

Pier Giorgio Righetti

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642 papers	24,047 citations	70 h-index	118 g-index
672 ext. papers	25,426 ext. citations	4.1 avg, IF	6.76 L-index

#	Paper	IF	Citations
642	Blue silver: a very sensitive colloidal Coomassie G-250 staining for proteome analysis. <i>Electrophoresis</i> , 2004 , 25, 1327-33	3.6	1491
641	Isoelectric focusing in immobilized pH gradients: principle, methodology and some applications. <i>Journal of Proteomics</i> , 1982 , 6, 317-39		848
640	Isoelectric points and molecular weights of proteins. <i>Journal of Chromatography A</i> , 1976 , 127, 1-28	4.5	381
639	Isoelectric focusing in gels. <i>Journal of Chromatography A</i> , 1974 , 98, 271-321	4.5	361
638	Prefractionation techniques in proteome analysis: the mining tools of the third millennium. <i>Electrophoresis</i> , 2005 , 26, 297-319	3.6	255
637	The free solution mobility of DNA. <i>Biopolymers</i> , 1997 , 42, 687-703	2.2	242
636	Protein Equalizer Technology : the quest for a "democratic proteome". <i>Proteomics</i> , 2006 , 6, 3980-92	4.8	221
635	Exploring the hidden human urinary proteome via ligand library beads. <i>Journal of Proteome Research</i> , 2005 , 4, 1917-30	5.6	214
634	A turning point in proteome analysis: sample prefractionation via multicompartiment electrolyzers with isoelectric membranes. <i>Electrophoresis</i> , 2000 , 21, 3639-48	3.6	210
633	The state of the art of dynamic coatings. <i>Electrophoresis</i> , 2001 , 22, 603-11	3.6	204
632	Reduction and alkylation of proteins in preparation of two-dimensional map analysis: why, when, and how?. <i>Electrophoresis</i> , 2001 , 22, 2046-57	3.6	188
631	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, 2254-69	7.6	187
630	Prefractionation techniques in proteome analysis. <i>Proteomics</i> , 2003 , 3, 1397-407	4.8	185
629	Isoelectric points and molecular weights of proteins. <i>Journal of Chromatography A</i> , 1981 , 220, 115-194	4.5	170
628	Gel gradient electrophoresis, isoelectric focusing and two-dimensional techniques in horizontal, ultrathin polyacrylamide layers. <i>Journal of Proteomics</i> , 1980 , 3, 273-84		159
627	The red blood cell proteome and interactome: an update. <i>Journal of Proteome Research</i> , 2010 , 9, 144-63	5.6	152
626	Proteomic analysis of human blood serum using peptide library beads. <i>Journal of Proteome Research</i> , 2007 , 6, 4055-62	5.6	149

625	The ProteoMiner in the proteomic arena: a non-depleting tool for discovering low-abundance species. <i>Journal of Proteomics</i> , 2008 , 71, 255-64	3.9	149
624	On the limiting pore size of hydrophilic gels for electrophoresis and isoelectric focusing. <i>Journal of Proteomics</i> , 1981 , 4, 347-63		148
623	Preparative protein purification in a multi-compartment electrolyser with immobiline membranes. <i>Journal of Chromatography A</i> , 1989 , 475, 293-309	4.5	138
622	Protein adsorption to the bare silica wall in capillary electrophoresis quantitative study on the chemical composition of the background electrolyte for minimising the phenomenon. <i>Journal of Chromatography A</i> , 2000 , 868, 85-99	4.5	137
621	Exploring the chicken egg white proteome with combinatorial peptide ligand libraries. <i>Journal of Proteome Research</i> , 2008 , 7, 3461-74	5.6	136
620	The art of observing rare protein species in proteomes with peptide ligand libraries. <i>Proteomics</i> , 2009 , 9, 1492-510	4.8	135
619	Unseen proteome: mining below the tip of the iceberg to find low abundance and membrane proteins. <i>Journal of Proteome Research</i> , 2003 , 2, 303-11	5.6	135
618	Non-linear pH courses with immobilized pH gradients. <i>Electrophoresis</i> , 1985 , 6, 53-56	3.6	133
617	Congenital dyserythropoietic anemia type II (CDAlI) is caused by mutations in the SEC23B gene. <i>Human Mutation</i> , 2009 , 30, 1292-8	4.7	132
616	Towards new formulations for polyacrylamide matrices: N-acryloylaminoethoxyethanol, a novel monomer combining high hydrophilicity with extreme hydrolytic stability. <i>Electrophoresis</i> , 1994 , 15, 177-86	3.6	127
615	Capillary electrophoresis and isoelectric focusing in peptide and protein analysis. <i>Proteomics</i> , 2013 , 13, 325-40	4.8	126
614	A proteomic approach to cisplatin resistance in the cervix squamous cell carcinoma cell line A431. <i>Proteomics</i> , 2004 , 4, 3246-67	4.8	126
613	Spot overlapping in two-dimensional maps: a serious problem ignored for much too long. <i>Proteomics</i> , 2005 , 5, 2385-95	4.8	123
612	Modern strategies for protein quantification in proteome analysis: advantages and limitations. <i>Mass Spectrometry Reviews</i> , 2002 , 21, 287-302	11	122
611	Exploring the venom proteome of the western diamondback rattlesnake, <i>Crotalus atrox</i> , via snake venomomics and combinatorial peptide ligand library approaches. <i>Journal of Proteome Research</i> , 2009 , 8, 3055-67	5.6	118
610	The ProteoMiner and the FortyNiners: searching for gold nuggets in the proteomic arena. <i>Mass Spectrometry Reviews</i> , 2008 , 27, 596-608	11	117
609	Preparative purification of human monoclonal antibody isoforms in a multi-compartment electrolyser with immobiline membranes. <i>Journal of Chromatography A</i> , 1990 , 500, 681-96	4.5	117
608	Isoelectric focusing of peptides. <i>Journal of Chromatography A</i> , 1978 , 157, 243-251	4.5	115

607	Membrane protein analysis by isoelectric focusing in immobilized pH gradients. <i>Electrophoresis</i> , 1985 , 6, 419-422	3.6	114
606	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, 1850-61	5.6	111
605	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, 1006-21	7.6	106
604	In-depth exploration of cow's whey proteome via combinatorial peptide ligand libraries. <i>Journal of Proteome Research</i> , 2009 , 8, 3925-36	5.6	106
603	Isoelectric focusing in immobilized pH gradients. <i>Journal of Chromatography A</i> , 1984 , 300, 165-224	4.5	106
602	Preparation of immobilized pH gradients spanning 28 pH units with two-chamber mixers: Evaluation of two experimental approaches. <i>Electrophoresis</i> , 1984 , 5, 88-97	3.6	106
601	Polymerization kinetics of polyacrylamide gels I. Effect of different cross-linkers. <i>Electrophoresis</i> , 1981 , 2, 213-219	3.6	105
600	Amino acid composition of zein molecular components. <i>Phytochemistry</i> , 1977 , 16, 315-317	4	105
599	Determination of the isoelectric point of proteins by capillary isoelectric focusing. <i>Journal of Chromatography A</i> , 2004 , 1037, 491-9	4.5	104
598	Chicken egg yolk cytoplasmic proteome, mined via combinatorial peptide ligand libraries. <i>Journal of Chromatography A</i> , 2009 , 1216, 1241-52	4.5	100
597	Carbamylation of proteins in 2-D electrophoresis--myth or reality?. <i>Journal of Proteome Research</i> , 2003 , 2, 239-42	5.6	98
596	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, 883-90	18.8	95
595	Critical survey of quantitative proteomics in two-dimensional electrophoretic approaches. <i>Journal of Chromatography A</i> , 2004 , 1051, 3-17	4.5	95
594	Quantitative studies on the adsorption of proteins to the bare silica wall in capillary electrophoresis. II. Effects of adsorbed, neutral polymers on quenching the interaction. <i>Journal of Chromatography A</i> , 2000 , 874, 293-303	4.5	95
593	Titration curves of proteins by combined isoelectric focusing-electrophoresis in highly porous polyacrylamide matrices. <i>Journal of Chromatography A</i> , 1980 , 189, 317-330	4.5	92
592	Combinatorial peptide ligand libraries for urine proteome analysis: investigation of different elution systems. <i>Electrophoresis</i> , 2009 , 30, 2405-11	3.6	91
591	Quantitative proteomics: a review of different methodologies. <i>European Journal of Mass Spectrometry</i> , 2004 , 10, 335-48	1.1	91
590	Proteome analysis in the clinical chemistry laboratory: myth or reality?. <i>Clinica Chimica Acta</i> , 2005 , 357, 123-39	6.2	89

589	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 ^{3.2}	88
588	Prefractionation techniques in proteome analysis. <i>Analytical Chemistry</i> , 2001 , 73, 320A-326A	7.8 86
587	Polymerization kinetics of polyacrylamide gels II. Effect of temperature. <i>Electrophoresis</i> , 1981 , 2, 220-228.6	86
586	Alkylation kinetics of proteins in preparation for two-dimensional maps: a matrix assisted laser desorption/ionization-mass spectrometry investigation. <i>Electrophoresis</i> , 2001 , 22, 2058-65	3.6 83
585	Numerical approaches for quantitative analysis of two-dimensional maps: a review of commercial software and home-made systems. <i>Proteomics</i> , 2005 , 5, 654-66	4.8 80
584	Exploring the platelet proteome via combinatorial, hexapeptide ligand libraries. <i>Journal of Proteome Research</i> , 2007 , 6, 4290-303	5.6 79
583	Size and charge distribution of macromolecules in living systems. <i>Journal of Chromatography A</i> , 1980 , 193, 1-8	4.5 79
582	Electrophoresis: the march of pennies, the march of dimes. <i>Journal of Chromatography A</i> , 2005 , 1079, 24-40	4.5 78
581	Polymerization kinetics of polyacrylamide gels containing immobilized pH gradients for isoelectric focusing. <i>Journal of Chromatography A</i> , 1984 , 291, 31-42	4.5 78
580	Recent progress in DNA analysis by capillary electrophoresis. <i>Electrophoresis</i> , 2002 , 23, 1361-74	3.6 77
579	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, 1677-82	3.6 76
578	pH gradient simulator for electrophoretic techniques in a windows environment. <i>Journal of Chromatography A</i> , 1993 , 630, 313-327	4.5 73
577	Romancing the "hidden proteome", Anno Domini two zero zero seven. <i>Journal of Chromatography A</i> , 2007 , 1153, 277-90	4.5 72
576	Fluidified polyacrylamides as molecular sieves in capillary zone electrophoresis of DNA fragments. <i>Journal of Chromatography A</i> , 1995 , 689, 97-105	4.5 72
575	Capillary zone electrophoresis of DNA fragments in a novel polymer network: poly(N-acryloylaminoethoxyethanol). <i>Electrophoresis</i> , 1994 , 15, 616-22	3.6 71
574	Isoelectric focusing in immobilized pH gradients: generation of extended pH intervals. <i>Journal of Proteomics</i> , 1983 , 7, 123-42	71
573	Novel acrylamido monomers with higher hydrophilicity and improved hydrolytic stability: II. Properties of N-acryloylaminopropanol. <i>Electrophoresis</i> , 1996 , 17, 732-7	3.6 70
572	Human globin chain separation by isoelectric focusing. <i>Journal of Proteomics</i> , 1979 , 1, 45-57	70

- 571 Movement of DNA fragments during capillary zone electrophoresis in liquid polyacrylamide. *Journal of Chromatography A*, **1993**, 652, 31-39 4.5 69
- 570 Wall adsorption in capillary electrophoresis experimental study and computer simulation. *Journal of Chromatography A*, **1995**, 699, 297-313 4.5 67
- 569 Capillary electrophoresis of macromolecules in 'syrupy' solutions: facts and misfacts. *Electrophoresis*, **1992**, 13, 690-7 3.6 67
- 568 Wheat cultivar discrimination by capillary electrophoresis of gliadins in isoelectric buffers. *Electrophoresis*, **1998**, 19, 311-8 3.6 66
- 567 Protein alkylation in the presence/absence of thiourea in proteome analysis: a matrix assisted laser desorption/ionization-time of flight-mass spectrometry investigation. *Electrophoresis*, **2001**, 22, 2066-74 3.6 66
- 566 Amidosulfobetaines, a family of detergents with improved solubilization properties: application for isoelectric focusing under denaturing conditions. *Analytical Biochemistry*, **1990**, 185, 94-102 3.1 66
- 565 Proteomics of wine additives: mining for the invisible via combinatorial peptide ligand libraries. *Journal of Proteomics*, **2010**, 73, 1732-9 3.9 65
- 564 Identification of distinct N-terminal truncated forms of prion protein in different Creutzfeldt-Jakob disease subtypes. *Journal of Biological Chemistry*, **2004**, 279, 38936-42 5.4 65
- 563 Preparative isoelectric focusing in immobilized pH gradients. I. General principles and methodology. *Journal of Proteomics*, **1983**, 8, 135-55 65
- 562 In-depth exploration of Hevea brasiliensis latex proteome and "hidden allergens" via combinatorial peptide ligand libraries. *Journal of Proteomics*, **2010**, 73, 1368-80 3.9 64
- 561 Immobilized pH gradients for isoelectric focusing. III. Preparative separations in highly diluted gels. *Journal of Proteomics*, **1984**, 9, 103-19 64
- 560 An improved protocol for two-dimensional maps of serum proteins with immobilized pH gradients in the first dimension. *Electrophoresis*, **1985**, 6, 332-339 3.6 64
- 559 Les Mères de l'Orge: the proteome content of your beer mug. *Journal of Proteome Research*, **2010**, 9, 5262-9 5.6 63
- 558 Dependence of the electroosmotic mobility on the applied electric field and its reproducibility in capillary electrophoresis. *Journal of Chromatography A*, **1994**, 684, 311-22 4.5 63
- 557 Isoelectric focusing in immobilized pH gradients: generation and optimization of wide pH intervals with two-chamber mixers. *Journal of Proteomics*, **1983**, 8, 109-33 63
- 556 Some more formulations for immobilized pH gradients. *Electrophoresis*, **1985**, 6, 113-117 3.6 63
- 555 Interaction among proteins and peptide libraries in proteome analysis: pH involvement for a larger capture of species. *Journal of Proteomics*, **2010**, 73, 733-42 3.9 62
- 554 Preincubation with cysteine prevents modification of sulfhydryl groups in proteins by unreacted acrylamide in a gel. *Electrophoresis*, **1992**, 13, 882-4 3.6 62

553	Effect of 2-mercaptoethanol on pH gradients in isoelectric focusing. <i>Journal of Proteomics</i> , 1982 , 6, 219-27	6.2	62
552	Isoelectric focusing of proteins and peptides in gel slabs and in capillaries. <i>Analytica Chimica Acta</i> , 1998 , 372, 1-19	6.6	61
551	Preferential counterion binding to A-tract DNA oligomers. <i>Journal of Molecular Biology</i> , 2001 , 305, 1025-33	6.3	61
550	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, 335-65	11	59
549	The proteome buccaneers: how to unearth your treasure chest via combinatorial peptide ligand libraries. <i>Expert Review of Proteomics</i> , 2010 , 7, 373-85	4.2	59
548	Searching for allergens in maize kernels via proteomic tools. <i>Journal of Proteomics</i> , 2009 , 72, 501-10	3.9	59
547	Noah's nectar: the proteome content of a glass of red wine. <i>Journal of Proteomics</i> , 2010 , 73, 2370-7	3.9	59
546	DNA and buffers: are there any noninteracting, neutral pH buffers?. <i>Analytical Biochemistry</i> , 2000 , 287, 167-75	3.1	59
545	Detection of point mutations by capillary electrophoresis in liquid polymers in temporal thermal gradients. <i>Electrophoresis</i> , 1994 , 15, 1506-11	3.6	59
544	'Laterally aggregated' polyacrylamide gels for electrophoresis. <i>Electrophoresis</i> , 1992 , 13, 587-95	3.6	59
543	Isoelectric focusing in immobilized pH gradients in presence of urea and neutral detergents. <i>Electrophoresis</i> , 1983 , 4, 321-326	3.6	58
542	Combinatorial peptide ligand libraries and plant proteomics: a winning strategy at a price. <i>Journal of Chromatography A</i> , 2009 , 1216, 1215-22	4.5	57
541	Generation of peptide maps by capillary zone electrophoresis in isoelectric iminodiacetic acid. <i>Electrophoresis</i> , 1997 , 18, 2012-8	3.6	57
540	Formulations for immobilized pH gradients including pH extremes. <i>Electrophoresis</i> , 1989 , 10, 806-8	3.6	57
539	Isoelectric focusing of heparin. Evidence for complexing with carrier ampholytes. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1978 , 532, 137-46		57
538	Of matrices and men. <i>Journal of Proteomics</i> , 1989 , 19, 1-20		56
537	Isoelectric focusing in immobilized pH gradients: recent analytical and preparative developments. <i>Analytical Biochemistry</i> , 1997 , 247, 1-10	3.1	55
536	Capillary electrophoresis of peptides in isoelectric buffers. <i>Journal of Chromatography A</i> , 1997 , 772, 203-211	4.1	55

535	Capillary isoelectric focusing: the problem of protein solubility. <i>Journal of Chromatography A</i> , 1997 , 757, 237-245	4.5	54
534	Sherlock Holmes and the proteome--a detective story. <i>FEBS Journal</i> , 2007 , 274, 897-905	5.7	54
533	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, 2577-85	5.6	54
532	The effect of protease inhibitors on the two-dimensional electrophoresis pattern of red blood cell membranes. <i>Electrophoresis</i> , 2001 , 22, 560-5	3.6	54
531	Capillary electrophoresis of oligonucleotides in sieving liquid polymers in isoelectric buffers. <i>Electrophoresis</i> , 1996 , 17, 1470-5	3.6	54
530	Preparative isoelectric focusing in immobilized pH gradients. II. A case report. <i>Journal of Proteomics</i> , 1983 , 8, 157-72		54
529	Polymerization kinetics of polyacrylamide gels. III. Effect of catalysts. <i>Electrophoresis</i> , 1981 , 2, 291-295	3.6	54
528	Assessment of the floral origin of honey via proteomic tools. <i>Journal of Proteomics</i> , 2012 , 75, 3688-93	3.9	53
527	How to bring the "unseen" proteome to the limelight via electrophoretic pre-fractionation techniques. <i>Bioscience Reports</i> , 2005 , 25, 3-17	4.1	53
526	Measuring the translational diffusion coefficients of small DNA molecules by capillary electrophoresis. <i>Biopolymers</i> , 2001 , 58, 390-7	2.2	53
525	Folding/unfolding/refolding of proteins: present methodologies in comparison with capillary zone electrophoresis. <i>Electrophoresis</i> , 2001 , 22, 2359-74	3.6	53
524	Capillary electrophoresis of peptides and proteins in isoelectric buffers: an update. <i>Electrophoresis</i> , 2000 , 21, 4046-53	3.6	53
523	Novel acrylamido monomers with higher hydrophilicity and improved hydrolytic stability: I. Synthetic route and product characterization. <i>Electrophoresis</i> , 1996 , 17, 723-31	3.6	53
522	Isoelectric protein purification by orthogonally coupled hydraulic and electric transports in a segmented immobilized pH gradient. <i>Journal of Proteomics</i> , 1987 , 15, 147-61		53
521	Crystal structure of chicken liver basic fatty acid-binding protein complexed with cholic acid. <i>Biochemistry</i> , 2004 , 43, 14072-9	3.2	52
520	Capillary electrophoretic analysis of proteins and peptides of biomedical and pharmacological interest. <i>Biopharmaceutics and Drug Disposition</i> , 2001 , 22, 337-51	1.7	52
519	Quantitative studies on the adsorption of proteins to the bare silica wall in capillary electrophoresis. III: Effects of adsorbed surfactants on quenching the interaction. <i>Journal of Chromatography A</i> , 2000 , 894, 281-9	4.5	52
518	Computer simulation of immobilized pH gradients at acidic and alkaline extremes: A quest for extended pH intervals. <i>Electrophoresis</i> , 1986 , 7, 59-66	3.6	52

517	Immobilized pH gradients: effect of salts, added carrier ampholytes and voltage gradients on protein patterns. <i>Electrophoresis</i> , 1988 , 9, 65-73	3.6	52
516	Characterization of synthetic carrier ampholytes for isoelectric focusing. <i>Journal of Chromatography A</i> , 1975 , 109, 341-56	4.5	52
515	Differential accumulation of Lhcb gene products in thylakoid membranes of Zea mays plants grown under contrasting light and temperature conditions. <i>Proteomics</i> , 2005 , 5, 758-68	4.8	51
514	Photopolymerization of polyacrylamide gels with methylene blue. <i>Electrophoresis</i> , 1993 , 14, 40-50	3.6	51
513	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	3.6	51
512	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, 3547-56	7.8	50
511	Hexapeptide combinatorial ligand libraries: the march for the detection of the low-abundance proteome continues. <i>BioTechniques</i> , 2008 , 44, 663-5	2.5	50
510	Two-dimensional maps in soft immobilized pH gradient gels: a new approach to the proteome of the Third Millennium. <i>Electrophoresis</i> , 2002 , 23, 292-7	3.6	50
509	Soft immobilized pH gradient gels in proteome analysis: a follow-up. <i>Proteomics</i> , 2003 , 3, 821-5	4.8	50
508	Capillary zone electrophoresis of oligonucleotides and peptides in isoelectric buffers: theory and methodology. <i>Electrophoresis</i> , 1997 , 18, 2145-53	3.6	49
507	Proteomic analysis of pancreatic ductal carcinoma cells treated with 5-aza-2'-deoxycytidine. <i>Electrophoresis</i> , 2003 , 24, 4291-303	3.6	49
506	Screening of umbilical cord blood hemoglobins by isoelectric focusing in capillaries. <i>Electrophoresis</i> , 1995 , 16, 1485-91	3.6	49
505	Swelling kinetics of immobilized gels for isoelectric focusing. <i>Electrophoresis</i> , 1984 , 5, 257-262	3.6	49
504	Urinary prostaticin: a candidate marker of epithelial sodium channel activation in humans. <i>Hypertension</i> , 2005 , 46, 683-8	8.5	48
503	Isoelectric focusing as a puzzle. <i>Journal of Chromatography A</i> , 1977 , 137, 171-181	4.5	48
502	Titration curves of interacting cytochrome b5 and hemoglobin by isoelectric focusing-electrophoresis. <i>Biochemical and Biophysical Research Communications</i> , 1978 , 85, 1575-81	3.4	48
501	Beta-elimination: an unexpected artefact in proteome analysis. <i>Proteomics</i> , 2003 , 3, 826-31	4.8	47
500	Proteomic analysis of erythrocyte membranes by soft Immobilized gels combined with differential protein extraction. <i>Journal of Proteome Research</i> , 2005 , 4, 1304-9	5.6	46

499	Current trends in capillary isoelectric focusing of proteins. <i>Biomedical Applications</i> , 1997 , 699, 91-104		45
498	Capillary electrophoresis of DNA for molecular diagnostics. <i>Electrophoresis</i> , 1997 , 18, 1709-14	3.6	45
497	Carrier ampholytes for IEF, on their fortieth anniversary (1967-2007), brought to trial in court: the verdict. <i>Electrophoresis</i> , 2007 , 28, 3799-810	3.6	45
496	A new deuterated alkylating agent for quantitative proteomics. <i>Rapid Communications in Mass Spectrometry</i> , 2003 , 17, 2380-6	2.2	45
495	Novel, trifunctional diamine for silica coating in capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2000 , 894, 53-61	4.5	45
494	Modified silver staining for immobilized pH gradients. <i>Electrophoresis</i> , 1992 , 13, 264-6	3.6	45
493	New developments in isoelectric focusing. <i>Journal of Chromatography A</i> , 1980 , 184, 415-56	4.5	45
492	New polyacrylamide matrices for drift-free isoelectric focusing. <i>Journal of Proteomics</i> , 1982 , 6, 1-15		45
491	Neonatal screening of beta-thalassemias by thin layer isoelectric focusing. <i>American Journal of Hematology</i> , 1982 , 13, 149-57	7.1	45
490	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, 154-8	4.5	44
489	Spot overlapping in two-dimensional polyacrylamide gel electrophoresis separations: a statistical study of complex protein maps. <i>Electrophoresis</i> , 2002 , 23, 283-91	3.6	44
488	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, 1692-8	2.2	44
487	2005 ,		44
486	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, 273-80	4.5	44
485	Capillary electrophoresis instrumentation as a bench-top viscometer. <i>Journal of Chromatography A</i> , 1994 , 659, 199-204	4.5	44
484	On the pH dependence of polymerization efficiency, as investigated by capillary zone electrophoresis. <i>Electrophoresis</i> , 1993 , 14, 554-8	3.6	44
483	Serum fractionation on immobilized pH gradients with one- and two-dimensional techniques. <i>Electrophoresis</i> , 1984 , 5, 209-216	3.6	44
482	Two-dimensional gel electrophoresis/matrix-assisted laser desorption/ionisation mass spectrometry of a milk powder. <i>Rapid Communications in Mass Spectrometry</i> , 2000 , 14, 1889-97	2.2	43

481	Unsteady heat transfer in capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1992 , 606, 95-102.	4.5	43
480	Isoelectric focusing in immobilized pH gradients in the pH 10-11 range. <i>Journal of Proteomics</i> , 1987 , 15, 41-8		43
479	Popeye strikes again: The deep proteome of spinach leaves. <i>Journal of Proteomics</i> , 2011 , 74, 127-36	3.9	42
478	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	3.2	41
477	Monitoring 2-D gel-induced modifications of proteins by MALDI-TOF mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2001 , 20, 121-41	11	41
476	Quantitation of glycated hemoglobins in human adult blood by capillary isoelectric focusing. <i>Electrophoresis</i> , 1996 , 17, 1590-6	3.6	41
475	Protein precipitation induced by alkaline Immobilines for isoelectric focusing in immobilized pH gradients: Causes and remedies. <i>Electrophoresis</i> , 1987 , 8, 305-312	3.6	41
474	Recent advances in capillary electrophoresis of DNA fragments and PCR products in poly(n-substituted acrylamides). <i>Analytical Biochemistry</i> , 1997 , 244, 195-207	3.1	40
473	DNA and buffers: the hidden danger of complex formation. <i>Biopolymers</i> , 2000 , 54, 137-42	2.2	40
472	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, 261-71	4.5	40
471	Unsteady heat transfer in capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1992 , 606, 103-111.	4.5	40
470	Molarity and ionic strength of focused carrier ampholytes in isoelectric focusing. <i>Journal of Chromatography A</i> , 1980 , 190, 275-82	4.5	40
469	Hemoglobin A1C separation by isoelectric focusing. <i>American Journal of Hematology</i> , 1978 , 4, 367-74	7.1	40
468	Poppea's bath liquor: the secret proteome of she-donkey's milk. <i>Journal of Proteomics</i> , 2011 , 74, 2083-93.	3.9	39
467	Electrophoresis gel media: the state of the art. <i>Biomedical Applications</i> , 1997 , 699, 63-75		39
466	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, 1619-25	3.6	39
465	Bioanalysis: its past, present, and some future. <i>Electrophoresis</i> , 2004 , 25, 2111-27	3.6	39
464	Spot overlapping in two-dimensional polyacrylamide gel electrophoresis maps: relevance to proteomics. <i>Electrophoresis</i> , 2003 , 24, 217-24	3.6	39

- 463 Probing soft polymeric coatings of a capillary by atomic force microscopy. *Biomedical Applications*, **1996**, 683, 3-13 39
- 462 Stable storage conditions of Immobiline chemicals for isoelectric focusing. *Journal of Proteomics*, **1988**, 16, 141-64 39
- 461 Combinatorial peptide ligand libraries: the conquest of the 'hidden proteome' advances at great strides. *Electrophoresis*, **2011**, 32, 960-6 3.6 38
- 460 Performance of combinatorial peptide libraries in capturing the low-abundance proteome of red blood cells. 2. Behavior of resins containing individual amino acids. *Analytical Chemistry*, **2008**, 80, 3557-65^{7,8} 38
- 459 Proteomic profiling of pancreatic ductal carcinoma cell lines treated with trichostatin-A. *Electrophoresis*, **2003**, 24, 1871-8 3.6 38
- 458 Macroporous gels: facts and misfacts. *Journal of Chromatography A*, **1995**, 698, 3-17 4.5 38
- 457 On the reproducibility of band position in electrophoretic separations. *Electrophoresis*, **1986**, 7, 76-83 3.6 38
- 456 Amphoteric, isoelectric immobiline membranes for preparative isoelectric focusing. *Journal of Proteomics*, **1987**, 14, 29-43 38
- 455 Fundamental properties of isoelectric buffers for capillary zone electrophoresis. *Journal of Chromatography A*, **1997**, 790, 169-176 4.5 37
- 454 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. *Electrophoresis*, **2001**, 22, 1633-44 3.6 37
- 453 Novel acrylamido monomers with higher hydrophilicity and improved hydrolytic stability: III. DNA separations by capillary electrophoresis in poly (N-acryloylaminopropanol). *Electrophoresis*, **1996**, 17, 738-43 3.6 37
- 452 Sodium dodecyl sulfate capillary electrophoresis of proteins in entangled solutions of poly(vinyl alcohol). *Journal of Chromatography A*, **1995**, 689, 85-96 4.5 37
- 451 Modern aspects of isoelectric focusing: two-dimensional maps and immobilized pH gradients. *Journal of Proteomics*, **1983**, 8, 89-108 37
- 450 Fractionation techniques in a hydro-organic environment. II. Acryloyl-morpholine polymers as a matrix for electrophoresis in hydro-organic solvents. *Analytical Biochemistry*, **1984**, 137, 420-8 3.1 37
- 449 In-depth proteomic analysis of banana (*Musa* spp.) fruit with combinatorial peptide ligand libraries. *Electrophoresis*, **2013**, 34, 207-14 3.6 36
- 448 In-depth proteomic analysis of non-alcoholic beverages with peptide ligand libraries. I: Almond milk and orgeat syrup. *Journal of Proteomics*, **2011**, 74, 1080-90 3.9 36
- 447 Plucking, pillaging and plundering proteomes with combinatorial peptide ligand libraries. *Journal of Chromatography A*, **2010**, 1217, 893-900 4.5 36
- 446 Art-loving bugs: the resurrection of Spinello Aretino from Pisa's cemetery. *Proteomics*, **2005**, 5, 2453-9 4.8 36

445	Investigation of the properties of novel acrylamido monomers by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1992 , 608, 333-341	4.5	36
444	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	4.5	36
443	Aggregation of ampholine on heparin and other acidic polysaccharides in isoelectric focusing. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1978 , 542, 232-44	4	36
442	Binding of polyanions to carrier ampholytes in isoelectric focusing. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1978 , 540, 357-64	4	36
441	From hundreds to thousands: Widening the normal human Urinome (1). <i>Journal of Proteomics</i> , 2015 , 112, 53-62	3.9	35
440	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, 932-42	3.9	35
439	Protein purification in multicompartiment electrolyzers with isoelectric membranes. <i>Biomedical Applications</i> , 1997 , 699, 105-15		35
438	Identification of maize lines via capillary electrophoresis of zeins in isoelectric, acidic buffers. <i>Electrophoresis</i> , 1998 , 19, 1738-41	3.6	35
437	The Alpher, Bethe, Gamow of isoelectric focusing, the alpha-Centauri of electrokinetic methodologies. Part I. <i>Electrophoresis</i> , 2006 , 27, 923-38	3.6	35
436	Searching for markers of Creutzfeldt-Jakob disease in cerebrospinal fluid by two-dimensional mapping. <i>Proteomics</i> , 2006 , 6 Suppl 1, S256-61	4.8	35
435	Surfing silica surfaces superciliously. <i>Journal of Chromatography A</i> , 2004 , 1053, 15-26	4.5	35
434	Electroosmosis of polymer solutions in fused silica capillaries. <i>Electrophoresis</i> , 1994 , 15, 623-6	3.6	35
433	New types of separation matrices for electrophoresis. <i>Electrophoresis</i> , 1995 , 16, 1815-29	3.6	35
432	Purification of recombinant human growth hormone by isoelectric focusing in a multicompartiment electrolyzer with Immobiline membranes. <i>Journal of Biotechnology</i> , 1992 , 25, 307-18	3.7	35
431	Isoelectric focusing of dansylated amino acids in immobilized pH gradients. <i>Electrophoresis</i> , 1986 , 7, 1283-183	3.8	35
430	Titration curves of liganded hemoglobins by combined isoelectric focusing-electrophoresis. <i>FEBS Letters</i> , 1978 , 94, 319-23	3.8	35
429	Synergistic effect of trichostatin A and 5-aza-2'-deoxycytidine on growth inhibition of pancreatic endocrine tumour cell lines: a proteomic study. <i>Proteomics</i> , 2009 , 9, 1952-66	4.8	34
428	Protein analysis by capillary zone electrophoresis utilizing a trifunctional diamine for silica coating. <i>Analytical Chemistry</i> , 2001 , 73, 3862-8	7.8	34

427	Temperature-programmed capillary electrophoresis for detection of DNA point mutations. <i>BioTechniques</i> , 1996 , 21, 926-28, 930, 932	2.5	34
426	Prediction of current-voltage dependence and electrochemical calibration for capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1992 , 625, 323-330	4.5	34
425	Method for Noninvasive Analysis of Proteins and Small Molecules from Ancient Objects. <i>Analytical Chemistry</i> , 2017 , 89, 3310-3317	7.8	33
424	Identification of avocado (<i>Persea americana</i>) pulp proteins by nano-LC-MS/MS via combinatorial peptide ligand libraries. <i>Electrophoresis</i> , 2012 , 33, 2799-805	3.6	33
423	Application of partial least squares discriminant analysis and variable selection procedures: a 2D-PAGE proteomic study. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 390, 1327-42	4.4	33
422	Two-dimensional molecular profiling of mantle cell lymphoma. <i>Electrophoresis</i> , 2003 , 24, 2376-85	3.6	33
421	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, 2396-403	3.9	32
420	Allergomic study of cypress pollen via combinatorial peptide ligand libraries. <i>Journal of Proteomics</i> , 2012 , 77, 101-10	3.9	32
419	Mehercules, adhuc Bacchus! The debate on wine proteomics continues. <i>Journal of Proteome Research</i> , 2011 , 10, 3789-801	5.6	32
418	Isoelectric focusing in immobilized pH gradients: an update. <i>Biomedical Applications</i> , 1997 , 699, 77-89		32
417	Generation of tryptic maps of alpha- and beta-globin chains by capillary electrophoresis in isoelectric buffers. <i>Journal of Chromatography A</i> , 1997 , 791, 313-22	4.5	32
416	Multivariate statistical tools applied to the characterization of the proteomic profiles of two human lymphoma cell lines by two-dimensional gel electrophoresis. <i>Electrophoresis</i> , 2006 , 27, 484-94	3.6	32
415	Capillary electrophoresis coupled to biosensor detection. <i>Journal of Chromatography A</i> , 2000 , 892, 143-53	4.5	32
414	Comparison of behavior of N-substituted acrylamides and celluloses on double-stranded DNA separations by capillary electrophoresis at 25 degrees and 60 degrees C. <i>Electrophoresis</i> , 1996 , 17, 1342-7	3.6	32
413	Computer simulation for capillary zone electrophoresis A quantitative approach. <i>Journal of Chromatography A</i> , 1994 , 667, 257-270	4.5	32
412	Binding of ampholine to transfer RNA. <i>Nucleic Acids and Protein Synthesis</i> , 1976 , 442, 309-15		32
411	"Proteomineering" or not? The debate on biomarker discovery in sera continues. <i>Journal of Proteomics</i> , 2011 , 74, 589-94	3.9	31
410	Proteomic analysis of pancreatic endocrine tumor cell lines treated with the histone deacetylase inhibitor trichostatin A. <i>Proteomics</i> , 2007 , 7, 1644-53	4.8	31

409	Resolution of G gamma and A gamma foetal haemoglobin tetramers in immobilized pH gradients. <i>Journal of Chromatography A</i> , 1987 , 398, 211-6	4.5	31
408	Isoelectric focusing of sparingly soluble proteins in immobilized pH gradients, exemplified by microvillar membrane hydrolases. <i>Journal of Proteomics</i> , 1986 , 12, 289-97		31
407	Ampholine-ampholine interaction as a cause of pH gradient drift in isoelectric focusing. <i>Journal of Chromatography A</i> , 1979 , 171, 161-169	4.5	31
406	Application of three-way principal component analysis to the evaluation of two-dimensional maps in proteomics. <i>Journal of Proteome Research</i> , 2003 , 2, 351-60	5.6	30
405	Monitoring equilibria and kinetics of protein folding/unfolding reactions by capillary zone electrophoresis. <i>Analytical Biochemistry</i> , 2000 , 282, 239-44	3.1	30
404	Variety identification in maize lines via capillary electrophoresis of zeins in isoelectric acidic buffers. <i>Electrophoresis</i> , 1999 , 20, 1595-604	3.6	30
403	Probing the reactivity of S-S bridges to acrylamide in some proteins under high pH conditions by matrix-assisted laser desorption/ionisation. <i>Rapid Communications in Mass Spectrometry</i> , 1999 , 13, 1818-22		30
402	Analysis of antisense oligonucleotides by capillary electrophoresis, gel-slab electrophoresis, and HPLC: a comparison. <i>Oligonucleotides</i> , 1996 , 6, 47-53		30
401	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, 640-3	3.6	30
400	Capillary zone electrophoresis of oligonucleotides in isoelectric buffers and against a stationary pH gradient. <i>Electrophoresis</i> , 1997 , 18, 717-23	3.6	29
399	Capturing and amplifying impurities from purified recombinant monoclonal antibodies via peptide library beads: a proteomic study. <i>Proteomics</i> , 2007 , 7, 1624-33	4.8	29
398	Assessment of protein expression by means of 2-D gel electrophoresis with and without mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2003 , 22, 272-84	11	29
397	Focusing of pepsin in strongly acidic immobilized pH gradients. <i>Journal of Proteomics</i> , 1988 , 16, 185-92		29
396	Harry Belafonte and the secret proteome of coconut milk. <i>Journal of Proteomics</i> , 2012 , 75, 914-20	3.9	28
395	The egg white and yolk interactomes as gleaned from extensive proteomic data. <i>Journal of Proteomics</i> , 2010 , 73, 1028-42	3.9	28
394	Continuous enzymatic hydrolysis of beta-casein and isoelectric collection of some of the biologically active peptides in an electric field. <i>Biotechnology Progress</i> , 1997 , 13, 258-64	2.8	28
393	Proteome analysis of rat polymorphonuclear leukocytes: a two-dimensional electrophoresis/mass spectrometry approach. <i>Electrophoresis</i> , 2002 , 23, 298-310	3.6	28
392	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, 633-40	3.6	28

391	Focusing of alkaline proteases (subtilisins) in pH 10-12 immobilized gradients. <i>Electrophoresis</i> , 1994 , 15, 1535-40	3.6	28
390	Capillary electrophoresis of polymerase chain reaction-amplified products in polymer networks: the case of Kennedy's disease. <i>Electrophoresis</i> , 1994 , 15, 644-6	3.6	28
389	Purification of human recombinant superoxide dismutase by isoelectric focusing in a multicompartment electrolyzer with zwitterionic membranes. <i>Electrophoresis</i> , 1994 , 15, 647-53	3.6	28
388	Isoelectric focusing of histones in extremely alkaline immobilized pH gradients: comparison with capillary electrophoresis. <i>Journal of Chromatography A</i> , 1994 , 686, 121-128	4.5	28
387	The Immobiline family: from "vacuum" to "plenum" chemistry. <i>Electrophoresis</i> , 1992 , 13, 187-91	3.6	28
386	Purification to single isoforms of a secreted epidermal growth factor receptor in a multicompartment electrolyzer with isoelectric membranes. <i>Electrophoresis</i> , 1992 , 13, 668-73	3.6	28
385	Computer-assisted determination of the inner temperature and peak correction for capillary electrophoresis. <i>Journal of Chromatography A</i> , 1993 , 652, 329-336	4.5	28
384	Recent developments in electrophoretic methods. <i>Journal of Chromatography A</i> , 1990 , 516, 3-22	4.5	28
383	Long-term storage of free and polyacrylamide gel-bound Immobiline chemicals. <i>Electrophoresis</i> , 1985 , 6, 162-170	3.6	28
382	Isoelectric focusing of oligopeptides: detection by specific stains. <i>Journal of Proteomics</i> , 1979 , 1, 237-51		28
381	Combinatorial peptide ligand libraries as a "Trojan Horse" in deep discovery proteomics. <i>Analytical Chemistry</i> , 2015 , 87, 293-305	7.8	27
380	Unearthing Bulgakov's trace proteome from the Master i Margarita manuscript. <i>Journal of Proteomics</i> , 2017 , 152, 102-108	3.9	27
379	Electrophoresis of DNA sequencing fragments at elevated temperature in capillaries filled with poly(N-acryloylaminopropanol) gels. <i>Electrophoresis</i> , 1997 , 18, 2909-14	3.6	27
378	Production of D-phenylglycine from racemic (D,L)-phenylglycine via isoelectrically-trapped penicillin G acylase. <i>Biotechnology and Bioengineering</i> , 1998 , 60, 454-61	4.9	27
377	Isoelectric focusing in immobilized pH gradients: theory and newer methodology. <i>Methods of Biochemical Analysis</i> , 1987 , 32, 215-78		27
376	HydroLink gel electrophoresis (HLGE). I. Matrix characterization. <i>Journal of Proteomics</i> , 1989 , 19, 37-49		27
375	A horizontal apparatus for isoelectric protein purification in a segmented immobilized pH gradient. <i>Journal of Proteomics</i> , 1987 , 15, 189-98		27
374	Orange proteomic fingerprinting: From fruit to commercial juices. <i>Food Chemistry</i> , 2016 , 196, 739-49	8.5	26

373	Protein biomarkers for early detection of diseases: The decisive contribution of combinatorial peptide ligand libraries. <i>Journal of Proteomics</i> , 2018 , 188, 1-14	3.9	26
372	"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	3.9	26
371	Detection of p53 point mutations by double-gradient, denaturing gradient gel electrophoresis. <i>Electrophoresis</i> , 1997 , 18, 2921-7	3.6	26
370	A new approach for the removal of protein impurities from purified biologicals using combinatorial solid-phase ligand libraries. <i>Electrophoresis</i> , 2006 , 27, 3018-27	3.6	26
369	Protein folding observed by capillary electrophoresis in isoelectric buffers. <i>Journal of Chromatography A</i> , 1999 , 838, 131-8	4.5	26
368	Separation of peptides in isoelectric cysteine acid buffer and hydroorganic solvents (hexafluoro-2-propanol/urea). <i>Journal of Chromatography A</i> , 1999 , 840, 117-129	4.5	26
367	General experimental aspects of the use of isoelectric buffers in capillary electrophoresis. <i>Journal of Chromatography A</i> , 1999 , 853, 71-82	4.5	26
366	Capillary electrophoresis of peptides and proteins in acidic, isoelectric buffers: recent developments. <i>Journal of Proteomics</i> , 1999 , 40, 1-15		26
365	Gene dosage in capillary electrophoresis: pre-natal diagnosis of Down's syndrome. <i>Journal of Chromatography A</i> , 1995 , 718, 405-12	4.5	26
364	Method for measuring very weak, residual electroosmotic flow in coated capillaries. <i>Journal of Chromatography A</i> , 1996 , 744, 55-61	4.5	26
363	Fish species identification by isoelectric focusing of parvalbumins in immobilized pH gradients. <i>Electrophoresis</i> , 1996 , 17, 1380-5	3.6	26
362	Recipe for a pH 3.5 immobilized gradient for isoelectric focusing. <i>Journal of Chromatography A</i> , 1986 , 356, 9-14	4.5	26
361	Additives for immobilized pH gradient two-dimensional separation of particulate material: comparison between commercial and new synthetic detergents. <i>Analytical Biochemistry</i> , 1987 , 165, 247-57	3.1	26
360	The behavior of serum albumin upon isoelectric focusing on immobilized pH gradients. <i>Electrophoresis</i> , 1984 , 5, 310-312	3.6	26
359	Towards the non-invasive proteomic analysis of cultural heritage objects. <i>Microchemical Journal</i> , 2018 , 139, 450-457	4.8	25
358	The peel and pulp of mango fruit: a proteomic samba. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013 , 1834, 2539-45	4	25
357	Omega-iodoalkylammonium salts as permanent capillary silica wall modifiers. Comparative analysis of their structural parameters and substituent effects. <i>Journal of Chromatography A</i> , 2001 , 924, 71-81	4.5	25
356	Matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry for monitoring alkylation of beta-lactoglobulin B exposed to a series of N-substituted acrylamide monomers. <i>Rapid Communications in Mass Spectrometry</i> , 1999 , 13, 2209-15	2.2	25

355	Immobilized pH gradients (IPG) simulator--an additional step in pH gradient engineering: I. Linear pH gradients. <i>Electrophoresis</i> , 1991 , 12, 1011-21	3.6	25
354	Conventional isoelectric focusing and immobilized pH gradients in 'macroporous' polyacrylamide gels. <i>Electrophoresis</i> , 1993 , 14, 583-90	3.6	25
353	Global proteome analysis in plants by means of peptide libraries and applications. <i>Journal of Proteomics</i> , 2016 , 143, 3-14	3.9	24
352	The Silk Road, Marco Polo, a Bible and its proteome: a detective story. <i>Journal of Proteomics</i> , 2012 , 75, 3365-73	3.9	24
351	DNA-histidine complex formation in isoelectric histidine buffers. <i>Journal of Chromatography A</i> , 1999 , 838, 179-89	4.5	24
350	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, 135-46	4.5	24
349	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		24
348	Immobilized pH gradients (IPG) simulator--an additional step in pH gradient engineering: II. Nonlinear pH gradients. <i>Electrophoresis</i> , 1991 , 12, 1021-7	3.6	24
347	Enantiomer resolution in immobilized pH gradient gels via inclusion of a chiral discriminator. <i>Electrophoresis</i> , 1990 , 11, 1-4	3.6	24
346	Mass distribution and focusing properties of carrier ampholytes for isoelectric focusing: I. Novel and unexpected results. <i>Electrophoresis</i> , 2006 , 27, 3919-34	3.6	23
345	Proteomic analysis of pancreatic ductal carcinoma cells after combined treatment with gemcitabine and trichostatin A. <i>Journal of Proteome Research</i> , 2005 , 4, 1909-16	5.6	23
344	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	5.5	23
343	Isoelectric focusing in immobilized pH gradients. <i>Analytical Chemistry</i> , 1989 , 61, 1602-1612	7.8	23
342	Buffer systems and pH gradient simulation. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1987 , 1, 349-358	3.8	23
341	pH gradients generated by polyprotic buffers. II. Experimental validation. <i>Journal of Proteomics</i> , 1988 , 16, 129-40		23
340	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, 356-65		23
339	Applications of isoelectric focusing to the analysis of plant and food proteins. <i>Electrophoresis</i> , 1981 , 2, 65-75	3.6	23
338	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	3.9	22

337	SDS-PAGE under focusing conditions: an electrokinetic transport phenomenon based on charge compensation. <i>Analytical Chemistry</i> , 2007 , 79, 821-7	7.8	22
336	The use of gel and capillary electrophoresis to investigate some of the fundamental physical properties of DNA. <i>Electrophoresis</i> , 2002 , 23, 167-75	3.6	22
335	New approach based on fuzzy logic and principal component analysis for the classification of two-dimensional maps in health and disease. Application to lymphomas. <i>Journal of Chromatography A</i> , 2003 , 1004, 13-28	4.5	22
334	The proteome: anno Domini 2002. <i>Clinical Chemistry and Laboratory Medicine</i> , 2003 , 41, 425-38	5.9	22
333	Validation of Double Gradient Denaturing Gradient Gel Electrophoresis through Multigenic Retrospective Analysis. <i>Clinical Chemistry</i> , 1999 , 45, 35-40	5.5	22
332	Use of MDL 63 246 (Hepta-Tyr) antibiotic in capillary zone electrophoresis: II. Chiral resolution of Hydroxy acids. <i>Journal of Chromatography A</i> , 1999 , 838, 223-235	4.5	22
331	Gel polymerization in detergents: conversion efficiency of methylene blue vs. persulfate catalysis, as investigated by capillary zone electrophoresis. <i>Electrophoresis</i> , 1994 , 15, 209-14	3.6	22
330	Probing the inner surface of a capillary with the atomic force microscope. <i>Electrophoresis</i> , 1995 , 16, 1445-50	3.5	22
329	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	3.6	22
328	pH gradients generated by polyprotic buffers. I. Theory and computer simulation. <i>Journal of Proteomics</i> , 1988 , 16, 109-28		22
327	Titration curves of polypeptide chains by combined isoelectric focusing-electrophoresis in 8 M urea. <i>Journal of Chromatography A</i> , 1979 , 177, 219-25	4.5	22
326	Iodine stain for detection of peptides after isoelectric focusing. <i>Journal of Proteomics</i> , 1980 , 3, 135-41		22
325	Zeus, Aesculapius, Amalthea and the proteome of goat milk. <i>Journal of Proteomics</i> , 2015 , 128, 69-82	3.9	21
324	Maestro, Marguerite, morphine: The last years in the life of Mikhail Bulgakov. <i>Journal of Proteomics</i> , 2016 , 131, 199-204	3.9	21
323	Recent advances in electrophoretic techniques for the characterization of protein biomolecules: a poker of aces. <i>Journal of Chromatography A</i> , 2011 , 1218, 8727-37	4.5	21
322	Efficient removal of DNA from proteomic samples prior to two-dimensional map analysis. <i>Journal of Chromatography A</i> , 2009 , 1216, 3606-12	4.5	21
321	Human globin chain separation by capillary electrophoresis in acidic isoelectric buffers. <i>Electrophoresis</i> , 1998 , 19, 1733-7	3.6	21
320	Isoelectric focusing of basic proteases in immobilized pH gradients. <i>Journal of Proteomics</i> , 1987 , 15, 199-206		21

- 319 Fractionation techniques in a hydro-organic environment. I. Sulfolane as a solvent for hydrophobic proteins. *Analytical Biochemistry*, **1984**, 137, 410-9 3.1 21
- 318 Itaconic acid carrier ampholytes for isoelectric focusing. *Journal of Chromatography A*, **1977**, 134, 279-84 4.5 21
- 317 "The quest for biomarkers": are we on the right technical track?. *Proteomics - Clinical Applications*, **2012**, 6, 22-41 3.1 20
- 316 Going nuts for nuts? The trace proteome of a Cola drink, as detected via combinatorial peptide ligand libraries. *Journal of Proteome Research*, **2011**, 10, 2684-6 5.6 20
- 315 Simplified mathematical model of irreversible sample adsorption in capillary zone electrophoresis. *Journal of Chromatography A*, **1997**, 766, 171-185 4.5 20
- 314 Proteomics and immunomapping of reactive lymph-node and lymphoma. *Electrophoresis*, **2002**, 23, 356-62 6.2 20
- 313 Single-strand conformation polymorphism for p53 mutation by a combination of neutral pH buffer and temperature gradient in capillary electrophoresis. *Electrophoresis*, **2002**, 23, 1517-23 3.6 20
- 312 Single-strand conformation polymorphism analysis by capillary zone electrophoresis in neutral pH buffer. *Electrophoresis*, **2000**, 21, 785-91 3.6 20
- 311 Capillary electrophoresis of DNA in the 20-500 bp range: recent developments. *Journal of Proteomics*, **1999**, 41, 75-90 20
- 310 Preparative isoelectric focusing in multicompartiment electrolyzers: novel, hydrolytically stable and hydrophilic isoelectric membranes. *Electrophoresis*, **1994**, 15, 953-9 3.6 20
- 309 Isoelectric focusing in a multicompartiment electrolyzer with zwitterionic membranes, exemplified by purification of glucoamylase. *Journal of Proteomics*, **1993**, 27, 199-213 20
- 308 Reaction of lysine with aldoses. *Carbohydrate Research*, **1985**, 145, 99-112 2.9 20
- 307 Human globin chain separation by isoelectric focusing in ultrathin polyacrylamide gels. *Clinica Chimica Acta*, **1980**, 107, 223-9 6.2 20
- 306 Isoelectric focusing following by electrophoresis of proteins for visualizing their titration curves by zymogram and immunofixation. *Journal of Proteomics*, **1980**, 3, 65-75 20
- 305 High-molecular-weight carrier ampholytes for isoelectric focusing of peptides. *Journal of Proteomics*, **1981**, 5, 259-72 20
- 304 It's time to pop a cork on champagne's proteome!. *Journal of Proteomics*, **2014**, 105, 351-62 3.9 19
- 303 pI-based fractionation of serum proteomes versus anion exchange after enhancement of low-abundance proteins by means of peptide libraries. *Journal of Proteomics*, **2009**, 72, 1061-70 3.9 19
- 302 Temperature-programmed capillary electrophoresis for the analysis of high-melting point mutants in thalassemias. *Electrophoresis*, **1997**, 18, 724-31 3.6 19

301	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	4.5	19
300	Mass distribution, polydispersity and focusing properties of carrier ampholytes for IEF. IV: pH 6-8 intervals. <i>Electrophoresis</i> , 2007 , 28, 1488-94	3.6	19
299	Mass distribution, polydispersity and focusing properties of carrier ampholytes for IEF II: pH 4-6 intervals. <i>Electrophoresis</i> , 2006 , 27, 4849-58	3.6	19
298	Mechanism of action of quaternary diamino quenchers in capillary zone electrophoresis. <i>Electrophoresis</i> , 2003 , 24, 121-9	3.6	19
297	Is gravity on our way? The case of polyacrylamide gel polymerization. <i>Electrophoresis</i> , 1994 , 15, 1005-13	3.6	19
296	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, 1337-44	3.6	19
295	Synthesis of thiomorpholino buffers for isoelectric focusing in immobilized pH gradients. <i>Electrophoresis</i> , 1990 , 11, 617-20	3.6	19
294	Formation of a cysteine-acrylamide adduct in isoelectric focusing gels. <i>Journal of Chromatography A</i> , 1990 , 500, 697-704	4.5	19
293	Proteomic analysis of anti-angiogenic effects by a combined treatment with vinblastine and rapamycin in an endothelial cell line. <i>Proteomics</i> , 2006 , 6, 4420-31	4.8	18
292	Decoding two-dimensional polyacrylamide gel electrophoresis complex maps by autocovariance function: a simplified approach useful for proteomics. <i>Electrophoresis</i> , 2005 , 26, 2739-48	3.6	18
291	Proteomic approaches for studying chemoresistance in cancer. <i>Expert Review of Proteomics</i> , 2005 , 2, 215-28	4.2	18
290	Detection of neutral and charged mutations in alpha- and beta-human globin chains by capillary zone electrophoresis in isoelectric, acidic buffers. <i>Journal of Chromatography A</i> , 1999 , 832, 225-38	4.5	18
289	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	4.5	18
288	Artifactual Peak Splitting in Capillary Electrophoresis. 2. Defocusing Phenomena for Ampholytes. <i>Analytical Chemistry</i> , 1995 , 67, 2957-2965	7.8	18
287	Rh D/d genotyping by quantitative polymerase chain reaction and capillary zone electrophoresis. <i>Electrophoresis</i> , 1996 , 17, 1911-5	3.6	18
286	Protein microheterogeneity and crystal habits: the case of epidermal growth factor receptor isoforms as isolated in a multicompartiment electrolyzer with isoelectric membranes. <i>Journal of Chromatography A</i> , 1994 , 679, 181-9	4.5	18
285	Simultaneous detection of delta F508, G542X, N1303K and 1717-1G-->A mutations in cystic fibrosis by capillary electrophoresis in polymer networks. <i>Clinica Chimica Acta</i> , 1994 , 229, 181-9	6.2	18
284	Fractionation of carrier ampholytes in multicompartiment electrolyzers with isoelectric membranes. <i>Electrophoresis</i> , 1995 , 16, 1930-4	3.6	18

283	Kinetics of acrylamide photopolymerization as investigated by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1992 , 598, 277-285	4.5	18
282	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	3.6	18
281	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	3.6	18
280	Serum protein analysis on immobilized pH gradients with in situ adsorption of albumin on Dextran Blue. <i>Electrophoresis</i> , 1985 , 6, 326-331	3.6	18
279	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	3.6	18
278	The need for agriculture phenotyping: "moving from genotype to phenotype". <i>Journal of Proteomics</i> , 2013 , 93, 20-39	3.9	17
277	Combinatorial peptide libraries to overcome the classical affinity-enrichment methods in proteomics. <i>Amino Acids</i> , 2013 , 45, 219-29	3.5	17
276	Combinatorial ligand libraries as a two-dimensional method for proteome analysis. <i>Journal of Chromatography A</i> , 2013 , 1297, 106-12	4.5	17
275	En bloc elution of proteomes from combinatorial peptide ligand libraries. <i>Journal of Proteomics</i> , 2009 , 72, 725-30	3.9	17
274	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, 2915-20	3.6	17
273	Use of a Hepta-tyr glycopeptide antibiotic as chiral selector in capillary electrophoresis. <i>Electrophoresis</i> , 1998 , 19, 1742-51	3.6	17
272	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	3.2	17
271	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	4.5	17
270	Purification of glycopeptide antibiotics by isoelectric focusing in multicompartement electrolyzers with immobilized membranes. <i>Electrophoresis</i> , 1996 , 17, 1234-41	3.6	17
269	Purification of thermamylase in multicompartement electrolyzers with isoelectric membranes: the problem of protein solubility. <i>Electrophoresis</i> , 1996 , 17, 1242-7	3.6	17
268	Capillary zone electrophoresis in polymer networks of polymerase chain reaction-amplified oligonucleotides: the case of congenital adrenal hyperplasia. <i>Biomedical Applications</i> , 1994 , 657, 201-5		17
267	Characterization of proteins by sequential isoelectric focusing on immobilized pH gradients and electrospray mass spectrometry. <i>Electrophoresis</i> , 1995 , 16, 1381-4	3.6	17
266	Polyacrylamide gel polymerization under non-oxidizing conditions, as monitored by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1992 , 598, 287-297	4.5	17

265	On the kinetics of photopolymerization: a theoretical study. <i>Electrophoresis</i> , 1993 , 14, 191-201	3.6	17
264	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	3.6	17
263	Determination of glycosylated haemoglobin by isoelectric focusing in non-linear pH gradients. <i>Biomedical Applications</i> , 1984 , 307, 103-10		17
262	Which electrodic solutions for immobilized pH gradients?. <i>Journal of Proteomics</i> , 1986 , 12, 227-37		17
261	FACTS AND ARTEFACTS IN ISOELECTRIC FOCUSING 1980 , 129-140		17
260	Molecular weight distribution of carrier ampholytes for isoelectric focusing. <i>Journal of Chromatography A</i> , 1981 , 209, 265-272	4.5	17
259	An N-methylpolyvinylpyridinium cationic polymer for capillary coating in electrophoresis of proteins and peptides. <i>Electrophoresis</i> , 2009 , 30, 2313-20	3.6	16
258	Isoelectrically trapped enzymatic bioreactors in a multimembrane cell coupled to an electric field: theoretical modeling and experimental validation with urease. <i>Biotechnology and Bioengineering</i> , 1997 , 53, 110-9	4.9	16
257	Isotachopheresis at pH extremes: theory and experimental validation. <i>Electrophoresis</i> , 1998 , 19, 192-205	3.6	16
256	Mass distribution, polydispersity and focusing properties of carrier ampholytes for IEF. III: pH 2.5-4 intervals. <i>Electrophoresis</i> , 2007 , 28, 715-23	3.6	16
255	Computer simulation of affinity capillary electrophoresis. <i>Electrophoresis</i> , 2002 , 23, 889-95	3.6	16
254	Proteomic changes in rat serum, polymorphonuclear and mononuclear leukocytes after chronic nicotine administration. <i>Proteomics</i> , 2005 , 5, 1382-94	4.8	16
253	Investigation of the properties of acrylamide bifunctional monomers (cross-linkers) by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1992 , 608, 343-348	4.5	16
252	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, 337-50	4.5	16
251	Capillary zone electrophoresis for monitoring r-DNA protein purification in multi-compartment electrolyzers with immobiline membranes. <i>Journal of Chromatography A</i> , 1990 , 516, 133-46	4.5	16
250	High-resolution two-dimensional electrophoresis of myofibrillar proteins with immobilized pH gradients. <i>Electrophoresis</i> , 1986 , 7, 159-165	3.6	16
249	Detection of neutral amino acid mutations by immobilized pH gradients: The case of the T β variant in fetal hemoglobin Sardinia. <i>Electrophoresis</i> , 1986 , 7, 213-216	3.6	16
248	Two-dimensional analysis of membrane proteins with isoelectric focusing in immobilized pH gradients in the first dimension. <i>Electrophoresis</i> , 1986 , 7, 537-543	3.6	16

- 247 Isoelectric protein purification in segmented immobilized pH gradients. Effect of salts on rate of contaminants' removal. *Journal of Proteomics*, **1987**, 15, 177-87 16
- 246 Analytical and preparative isoelectric focusing of peptides in immobilized pH gradients. *Journal of Proteomics*, **1983**, 8, 339-51 16
- 245 New experimental approaches to the isoelectric fractionation of cells. *Journal of Chromatography A*, **1980**, 194, 323-33 4.5 16
- 244 Distribution of carrier ampholytes in isoelectric focusing. *Journal of Chromatography A*, **1977**, 138, 213-215 4.5 16
- 243 Widening and diversifying the proteome capture by combinatorial peptide ligand libraries via Alcian Blue dye binding. *Analytical Chemistry*, **2015**, 87, 4814-20 7.8 15
- 242 Anton Chekhov and Robert Koch Cheek to Cheek: A Proteomic Study. *Proteomics*, **2018**, 18, e1700447 4.8 15
- 241 An in depth proteomic analysis based on ProteoMiner, affinity chromatography and nano-HPLC-MS/MS to explain the potential health benefits of bovine colostrum. *Journal of Pharmaceutical and Biomedical Analysis*, **2016**, 121, 297-306 3.5 15
- 240 The secrets of Oriental panacea: Panax ginseng. *Journal of Proteomics*, **2016**, 130, 150-9 3.9 15
- 239 A sarabande of tropical fruit proteomics: Avocado, banana, and mango. *Proteomics*, **2015**, 15, 1639-45 4.8 15
- 238 Breakfast at Tiffany's? Only with a low-abundance proteomic signature!. *Electrophoresis*, **2012**, 33, 2228-36 3.6 15
- 237 Artichoke and Cynar liqueur: two (not quite) entangled proteomes. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2013**, 1834, 119-26 4 15
- 236 Immobilized pH gradients. *Electrophoresis*, **2009**, 30 Suppl 1, S112-21 3.6 15
- 235 Recent advances in capillary zone electrophoresis of DNA. *Forensic Science International*, **1998**, 92, 239-50.6 5.6 15
- 234 The Alpher, Bethe and Gamow of IEF, the alpha-Centaury of electrokinetic methodologies. Part II: immobilized pH gradients. *Electrophoresis*, **2007**, 28, 545-55 3.6 15
- 233 Cerebrospinal fluid biomarkers in clinically isolated syndromes and multiple sclerosis. *Proteomics - Clinical Applications*, **2007**, 1, 963-71 3.1 15
- 232 Behaviour of inorganic and organic cations in the Debye-Hückel layer of DNA. *Journal of Chromatography A*, **2001**, 920, 309-16 4.5 15
- 231 CAG triplet analysis in families with androgen insensitivity syndrome by capillary electrophoresis in polymer networks. *Journal of Chromatography A*, **1995**, 706, 463-8 4.5 15
- 230 Separation and quantitation of reverse transcriptase polymerase chain reaction fragments of basic fibroblast growth factor by capillary electrophoresis in polymer networks. *Electrophoresis*, **1995**, 16, 780-3 3.6 15

229	Carrier ampholyte-mediated oxidation of proteins in isoelectric focusing. <i>Journal of Chromatography A</i> , 1989 , 475, 283-292	4.5	15
228	Detection of electrophoretically silent mutations by immobilized pH gradients. <i>Journal of Chromatography A</i> , 1986 , 361, 223-9	4.5	15
227	Buffer isoelectric focusing revisited. <i>Journal of Chromatography A</i> , 1988 , 440, 367-377	4.5	15
226	Reaction of human serum albumin with aldoses. <i>Carbohydrate Research</i> , 1985 , 145, 113-22	2.9	15
225	Gold staining in cellulose acetate membranes. <i>Clinica Chimica Acta</i> , 1986 , 157, 167-74	6.2	15
224	pH-MOBILITY CURVES OF PROTEINS BY ISOELECTRIC FOCUSING COMBINED WITH ELECTROPHORESIS AT RIGHT ANGLES 1980 , 23-38		15
223	Novel low-abundance allergens from mango via combinatorial peptide libraries treatment: A proteomics study. <i>Food Chemistry</i> , 2018 , 269, 652-660	8.5	15
222	Lemon peel and Limoncello liqueur: a proteomic duet. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013 , 1834, 1484-91	4	14
221	Reproducibility of combinatorial peptide ligand libraries for proteome capture evaluated by selected reaction monitoring. <i>Journal of Proteomics</i> , 2013 , 89, 215-26	3.9	14
220	Study of haptoglobin-hemoglobin complexes by titration curves, capillary electrophoresis and capillary isoelectric focusing. <i>Journal of Chromatography A</i> , 1997 , 767, 255-62	4.5	14
219	Piperazine quaternary diammonium salts as additives to background electrolytes in capillary zone electrophoresis. <i>Electrophoresis</i> , 2003 , 24, 4189-96	3.6	14
218	Isoelectric beads for proteome pre-fractionation. II: experimental evaluation in a multicompartement electrolyzer. <i>Proteomics</i> , 2005 , 5, 629-38	4.8	14
217	Dissociation of polyvalent electrolytes. <i>Journal of Chromatography A</i> , 1999 , 853, 35-44	4.5	14
216	'Tunable' positive and negative surface charges on a capillary wall: exploiting the Immobiline chemistry. <i>Journal of Proteomics</i> , 1996 , 32, 109-24		14
215	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	4.5	14
214	Immobilized pH 2.5-11 gradients for two-dimensional electrophoresis. <i>Electrophoresis</i> , 1992 , 13, 210-4	3.6	14
213	Kinetics of cysteine oxidation in immobilized pH gradient gels. <i>Journal of Chromatography A</i> , 1990 , 499, 699-711	4.5	14
212	Removal of oligomers and n-mers from the immobiline chemicals for isoelectric focusing. <i>Journal of Chromatography A</i> , 1987 , 402, 105-113	4.5	14

211	Isoelectric focusing in non-amphoteric buffers. <i>Journal of Chromatography A</i> , 1985 , 334, 71-82	4.5	14
210	Electrophoretic separation of A gamma and G gamma human globin chains in Nonidet P-40. <i>Clinica Chimica Acta</i> , 1979 , 99, 7-11	6.2	14
209	Proteomics of fruits and beverages. <i>Current Opinion in Food Science</i> , 2015 , 4, 76-85	9.8	13
208	Ginger Rogers? No, Ginger Ale and its invisible proteome. <i>Journal of Proteomics</i> , 2012 , 75, 1960-5	3.9	13
207	Horam nonam exclamavit: sitio. The trace proteome of your daily vinegar. <i>Journal of Proteomics</i> , 2011 , 75, 718-24	3.9	13
206	Ampholyte dissociation theory and properties of ampholyte aqueous solutions. <i>Electrophoresis</i> , 1997 , 18, 1944-50	3.6	13
205	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	4.5	13
204	Protein desalting by isoelectric focusing in a segmented immobilized pH gradient. <i>Journal of Proteomics</i> , 1987 , 15, 163-76		13
203	A miniaturized sensor for detection of formaldehyde fumes. <i>Electrophoresis</i> , 2017 , 38, 2168-2174	3.6	12
202	Identification of plum and peach seed proteins by nLC-MS/MS via combinatorial peptide ligand libraries. <i>Journal of Proteomics</i> , 2016 , 148, 105-12	3.9	12
201	Leonardo's Donna Nuda unveiled. <i>Journal of Proteomics</i> , 2019 , 207, 103450	3.9	12
200	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, 1702-10	4	12
199	SDS-PAGE focusing: preparative aspects. <i>Analytical Chemistry</i> , 2007 , 79, 8624-30	7.8	12
198	Amphoteric, buffering chromatographic beads for proteome prefractionation. I: theoretical model. <i>Proteomics</i> , 2005 , 5, 620-8	4.8	12
197	Enzyme reactions in a multicompartment electrolyzer with isoelectrically trapped enzymes. <i>Journal of Proteomics</i> , 1996 , 31, 93-104		12
196	Investigation on minor degraded derivatives of the recombinant hirudin variant HM2 from <i>Hirudinaria manillensis</i> isolated by isoelectric focusing in multicompartment electrolyzers. <i>Electrophoresis</i> , 1996 , 17, 932-7	3.6	12
195	Towards new formulations for polyacrylamide matrices, as investigated by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1993 , 638, 165-178	4.5	12
194	Antenatal diagnosis of beta-thalassemia by isoelectric focusing in immobilized pH gradients. <i>American Journal of Hematology</i> , 1986 , 22, 285-93	7.1	12

193	Degradation kinetics of an alkaline Immobiline in the frozen state. <i>Electrophoresis</i> , 1986 , 7, 527-529	3.6	12
192	Diffusion coefficients of proteins in carrier ampholyte versus immobiline gels. <i>Journal of Chromatography A</i> , 1987 , 390, 225-36	4.5	12
191	Charge heterogeneity of human protein C revealed by isoelectric focusing in immobilized pH gradients. <i>Electrophoresis</i> , 1985 , 6, 373-376	3.6	12
190	pK determinations via pH-mobility curves obtained by isoelectric focusing-electrophoresis: theory and experimental verification. <i>Journal of Proteomics</i> , 1980 , 3, 323-38		12
189	From hundreds to thousands: Widening the normal human Urinome. <i>Data in Brief</i> , 2014 , 1, 25-8	1.2	11
188	Plasma proteomics for biomarker discovery: a study in blue. <i>Electrophoresis</i> , 2011 , 32, 3638-44	3.6	11
187	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	5.5	11
186	Non-isocratic capillary electrophoresis for detection of DNA point mutations. <i>Biomedical Applications</i> , 1997 , 697, 195-205		11
185	Monitoring folding transitions of synthetic, branched-chain polypeptides by capillary zone electrophoresis. <i>Electrophoresis</i> , 2003 , 24, 794-800	3.6	11
184	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, 210-6	2.2	11
183	Probing protein unfolding through monitoring cysteine alkylation by matrix-assisted laser desorption/ionisation mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2000 , 14, 1925-37	2.2	11
182	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, 2911-8	3.6	11
181	Isoelectric focusing in immobilized pH gradients. <i>Methods in Enzymology</i> , 1996 , 270, 235-55	1.7	11
180	Sample-streaks and smears in immobilized pH gradient gels. <i>Electrophoresis</i> , 1996 , 17, 704-8	3.6	11
179	Immobilized pH gradients: new pK values of acrylamido buffers in poly(N-acryloylaminoethoxyethanol) matrices. <i>Electrophoresis</i> , 1994 , 15, 1112-7	3.6	11
178	On the computational approach to immobilized pH gradients. <i>Electrophoresis</i> , 1991 , 12, 693-703	3.6	11
177	Two-dimensional maps in the most extended (pH 2.5-11) immobilized pH gradient interval. <i>Journal of Proteomics</i> , 1990 , 21, 173-9		11
176	Isoenzyme analysis of lichen algae in immobilized pH gradients. <i>Electrophoresis</i> , 1988 , 9, 187-91	3.6	11

175	Direct recovery of proteins into a free-liquid phase after preparative isoelectric focusing in immobilized pH gradients. <i>Journal of Proteomics</i> , 1986 , 13, 151-9		11
174	Progress in farm animal proteomics: The contribution of combinatorial peptide ligand libraries. <i>Journal of Proteomics</i> , 2019 , 197, 1-13	3.9	11
173	Polyphemus, Odysseus and the ovine milk proteome. <i>Journal of Proteomics</i> , 2017 , 152, 58-74	3.9	10
172	Anyone for an aperitif? Yes, but only a Braulio DOC with its certified proteome. <i>Journal of Proteomics</i> , 2012 , 75, 3374-9	3.9	10
171	In depth exploration of the hemolymph of <i>Limulus polyphemus</i> via combinatorial peptide ligand libraries. <i>Journal of Proteome Research</i> , 2010 , 9, 3260-9	5.6	10
170	Mass distribution, polydispersity, and focusing properties of carrier ampholytes for IEF. Part V: pH 9-11 interval. <i>Electrophoresis</i> , 2007 , 28, 3156-62	3.6	10
169	A pl-based protein fractionation method using solid-state buffers. <i>Journal of Proteomics</i> , 2008 , 71, 379-89	3.9	10
168	Do orientation effects contribute to the molecular weight dependence of the free solution mobility of DNA?. <i>Electrophoresis</i> , 2001 , 22, 4311-5	3.6	10
167	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, 1141-8	2.2	10
166	Investigating the reaction of a number of gel electrophoresis cross-linkers with beta-lactoglobulin by matrix assisted laser desorption/ionization-mass spectrometry. <i>Electrophoresis</i> , 2000 , 21, 3684-92	3.6	10
165	Capillary electrophoresis of nicotinamideadenine dinucleotide and nicotinamideadenine dinucleotide phosphate derivatives in coated tubular columns. <i>Journal of Chromatography A</i> , 1994 , 670, 215-221	4.5	10
164	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	4.5	10
163	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, 325-32	3.6	10
162	Two-dimensional maps in very acidic immobilized pH gradients. <i>Journal of Proteomics</i> , 1990 , 20, 345-52		10
161	Properties of thin-rod immobilized pH gradients. <i>Electrophoresis</i> , 1988 , 9, 172-82	3.6	10
160	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	3.6	10
159	Coexistence of steady state and transient state in isoelectric focusing. <i>Journal of Chromatography A</i> , 1978 , 166, 55-64	4.5	10
158	Optimized sample treatment protocol by solid-phase peptide libraries to enrich for protein traces. <i>Amino Acids</i> , 2013 , 45, 1431-42	3.5	9

157	Mark Twain: how to fathom the depth of your pet proteome. <i>Journal of Proteomics</i> , 2012 , 75, 4783-91	3.9	9
156	Proteomic analysis of Lycium barbarum (Goji) fruit via combinatorial peptide ligand libraries. <i>Electrophoresis</i> , 2013 , 34, 1729-1736	3.6	9
155	"Proteomineering" serum biomarkers. A study in scarlet. <i>Electrophoresis</i> , 2011 , 32, 976-80	3.6	9
154	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	4.5	9
153	An isoelectrically trapped enzyme reactor operating in an electric field. <i>Electrophoresis</i> , 1998 , 19, 1075-80	3.6	9
152	Characterization of polymeric buffers for operating membrane-trapped enzyme reactors in an electric field 2000 , 69, 39-46		9
151	Screening for the beta-39 mutation in thalassemia by capillary electrophoresis in free solution in strongly acidic, isoelectric buffers. <i>Electrophoresis</i> , 2000 , 21, 780-4	3.6	9
150	Molecular modeling of acrylamide derivatives: the case of N-acryloylaminoethoxyethanol versus acrylamide and trisacryl. <i>Electrophoresis</i> , 1994 , 15, 1104-11	3.6	9
149	Quantitative studies of different injection systems in capillary electrophoresis. <i>Electrophoresis</i> , 1994 , 15, 1158-66	3.6	9
148	Physico-chemical properties of amphoteric, isoelectric, macroreticulate buffers. <i>Journal of Proteomics</i> , 1991 , 23, 115-30		9
147	Hydrophobic interaction of alcian blue with soluble and erythrocyte membrane proteins. <i>Journal of Chromatography A</i> , 1988 , 452, 347-57	4.5	9
146	Isoelectric focusing as the crow flies. <i>Journal of Proteomics</i> , 1988 , 16, 99-108		9
145	Negative aurodye for polyacrylamide gels: The impossible stain. <i>Electrophoresis</i> , 1985 , 6, 367-372	3.6	9
144	Some optical properties of carrier ampholytes for isoelectric focusing. <i>Analytical Biochemistry</i> , 1975 , 63, 423-32	3.1	9
143	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	3.9	8
142	Il n'y a pas d'amour heureux pour Casanova: Chemical- and bio-analysis of his Memoirs. <i>Electrophoresis</i> , 2019 , 40, 3050-3056	3.6	8
141	Cibacron Blue and proteomics: the mystery of the platoon missing in action. <i>Journal of Proteomics</i> , 2011 , 74, 2856-65	3.9	8
140	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	3.9	8

- 139 Exploration of the sea urchin coelomic fluid via combinatorial peptide ligand libraries. *Biological Bulletin*, **2012**, 222, 93-104 1.5 8
- 138 Gel-free IEF in a membrane-sealed multicompartiment cell for proteome prefractionation. *Electrophoresis*, **2007**, 28, 1860-6 3.6 8
- 137 Steady-state electrolysis of a solution of nonamphotheric compounds. *Electrophoresis*, **1999**, 20, 718-22 3.6 8
- 136 Electrically immobilized enzyme reactors: bioconversion of a charged substrate. Hydrolysis Of penicillin G by penicillin G acylase. *Biotechnology and Bioengineering*, **1999**, 64, 383-91 4.9 8
- 135 Dynamics of protein isoelectric focusing in immobilized pH gradient gels. *Electrophoresis*, **1996**, 17, 1313-8 3.6 8
- 134 Immobilized buffers for isoelectric focusing: from gradient gels to membranes. *Electrophoresis*, **1994**, 15, 1040-3 3.6 8
- 133 Isoelectric focusing in immobilized pH gradients: applications in clinical chemistry and forensic analysis. *Biomedical Applications*, **1991**, 569, 197-228 8
- 132 Capillary zone electrophoresis analysis of acrylamido buffers for isoelectric focusing in immobilized pH gradients. *Journal of Chromatography A*, **1991**, 559, 119-131 4.5 8
- 131 Analysis of acrylamido-buffers for isoelectric focusing by capillary zone electrophoresis. *Electrophoresis*, **1991**, 12, 55-8 3.6 8
- 130 Electrophoretically silent hemoglobin mutants as revealed by isoelectric focusing in immobilized pH gradients. *Electrophoresis*, **1989**, 10, 595-9 3.6 8
- 129 Characterization of the major proteins from *Vitis vinifera* seeds. *Plant Science*, **1989**, 62, 73-81 5.3 8
- 128 Macroreticulate buffers: a novel approach to pH control in living systems. *Journal of Biotechnology*, **1991**, 17, 169-76 3.7 8
- 127 Alpha-1 acid glycoprotein analysis on immobilized pH gradients. *Electrophoresis*, **1987**, 8, 538-540 3.6 8
- 126 Electrophoretic and chromatographic techniques for the differential diagnosis of a haemoglobin abnormality: Hb E heterozygosity. *Journal of Chromatography A*, **1985**, 330, 299-306 4.5 8
- 125 Glycosylation of human albumin in diabetes mellitus II. Extensive in vitro modification by trioses and hexoses as revealed by isoelectric focusing. *Electrophoresis*, **1985**, 6, 118-123 3.6 8
- 124 Fingerprinting of casein digests by isoelectric focusing and SDS electrophoresis. *Electrophoresis*, **1980**, 1, 37-42 3.6 8
- 123 Preparative Isoelectric Focusing. *Separation and Purification Reviews*, **1975**, 4, 23-72 8
- 122 Capturing and amplifying impurities from recombinant therapeutic proteins via combinatorial peptide libraries: a proteomic approach. *Current Pharmaceutical Biotechnology*, **2011**, 12, 1537-47 2.6 8

121	Sample treatment methods involving combinatorial peptide ligand libraries for improved proteomes analyses. <i>Methods in Molecular Biology</i> , 2015 , 1243, 55-82	1.4	8
120	Plant proteomics methods to reach low-abundance proteins. <i>Methods in Molecular Biology</i> , 2014 , 1072, 111-29	1.4	7
119	Investigation of the applicability of Zernike moments to the classification of SDS 2D-PAGE maps. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 1419-31	4.4	7
118	SDS-PAGE and two-dimensional maps in a radial gel format. <i>Electrophoresis</i> , 2010 , 31, 465-70	3.6	7
117	Effect of barium tetraborate on the separation of tryptic digests of proteins by zone electrophoresis in uncoated capillaries. <i>Electrophoresis</i> , 2006 , 27, 4016-24	3.6	7
116	Crystallization of chicken liver (basic) fatty acid binding protein after purification in multicompartiment electrolyzers with isoelectric membranes. <i>Electrophoresis</i> , 2000 , 21, 2316-20	3.6	7
115	Free solution mobility of DNA molecules containing variable numbers of cationic phosphoramidate internucleoside linkages. <i>Journal of Chromatography A</i> , 2000 , 883, 267-75	4.5	7
114	Buffer properties of biopolymer solutions, as related to their behaviour in electrokinetic methodologies. <i>Journal of Chromatography A</i> , 1999 , 838, 11-18	4.5	7
113	Isoelectric membrane simulator: a computational approach for isoelectric immobiline membranes. <i>Electrophoresis</i> , 1991 , 12, 631-6	3.6	7
112	Steady-state heat transfer and thermal zone spreading in gel isoelectric focusing. <i>Electrophoresis</i> , 1992 , 13, 275-9	3.6	7
111	Sample Preparation and Prefractionation Techniques for Electrophoresis-Based Proteomics 2007 , 15-40		7
110	Surface analysis of ancient parchments via the EVA film: The Aleppo Codex. <i>Analytical Biochemistry</i> , 2020 , 604, 113824	3.1	7
109	What Sherlock sorely missed: the EVA technology for cultural heritage exploration. <i>Expert Review of Proteomics</i> , 2019 , 16, 533-542	4.2	6
108	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, 10384-91	5.7	6
107	The Monkey King: a personal view of the long journey towards a proteomic Nirvana. <i>Journal of Proteomics</i> , 2014 , 107, 39-49	3.9	6
106	Resurrexit, sicut dixit, alleluia. Snake venomics from a 26-year old polyacrylamide focusing gel. <i>Journal of Proteomics</i> , 2012 , 75, 1074-8	3.9	6
105	On the concept of "normalized buffering power/conductivity ratio" of isoelectric buffers for capillary zone electrophoresis. <i>Electrophoresis</i> , 1998 , 19, 1674-6	3.6	6
104	High-resolution separation of peptides by sodium dodecyl sulfate-polyacrylamide gel "focusing". <i>Electrophoresis</i> , 2008 , 29, 1749-52	3.6	6

103	Use of quasi-isoelectric buffers to limit protein adsorption in capillary zone electrophoresis. <i>Electrophoresis</i> , 2008 , 29, 3164-7	3.6	6
102	Biomedical relevance of two-dimensional protein mapping. <i>Biomedical Applications</i> , 1991 , 569, 43-62		6
101	Mechanism of water exudation from mixed-bed ampholine-immobiline gels for isoelectric focusing. <i>Journal of Chromatography A</i> , 1987 , 387, 121-126	4.5	6
100	Immobilized pH gradients. <i>Trends in Biochemical Sciences</i> , 1988 , 13, 335-8	10.3	6
99	Status methodology in isoelectric focussing. <i>TrAC - Trends in Analytical Chemistry</i> , 1983 , 2, 193-196	14.6	6
98	EVA Technology and Proteomics: A Two-Pronged Attack on Cultural Heritage. <i>Journal of Proteome Research</i> , 2020 , 19, 2914-2925	5.6	6
97	Proteomic fingerprinting of apple fruit, juice, and cider via combinatorial peptide ligand libraries and MS analysis. <i>Electrophoresis</i> , 2019 , 40, 266-271	3.6	6
96	De re metallica. Johannes Kepler and alchemy. <i>Talanta</i> , 2019 , 204, 82-88	6.2	5
95	Never boring: Non-invasive palaeoproteomics of mummified human skin. <i>Journal of Archaeological Science</i> , 2020 , 119, 105145	2.9	5
94	According to the CPLL proteome sheriffs, not all aperitifs are created equal!. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014 , 1844, 1493-9	4	5
93	Improved instrumentation for large-size two-dimensional protein maps. <i>Electrophoresis</i> , 2010 , 31, 3863-6.6		5
92	pH changes in Immobiline gels due to low-molecular mass ion adsorption and conditions for salt front formation during electrophoretic desorption. <i>Electrophoresis</i> , 1997 , 18, 344-8	3.6	5
91	Can amphoteric substances with very small (or negative) ΔpK difference exist and what properties would their water solutions exhibit?. <i>Electrophoresis</i> , 1998 , 19, 187-91	3.6	5
90	DNA separation methodology based on charge neutralization in a polycationic gel matrix. <i>Analytical Chemistry</i> , 2008 , 80, 5031-5	7.8	5
89	Salt-promoted protein folding, preferential binding, or electrostatic screening?. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002 , 49, 147-53	4.2	5
88	On the measurements of electrophoretic mobilities by means of capillary isotachopheresis at a constant voltage. <i>Electrophoresis</i> , 1995 , 16, 2149-58	3.6	5
87	Immobilized pH gradients: The state of the art. <i>TrAC - Trends in Analytical Chemistry</i> , 1986 , 5, 16-20	14.6	5
86	Immunoblotting from immobilized pH gradients. The case of alpha 2-macroglobulin. <i>Journal of Proteomics</i> , 1988 , 16, 193-204		5

85	Bioanalysis: Heri, hodie, cras. <i>Electrophoresis</i> , 2013 , 34, 1442-51	3.6	4
84	The "Dark Side" of Food Stuff Proteomics: The CPLL-Marshals Investigate. <i>Foods</i> , 2014 , 3, 217-237	4.9	4
83	Polar electrophoresis: shape of two-dimensional maps is as important as size. <i>PLoS ONE</i> , 2012 , 7, e309113.7	3.7	4
82	Conventional isoelectric focusing. In gel slabs and capillaries and immobilized pH gradients. <i>Methods of Biochemical Analysis</i> , 2011 , 54, 379-409		4
81	Happy bicentennial, electrophoresis!. <i>Journal of Proteomics</i> , 2009 , 73, 181-7	3.9	4
80	Focusing of low-molecular-mass heparins in polycationic polyacrylamide matrices. <i>Analytical Chemistry</i> , 2009 , 81, 6966-71	7.8	4
79	Steady-state concentration distribution of ampholytes in isoelectric focusing in a linear immobilized pH gradient. <i>Electrophoresis</i> , 1998 , 19, 1596-600	3.6	4
78	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, 1495-501	3.6	4
77	Potential binding of borate ions to mono- and oligonucleotides: a capillary electrophoresis investigation. <i>Journal of Chromatography A</i> , 2002 , 979, 285-97	4.5	4
76	Optimized detection of DNA point mutations by double gradient denaturing gradient gel electrophoresis. <i>Clinical Chemistry and Laboratory Medicine</i> , 1998 , 36, 959-61	5.9	4
75	Ti/IrO ₂ as anode and Zr as cathode in multicompartement electrolyzers with Immobiline membranes. <i>Electrophoresis</i> , 1992 , 13, 55-8	3.6	4
74	Detection of neutral hemoglobin mutants by conventional isoelectric focusing and immobilized pH gradients. <i>TrAC - Trends in Analytical Chemistry</i> , 1986 , 5, 147-151	14.6	4
73	pH measurements after isoelectric focusing in immobilized pH gradients. <i>Journal of Chromatography A</i> , 1986 , 359, 339-349	4.5	4
72	Complexes of heparin with poly(alkylenimines): Competitive binding with methylene blue. <i>Carbohydrate Research</i> , 1982 , 104, 299-308	2.9	4
71	Isotope-coded two-dimensional maps: tagging with deuterated acrylamide and 2-vinylpyridine. <i>Methods in Molecular Biology</i> , 2008 , 424, 87-99	1.4	4
70	New baits for fishing in cultural heritage's Mare Magnum. <i>Journal of Proteomics</i> , 2021 , 235, 104113	3.9	4
69	Low-abundance plant protein enrichment with peptide libraries to enlarge proteome coverage and related applications. <i>Plant Science</i> , 2020 , 290, 110302	5.3	4
68	Noninvasive wearable sensor for indirect glucometry. <i>Electrophoresis</i> , 2018 , 39, 2344-2350	3.6	3

67	Extensive heterogeneity of human urokinase, as detected by two-dimensional mapping. <i>Analytical Chemistry</i> , 2015 , 87, 1509-13	7.8	3
66	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, 827-35	3.2	3
65	Use of physiological substrates for zymograms of disaccharidases after separation in immobilized pH gradients. <i>Journal of Proteomics</i> , 1989 , 18, 195-208		3
64	Isoelectric focusing in chloral hydrate. <i>Journal of Chromatography A</i> , 1982 , 237, 293-296	4.5	3
63	"1984": What Orwell could not predict. Proteomic analysis of his scripts. <i>Electrophoresis</i> , 2020 , 41, 1931-1940	3.4	2
62	Making Progress in Plant Proteomics for Improved Food Safety. <i>Comprehensive Analytical Chemistry</i> , 2014 , 64, 131-155	1.9	2
61	Detailed Methodologies and Protocols 2013 , 263-319		2
60	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, 3592-6	3.6	2
59	Steady-state electrolysis of an ampholyte solution and possibility of violation of the "law of pH monotony". <i>Electrophoresis</i> , 1998 , 19, 2269-72	3.6	2
58	Chapter 15 Electrophoresis of proteins and peptides. <i>Journal of Chromatography Library</i> , 2004 , 633-668		2
57	Amplification refractory mutation system analysis of point mutations by capillary electrophoresis. <i>Methods in Molecular Biology</i> , 2001 , 163, 95-108	1.4	2
56	Acid-base equilibria of polyvalent electrolytes and theoretical description of polyelectrolyte behavior in electrokinetic separations. <i>Journal of Proteomics</i> , 2000 , 46, 21-30		2
55	On the solvent motion in electrophoretic systems. <i>Electrophoresis</i> , 1996 , 17, 1134-42	3.6	2
54	Casting immobilized pH gradients into cylindrical polyacrylamide gels. <i>Journal of Proteomics</i> , 1988 , 16, 171-83		2
53	Generation of Highly-Reproducible, Extended pH Intervals in Immobiline Gels 1984 , 533-540		2
52	Revisiting Jurassic Park: The Isolation of Proteins from Amber Encapsulated Organisms Millions of Years Old 2011 , 925-938		2
51	Combinatorial peptides: A library that continuously probes low-abundance proteins. <i>Electrophoresis</i> , 2021 ,	3.6	2
50	Specific and Surrogate Cerebrospinal Fluid Markers in Creutzfeldt-Jakob Disease. <i>Advances in Neurobiology</i> , 2011 , 455-467	2.1	2

49	Introducing Low-Abundance Species in Proteome Analysis 2013 , 1-11		1
48	Current Low-Abundance Protein Access 2013 , 41-77		1
47	Steady-state electrophoresis of RNA against a gradient of cationic charges in a polyacrylamide matrix. <i>Electrophoresis</i> , 2009 , 30, 3696-700	3.6	1
46	Searching for specific motifs in affinity capture in proteome analysis. <i>Journal of Proteomics</i> , 2009 , 72, 791-802	3.9	1
45	Third generation of focusing: gel matrices with immobilized cation gradients. <i>Electrophoresis</i> , 2010 , 31, 1747-53	3.6	1
44	Current Strategies for Protein Quantification 2005 , 127-182		1
43	Two-Dimensional Maps 2005 , 341-417		1
42	The Proteome, Anno Domini Two Zero Zero Three 2005 , 103-134		1
41	Gene Dosage in Capillary Electrophoresis : Prenatal Diagnosis of Down's Syndrome and Rh D/d Genotyping. <i>Methods in Molecular Medicine</i> , 1999 , 27, 109-20		1
40	Isoelectric Focusing with Immobilized pH Gradients. <i>Separation and Purification Reviews</i> , 1987 , 16, 105-169		1
39	Immobilized pH Gradients: Recent Developments. <i>ACS Symposium Series</i> , 1987 , 33-53	0.4	1
38	Mutational Analysis with Capillary Electrophoresis. <i>Chromatographia CE Series</i> , 1997 , 255-273		1
37	Stalin's "black dog": a postmortem diagnosis. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 7701-7708	4.4	1
36	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	3.9	1
35	Single-strand conformation polymorphism analysis by capillary zone electrophoresis in neutral pH buffer 2000 , 21, 785		1
34	Mixed Beds. Beyond the Frontiers of Classical Chromatography for Proteins. <i>Advances in Chromatography</i> , 2012 , 50, 1-46		1
33	Gel-Based Proteomics9-31		0
32	Determining the identity and structure of recombinant proteins. <i>Current Protocols in Protein Science</i> , 2001 , Chapter 7, Unit 7.3	3.1	0

- 31 Fiat Lux ... how Alessandro Volta illuminated his scripts. *Comptes Rendus Chimie*, **2021**, 24, 361-371 2.7 ○
- 30 Meta-proteomic analysis of the Shandrin mammoth by EVA technology and high-resolution mass spectrometry: what is its gut microbiota telling us?. *Amino Acids*, **2021**, 53, 1507-1521 3.5 ○
- 29 Proteomics of Grapevines and Wines **2017**, 405-414
- 28 Biomedical Involvements of Low-Abundance Proteins **2013**, 197-231
- 27 Plant Proteomics and Food and Beverage Analysis via CPLL Capture **2013**, 159-196
- 26 Current Gel Electrophoresis Approaches to Low-Abundance Protein Marker Discovery **2013**, 175-190
- 25 Chromatographic and Electrophoretic Prefractionation Tools in Proteome Analysis **2013**, 13-40
- 24 Low-Abundance Protein Access by Combinatorial Peptide Libraries **2013**, 79-157
- 23 Other Applications of Combinatorial Peptide Libraries **2013**, 233-261
- 22 Wider Protein Detection from Biological Extracts by the Reduction of the Dynamic Concentration Range **2010**, 175-204
- 21 Prefractionation of Urinary Proteins 201-217
- 20 Andreas Chrambach and René Descartes: Plutarch's parallel lives?. *Electrophoresis*, **2007**, 28, 505-7 3.6
- 19 Chapter 9 Capillary zone electrophoresis. *Journal of Chromatography Library*, **2004**, 369-402
- 18 Sodium Dodecyl Sulfate-Polyacrylamide Gel Electrophoresis **2005**, 273-340
- 17 Conventional Isoelectric Focusing in Gel Matrices and Capillaries and Immobilized pH Gradients **2005**, 187-271
- 16 Point mutation detection by temperature-programmed capillary electrophoresis. *Methods in Molecular Biology*, **2001**, 163, 73-88 1.4
- 15 Steady-state electrolysis of a solution of nonamphotheric compounds 138-142
- 14 Capillary electrophoresis of peptides and proteins using isoelectric buffers. *Current Protocols in Protein Science*, **2001**, Chapter 10, Unit 10.13 3.1

- 13 Chapter 11 Electrophoresis. *Journal of Chromatography Library*, **1992**, A481-A517
- 12 Preparative Aspects of Immobilized pH Gradients. *Methods in Molecular Biology*, **1988**, 3, 233-56 1.4
- 11 ISOELECTRIC FOCUSING IN IMMOBILIZED pH GRADIENTS. I: PRINCIPLE AND METHODOLOGY **1983**, 61-74
- 10 POLYMERIZATION KINETICS OF POLYACRYLAMIDE GELS: EFFECTS OF DIFFERENT CROSSLINKERS, TEMPERATURE AND CATALYSTS **1983**, 147-156
- 9 C. PEPTIDE FOCUSING **1983**, 843-852
- 8 Detection of Plant Low-Abundance Proteins by Means of Combinatorial Peptide Ligand Library Methods. *Methods in Molecular Biology*, **2020**, 2139, 381-404 1.4
- 7 A novel tool for assessing microbiomes in cultural heritage documents. *IOP Conference Series: Materials Science and Engineering*, **2020**, 949, 012116 0.4
- 6 Richard the Lionheart and the Ferocious Saladin Face to Face in Arsuf: A Proteomic Study. *Heritage*, **2021**, 4, 3382-3401 1.6
- 5 Mixed-bed affinity chromatography: principles and methods. *Methods in Molecular Biology*, **2015**, 1286, 131-58 1.4
- 4 Associating 2-DE and CPLs for low-abundance protein discovery: A winning strategy **2020**, 183-207
- 3 Radial distribution of figures in Leonardo's and Renaissance paintings. *Digital Applications in Archaeology and Cultural Heritage*, **2021**, 20, e00178 2.1
- 2 Software Binxit: Hail Magister Leonardo!. *Heritage*, **2021**, 4, 917-936 1.6
- 1 Jack London and White Fang: a lost struggle. *Comptes Rendus Chimie*, **2022**, 25, 115-123 2.7