

Jean-Marc Busnel

List of Publications by Year in descending order

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32
papers

1,378
citations

279701

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414303

32
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docs citations

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times ranked

1264
citing authors

#	ARTICLE	IF	CITATIONS
1	High Capacity Capillary Electrophoresis-Electrospray Ionization Mass Spectrometry: Coupling a Porous Sheathless Interface with Transient-Isotachopheresis. <i>Analytical Chemistry</i> , 2010, 82, 9476-9483.	3.2	155
2	Enhancing the Coverage of the Urinary Metabolome by Sheathless Capillary Electrophoresis-Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 885-892.	3.2	115
3	Ultra-Low Flow Electrospray Ionization-Mass Spectrometry for Improved Ionization Efficiency in Phosphoproteomics. <i>Analytical Chemistry</i> , 2012, 84, 4552-4559.	3.2	89
4	Rapid and multi-level characterization of trastuzumab using sheathless capillary electrophoresis-tandem mass spectrometry. <i>MAbs</i> , 2013, 5, 479-490.	2.6	80
5	Full Antibody Primary Structure and Microvariant Characterization in a Single Injection Using Transient Isotachopheresis and Sheathless Capillary Electrophoresis-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 9074-9081.	3.2	80
6	CE-MS for proteomics: Advances in interface development and application. <i>Journal of Proteomics</i> , 2012, 75, 3814-3828.	1.2	73
7	Magnetic forces produced by rectangular permanent magnets in static microsystems. <i>Lab on A Chip</i> , 2009, 9, 2356.	3.1	65
8	Soft Stylus Probes for Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 2009, 81, 6889-6896.	3.2	53
9	Kinetics of Proteolytic Reactions in Nanoporous Materials. <i>Journal of Proteome Research</i> , 2009, 8, 4685-4692.	1.8	47
10	Magnetic Beads Based Immunoaffinity Capillary Electrophoresis of Total Serum IgE with Laser-Induced Fluorescence Detection. <i>Analytical Chemistry</i> , 2008, 80, 9583-9588.	3.2	46
11	TiO ₂ Printed Aluminum Foil: Single-Use Film for a Laser Desorption/Ionization Target Plate. <i>Analytical Chemistry</i> , 2009, 81, 1177-1183.	3.2	46
12	Electrokinetic supercharging for highly efficient peptide preconcentration in capillary zone electrophoresis. <i>Electrophoresis</i> , 2008, 29, 1565-1572.	1.3	43
13	Coupling porous sheathless interface MS with transient ITP in neutral capillaries for improved sensitivity in glycopeptide analysis. <i>Electrophoresis</i> , 2013, 34, 383-387.	1.3	38
14	Novel sheathless CE-MS interface as an original and powerful infusion platform for nanoESI study: from intact proteins to high molecular mass noncovalent complexes. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1029-1038.	1.9	37
15	Capillary electrophoresis immunoassay using magnetic beads. <i>Electrophoresis</i> , 2008, 29, 3414-3421.	1.3	33
16	Iontophoretic Fraction Collection for Coupling Capillary Zone Electrophoresis with Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 3867-3872.	3.2	32
17	Evaluation of capillary isoelectric focusing in glycerol-water media with a view to hydrophobic protein applications. <i>Electrophoresis</i> , 2005, 26, 3369-3379.	1.3	30
18	Fountain pen for scanning electrochemical microscopy. <i>Analytical Methods</i> , 2010, 2, 817.	1.3	30

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19	Comparison of different capillary isoelectric focusing methodsâ€”use of â€œnarrow pH cutsâ€•of carrier ampholytes as original tools to improve resolution. <i>Journal of Chromatography A</i> , 2007, 1155, 230-236.	1.8	29
20	Controlling the specific enrichment of multi-phosphorylated peptides on oxide materials: aluminium foil as a target plate for laser desorption ionization mass spectrometry. <i>Chemical Science</i> , 2010, 1, 374.	3.7	27
21	Total serum IgE quantification by microfluidic ELISA using magnetic beads. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2645-2653.	1.9	27
22	Carrier ampholytes-based capillary electrophoresis as an alternative to capillary zone electrophoresis in classical background electrolytes. <i>Journal of Chromatography A</i> , 2005, 1087, 183-188.	1.8	25
23	Protein tryptic digests analyzed by carrier ampholyte-based capillary electrophoresis coupled to ESI-MS. <i>Electrophoresis</i> , 2006, 27, 1481-1488.	1.3	24
24	Capillary Electrophoresis as a Second Dimension to Isoelectric Focusing for Peptide Separation. <i>Analytical Chemistry</i> , 2007, 79, 5949-5955.	3.2	24
25	In-source photocatalytic reduction of disulfide bonds during laser desorption ionization. <i>Chemical Communications</i> , 2008, , 6357.	2.2	23
26	Carrier ampholytes as potential buffers in electrophoresis: physico-chemical study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 818, 99-107.	1.2	21
27	Highâ€“sensitive protein analysis by FESIâ€“MALDIâ€“MS. <i>Electrophoresis</i> , 2011, 32, 1795-1803.	1.3	21
28	Transient isotachopheresis in carrier ampholyte-based capillary electrophoresis for protein analysis. <i>Electrophoresis</i> , 2006, 27, 3591-3598.	1.3	18
29	Quasi-isoelectric buffers for protein analysis in a fast alternative to conventional capillary zone electrophoresisâ†. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 833, 19-25.	1.2	18
30	Photocatalytic Redox Reactions for Inâ€“Source Peptide Fragmentation. <i>Chemistry - A European Journal</i> , 2009, 15, 6711-6717.	1.7	18
31	Loading capacity of carrier ampholytes â€“ based buffers in capillary electrophoresis. <i>Electrophoresis</i> , 2006, 27, 563-571.	1.3	7
32	Compatible buffer for capillary electrophoresis and matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytical Methods</i> , 2013, 5, 4258.	1.3	4