresis. <i>Electrophoresis</i> , 2008, 29, 3164-3167.	1.3	6

#	ARTICLE	IF	CITATIONS
559	Mixed-bed chromatography as a way to resolve peculiar protein fractionation situations. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 827-835.	1.2	6
560	Resurrexit, sicut dixit, alleluia. Snake venomics from a 26-year old polyacrylamide focusing gel. <i>Journal of Proteomics</i> , 2012, 75, 1074-1078.	1.2	6
561	Low-abundance plant protein enrichment with peptide libraries to enlarge proteome coverage and related applications. <i>Plant Science</i> , 2020, 290, 110302.	1.7	6
562	Isoelectric focusing in chloral hydrate. <i>Journal of Chromatography A</i> , 1982, 237, 293-296.	1.8	5
563	Detection of neutral hemoglobin mutants by conventional isoelectric focusing and immobilized pH gradients. <i>TrAC - Trends in Analytical Chemistry</i> , 1986, 5, 147-151.	5.8	5
564	On the measurements of electrophoretic mobilities by means of capillary isotachopheresis at a constant voltage. <i>Electrophoresis</i> , 1995, 16, 2149-2158.	1.3	5
565	Organic and inorganic di-cations for capillary silica coating and EOF modulation in CE: Example of application in PEG analysis. <i>Electrophoresis</i> , 2006, 27, 1495-1501.	1.3	5
566	DNA Separation Methodology Based on Charge Neutralization in a Polycationic Gel Matrix. <i>Analytical Chemistry</i> , 2008, 80, 5031-5035.	3.2	5
567	Happy bicentennial, electrophoresis!. <i>Journal of Proteomics</i> , 2009, 73, 181-187.	1.2	5
568	Improved instrumentation for large-size two-dimensional protein maps. <i>Electrophoresis</i> , 2010, 31, 3863-3866.	1.3	5
569	Bioanalysis: Heri, hodie, cras. <i>Electrophoresis</i> , 2013, 34, 1442-1451.	1.3	5
570	According to the CPLL proteome sheriffs, not all aperitifs are created equal!. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 1493-1499.	1.1	5
571	Extensive Heterogeneity of Human Urokinase, As Detected by Two-Dimensional Mapping. <i>Analytical Chemistry</i> , 2015, 87, 1509-1513.	3.2	5
572	Meta-proteomic analysis of the Shandrin mammoth by EVA technology and high-resolution mass spectrometry: what is its gut microbiota telling us?. <i>Amino Acids</i> , 2021, 53, 1507-1521.	1.2	5
573	Complexes of heparin with poly(alkylenimines): Competitive binding with methylene blue. <i>Carbohydrate Research</i> , 1982, 104, 299-308.	1.1	4
574	Casting immobilized pH gradients into cylindrical polyacrylamide gels. <i>Journal of Proteomics</i> , 1988, 16, 171-183.	2.4	4
575	Ti/IrO ₂ as anode and Zr as cathode in multicompartement electrolyzers with Immobiline membranes. <i>Electrophoresis</i> , 1992, 13, 55-58.	1.3	4
576	Editorial. <i>Electrophoresis</i> , 1992, 13, 185-186.	1.3	4

#	ARTICLE	IF	CITATIONS
577	Optimized Detection of DNA Point Mutations by Double Gradient Denaturing Gradient Gel. <i>Clinical Chemistry and Laboratory Medicine</i> , 1998, 36, 959-61.	1.4	4
578	Acidâ€base equilibria of polyvalent electrolytes and theoretical description of polyelectrolyte behavior in electrokinetic separations. <i>Journal of Proteomics</i> , 2000, 46, 21-30.	2.4	4
579	Amplification Refractory Mutation System Analysis of Point Mutations by Capillary Electrophoresis. , 2001, 163, 95-108.		4
580	Potential binding of borate ions to mono- and oligonucleotides: a capillary electrophoresis investigation. <i>Journal of Chromatography A</i> , 2002, 979, 285-297.	1.8	4
581	Focusing of Low-Molecular-Mass Heparins in Polycationic Polyacrylamide Matrices. <i>Analytical Chemistry</i> , 2009, 81, 6966-6971.	3.2	4
582	Blood proteomics and the dynamic range: some light at the end of the tunnel?. <i>Journal of Proteomics</i> , 2010, 73, 627-628.	1.2	4
583	Conventional Isoelectric Focusing in Gel Slabs and Capillaries and Immobilized pH Gradients. <i>Methods of Biochemical Analysis</i> , 2011, 54, 379-409.	0.2	4
584	Polar Electrophoresis: Shape of Two-Dimensional Maps Is as Important as Size. <i>PLoS ONE</i> , 2012, 7, e30911.	1.1	4
585	Detailed Methodologies and Protocols. , 2013, , 263-319.		4
586	The â€Dark Sideâ€ of Food Stuff Proteomics: The CPLL-Marshals Investigate. <i>Foods</i> , 2014, 3, 217-237.	1.9	4
587	Proteomics and metabolomics composition of the ink of a letter in a fragment of a Dead Sea Scroll from Cave 11 (P1032-Fr0). <i>Journal of Proteomics</i> , 2021, 249, 104370.	1.2	4
588	Specific and Surrogate Cerebrospinal Fluid Markers in Creutzfeldtâ€Jakob Disease. <i>Advances in Neurobiology</i> , 2011, , 455-467.	1.3	4
589	Isotope-Coded Two-Dimensional Maps: Tagging with Deuterated Acrylamide and 2-Vinylpyridine. <i>Methods in Molecular Biology</i> , 2008, 424, 87-99.	0.4	4
590	Meta-proteomic analysis of two mammothâ€™s trunks by EVA technology and high-resolution mass spectrometry for an indirect picture of their habitat and the characterization of the collagen type I, alpha-1 and alpha-2 sequence. <i>Amino Acids</i> , 2022, , .	1.2	4
591	Isoelectric Focusing with Immobilized pH Gradients. <i>Separation and Purification Reviews</i> , 1987, 16, 105-169.	0.8	3
592	Use of physiological substrates for zymograms of disaccharidases after separation in immobilized pH gradients. <i>Journal of Proteomics</i> , 1989, 18, 195-208.	2.4	3
593	Point Mutation Detection by Temperature-Programmed Capillary Electrophoresis. , 2001, 163, 73-88.		3
594	Searching for specific motifs in affinity capture in proteome analysis. <i>Journal of Proteomics</i> , 2009, 72, 791-802.	1.2	3

#	ARTICLE	IF	CITATIONS
595	Making Progress in Plant Proteomics for Improved Food Safety. <i>Comprehensive Analytical Chemistry</i> , 2014, 64, 131-155.	0.7	3
596	Stalin's "black dog": a postmortem diagnosis. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 7701-7708.	1.9	3
597	"1984": What Orwell could not predict. Proteomic analysis of his scripts. <i>Electrophoresis</i> , 2020, 41, 1931-1940.	1.3	3
598	Revisiting Jurassic Park: The Isolation of Proteins from Amber Encapsulated Organisms Millions of Years Old. , 2011, , 925-938.		3
599	Job for the boy?. <i>Nature</i> , 1995, 376, 290-290.	13.7	2
600	On the solvent motion in electrophoretic systems. <i>Electrophoresis</i> , 1996, 17, 1134-1142.	1.3	2
601	Steady-state electrolysis of an ampholyte solution and possibility of violation of the law of pH monotony. <i>Electrophoresis</i> , 1998, 19, 2269-2272.	1.3	2
602	Gene Dosage in Capillary Electrophoresis: Prenatal Diagnosis of Down's Syndrome and Rh D/d Genotyping. , 1999, 27, 109-120.		2
603	Chapter 15 Electrophoresis of proteins and peptides. <i>Journal of Chromatography Library</i> , 2004, , 633-668.	0.1	2
604	Analysis of trace degradation products (decarboxylated diastereoisomers) of S-adenosylmethionine by electrophoresis in capillaries with cationic coatings (N-methylpolyvinylpyridinium or divalent barium). <i>Electrophoresis</i> , 2010, 31, 3592-3596.	1.3	2
605	Introducing Low-Abundance Species in Proteome Analysis. , 2013, , 1-11.		2
606	Generation of Highly-Reproducible, Extended pH Intervals in Immobiline Gels. , 1984, , 533-540.		2
607	Fiat Lux ... how Alessandro Volta illuminated his scripts. <i>Comptes Rendus Chimie</i> , 2021, 24, 361-371.	0.2	2
608	Immobilized pH Gradients: Recent Developments. <i>ACS Symposium Series</i> , 1987, , 33-53.	0.5	1
609	Chapter 11 Electrophoresis. <i>Journal of Chromatography Library</i> , 1992, , A481-A517.	0.1	1
610	Determining the Identity and Structure of Recombinant Proteins. <i>Current Protocols in Protein Science</i> , 1996, 3, Unit 7.3.	2.8	1
611	The Proteome, Anno Domini Two Zero Zero Three. , 2005, , 103-134.		1
612	Bibunt centum, bibunt mille.... <i>Proteomics</i> , 2005, 5, 617-619.	1.3	1

#	ARTICLE	IF	CITATIONS
613	ELECTROPHORESIS:Miles Gloriosus?. Electrophoresis, 2006, 27, 921-922.	1.3	1
614	Steady-state electrophoresis of RNA against a gradient of cationic charges in a polyacrylamide matrix. Electrophoresis, 2009, 30, 3696-3700.	1.3	1
615	Third generation of focusing: Gel matrices with immobilized cation gradients. Electrophoresis, 2010, 31, 1747-1753.	1.3	1
616	Current Low-Abundance Protein Access. , 2013, , 41-77.		1
617	50, 100, 1000 Years: Happy Anniversary Electrophoresis!. Electrophoresis, 2019, 40, 11-15.	1.3	1
618	Single-strand conformation polymorphism analysis by capillary zone electrophoresis in neutral pH buffer. , 2000, 21, 785.		1
619	Mutational Analysis with Capillary Electrophoresis. Chromatographia CE Series, 1997, , 255-273.	0.1	1
620	Richard the Lionheart and the Ferocious Saladin Face to Face in Arsuf: A Proteomic Study. Heritage, 2021, 4, 3382-3401.	0.9	1
621	Detection of Plant Low-Abundance Proteins by Means of Combinatorial Peptide Ligand Library Methods. Methods in Molecular Biology, 2020, 2139, 381-404.	0.4	1
622	Mixed Beds. Beyond the Frontiers of Classical Chromatography for Proteins. Advances in Chromatography, 2012, 50, 1-46.	1.0	1
623	Jack London and White Fang: a lost struggle. Comptes Rendus Chimie, 2022, 25, 115-123.	0.2	1
624	ISOELECTRIC FOCUSING IN IMMOBILIZED pH GRADIENTS. I: PRINCIPLE AND METHODOLOGY. , 1983, , 61-74.		0
625	POLYMERIZATION KINETICS OF POLYACRYLAMIDE GELS: EFFECTS OF DIFFERENT CROSSLINKERS, TEMPERATURE AND CATALYSTS. , 1983, , 147-156.		0
626	C. PEPTIDE FOCUSING. , 1983, , 843-852.		0
627	Preparative Aspects of Immobilized pH Gradients. , 1988, 3, 233-256.		0
628	Gel electrophoresis: Proteins. Journal of Chromatography A, 1994, 662, 200-201.	1.8	0
629	Capillary Electrophoresis of Peptides and Proteins Using Isoelectric Buffers. Current Protocols in Protein Science, 1999, 16, Unit 10.13.	2.8	0
630	Epilogue: Riding a white horse, on a bright October morning.... Electrophoresis, 2002, 23, 363-364.	1.3	0

#	ARTICLE	IF	CITATIONS
631	Chapter 9 Capillary zone electrophoresis. <i>Journal of Chromatography Library</i> , 2004, , 369-402.	0.1	0
632	Incidents of travel in IEF and IPGS. <i>Separation Science and Technology</i> , 2005, 7, xvii-xxii.	0.0	0
633	Andreas Chrambach and Ren� Descartes: Plutarch's Parallel Lives?. <i>Electrophoresis</i> , 2007, 28, 505-507.	1.3	0
634	It can be done!. <i>Journal of Proteomics</i> , 2008, 71, 253-254.	1.2	0
635	Biomedical Involvements of Low-Abundance Proteins. , 2013, , 197-231.		0
636	Plant Proteomics and Food and Beverage Analysis via CPLL Capture. , 2013, , 159-196.		0
637	Current Gel Electrophoresis Approaches to Low-Abundance Protein Marker Discovery. , 2013, , 175-190.		0
638	Chromatographic and Electrophoretic Prefractionation Tools in Proteome Analysis. , 2013, , 13-40.		0
639	Low-Abundance Protein Access by Combinatorial Peptide Libraries. , 2013, , 79-157.		0
640	Other Applications of Combinatorial Peptide Libraries. , 2013, , 233-261.		0
641	Proteomics of Grapevines and Wines. , 2017, , 405-414.		0
642	Associating 2-DE and CPLLs for low-abundance protein discovery: A winning strategy. , 2020, , 183-207.		0
643	Radial distribution of figures in Leonardo's and Renaissance paintings. <i>Digital Applications in Archaeology and Cultural Heritage</i> , 2021, 20, e00178.	0.9	0
644	Software "Pinxit" Hail Magister Leonardo!. <i>Heritage</i> , 2021, 4, 917-936.	0.9	0
645	Mixed-Bed Affinity Chromatography: Principles and Methods. <i>Methods in Molecular Biology</i> , 2015, 1286, 131-158.	0.4	0
646	A novel tool for assessing microbiomes in cultural heritage documents. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 949, 012116.	0.3	0