

Francois Couderc

List of Publications by Year in descending order

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61
papers

2,371
citations

186265

28
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206112

48
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61
all docs

61
docs citations

61
times ranked

2700
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface polysaccharide involvement in establishing the rhizobium-legume symbiosis. <i>FEBS Journal</i> , 2003, 270, 1365-1380.	0.2	295
2	<i>Eucalyptus oleosa</i> Essential Oils: Chemical Composition and Antimicrobial and Antioxidant Activities of the Oils from Different Plant Parts (Stems, Leaves, Flowers and Fruits). <i>Molecules</i> , 2011, 16, 1695-1709.	3.8	131
3	Recent advances in amino acid analysis by capillary electrophoresis. <i>Electrophoresis</i> , 2001, 22, 4129-4138.	2.4	123
4	Simultaneous determination of allantoin, hypoxanthine, xanthine, and uric acid in serum/plasma by CE. <i>Electrophoresis</i> , 2007, 28, 381-387.	2.4	122
5	Chemical composition and anticancer, antiinflammatory, antioxidant and antimalarial activities of leaves essential oil of <i>Cedrelopsis grevei</i> . <i>Food and Chemical Toxicology</i> , 2013, 56, 352-362.	3.6	102
6	Laser-induced fluorescence detection schemes for the analysis of proteins and peptides using capillary electrophoresis. <i>Electrophoresis</i> , 2005, 26, 2608-2621.	2.4	79
7	Recent advances in amino acid analysis by capillary electrophoresis. <i>Electrophoresis</i> , 2003, 24, 4047-4062.	2.4	73
8	Plasma total homocysteine and other thiols analyzed by capillary electrophoresis/laser-induced fluorescence detection: Comparison with two other methods. <i>Electrophoresis</i> , 2000, 21, 2074-2079.	2.4	72
9	Determination of aminothiols in body fluids, cells, and tissues by capillary electrophoresis. <i>Electrophoresis</i> , 2004, 25, 1457-1472.	2.4	69
10	Recent advances in amino acid analysis by capillary electrophoresis. <i>Electrophoresis</i> , 2006, 27, 176-194.	2.4	65
11	Recent advances in amino acid analysis by CE. <i>Electrophoresis</i> , 2010, 31, 105-121.	2.4	64
12	<i>Helichrysum gymnocephalum</i> Essential Oil: Chemical Composition and Cytotoxic, Antimalarial and Antioxidant Activities, Attribution of the Activity Origin by Correlations. <i>Molecules</i> , 2011, 16, 8273-8291.	3.8	59
13	Recent advances in amino acid analysis by capillary electrophoresis. <i>Electrophoresis</i> , 2012, 33, 14-35.	2.4	57
14	Catecholamines in murine bone marrow derived mast cells. <i>Journal of Neuroimmunology</i> , 2001, 119, 231-238.	2.3	54
15	Recent advances in amino acid analysis by capillary electromigration methods, 2011-2013. <i>Electrophoresis</i> , 2014, 35, 50-68.	2.4	52
16	Analysis of tryptophan and tyrosine in cerebrospinal fluid by capillary electrophoresis and "ball lens" UV-pulsed laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , 2003, 1013, 123-130.	3.7	48
17	Determination of non-steroidal anti-inflammatory drugs in pharmaceuticals and human serum by dual-mode gradient HPLC and fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 857, 59-66.	2.3	47
18	Twenty years of amino acid determination using capillary electrophoresis: A review. <i>Analytica Chimica Acta</i> , 2021, 1174, 338233.	5.4	47

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19	HPLC-fluorescence detection and MEKC-LIF detection for the study of amino acids and catecholamines labelled with naphthalene-2,3-dicarboxyaldehyde. <i>Electrophoresis</i> , 2006, 27, 4446-4455.	2.4	46
20	Recent advances in amino acid analysis by CE. <i>Electrophoresis</i> , 2008, 29, 207-223.	2.4	43
21	Drug analysis by capillary electrophoresis and laser-induced fluorescence. <i>Electrophoresis</i> , 1998, 19, 2777-2790.	2.4	42
22	Global Chemical Composition and Antioxidant and Anti-Tuberculosis Activities of Various Extracts of <i>Globularia alypum</i> L. (<i>Globulariaceae</i>) Leaves. <i>Molecules</i> , 2011, 16, 10592-10603.	3.8	37
23	The use of naphthalene-2,3-dicarboxaldehyde for the analysis of primary amines using high-performance liquid chromatography and capillary electrophoresis. <i>Biomedical Chromatography</i> , 2007, 21, 1223-1239.	1.7	36
24	Chemical Composition and in Vitro Evaluation of the Antioxidant and Antimicrobial Activities of <i>Eucalyptus gillii</i> Essential Oil and Extracts. <i>Molecules</i> , 2012, 17, 9540-9558.	3.8	36
25	Analysis of serotonin in brain microdialysates using capillary electrophoresis and native laser-induced fluorescence detection. <i>Electrophoresis</i> , 2005, 26, 1071-1079.	2.4	32
26	Capillary electrophoresis hyphenated with UV-native laser induced fluorescence detection (CE/UV-native-LIF). <i>Electrophoresis</i> , 2017, 38, 135-149.	2.4	31
27	Structural determination of unsaturated fatty acids in complex mixtures by capillary GC/ MS-MS. Remote site fragmentation of carboxylate anions from electron capture ionization of pentafluorobenzyl esters. <i>Rapid Communications in Mass Spectrometry</i> , 1987, 1, 50-52.	1.5	30
28	A comparative study of LED-induced fluorescence and laser-induced fluorescence in SDS-CGE: Application to the analysis of antibodies. <i>Electrophoresis</i> , 2012, 33, 1709-1714.	2.4	30
29	Routine analysis of short-chain fatty acids for anaerobic bacteria identification using capillary electrophoresis and indirect ultraviolet detection. <i>Biomedical Applications</i> , 2000, 741, 89-100.	1.7	29
30	Relevance of Fucose-Rich Extracellular Polysaccharides Produced by <i>Rhizobium sulae</i> Strains Nodulating <i>Hedysarum coronarium</i> L. <i>Legumes. Applied and Environmental Microbiology</i> , 2013, 79, 1764-1776.	3.1	28
31	Recent advances in amino acid analysis by capillary electromigration methods, 2013-2015. <i>Electrophoresis</i> , 2016, 37, 142-161.	2.4	27
32	Recent advances in amino acid analysis by capillary electromigration methods: June 2015-May 2017. <i>Electrophoresis</i> , 2018, 39, 190-208.	2.4	27
33	Determination of tartaric acid in solid wine residues by capillary electrophoresis and indirect UV detection. <i>Journal of Chromatography A</i> , 1999, 853, 181-184.	3.7	26
34	<i>Eucalyptus</i> (<i>gracilis</i> , <i>oleosa</i> , <i>salubris</i>), and <i>salmonophloia</i> Essential Oils: Their Chemical Composition and Antioxidant and Antimicrobial Activities. <i>Journal of Medicinal Food</i> , 2010, 13, 1005-1012.	1.5	26
35	Improving detection in capillary electrophoresis with laser induced fluorescence via a bubble cell capillary and laser power adjustment. <i>Biomedical Chromatography</i> , 2009, 23, 42-47.	1.7	24
36	Stereochemically controlled decomposition of silver-cationized methyl glycosides. <i>Organic Mass Spectrometry</i> , 1993, 28, 455-458.	1.3	21

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37	Laser-induced fluorescence as a powerful detection tool for capillary electrophoretic analysis of heparin/heparan sulfate disaccharides. <i>Biomedical Chromatography</i> , 2003, 17, 39-41.	1.7	21
38	Automated large-volume sample stacking procedure to detect labeled peptides at picomolar concentration using capillary electrophoresis and laser-induced fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 793, 151-157.	2.3	20
39	Conserved Composition of Nod Factors and Exopolysaccharides Produced by Different Phylogenetic Lineage <i>Sinorhizobium</i> Strains Nodulating Soybean. <i>Frontiers in Microbiology</i> , 2018, 9, 2852.	3.5	18
40	An ellipsoidal mirror for detection of laser-induced fluorescence in capillary electrophoresis system: Applications for labelled antibody analysis. <i>Electrophoresis</i> , 2008, 29, 740-746.	2.4	16
41	Behavior of <i>N</i> -oxide derivatives in atmospheric pressure ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 621-628.	1.5	16
42	Structure determination of mycolic acids by using charge remote fragmentation. <i>Chemistry and Physics of Lipids</i> , 1989, 51, 31-38.	3.2	15
43	G-quadruplex aptamer selection using capillary electrophoresis-LED-induced fluorescence and Illumina sequencing. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1991-2000.	3.7	14
44	A new evaluation technique for the detection of impurities in purified proteins via CE with native UV-LIF. <i>Electrophoresis</i> , 2010, 31, 396-402.	2.4	12
45	Determination of free amino acids in African gourd seed milks by capillary electrophoresis with light-emitting diode induced fluorescence and laser-induced fluorescence detection. <i>Electrophoresis</i> , 2013, 34, 2632-2638.	2.4	12
46	Pulsed lasers versus continuous light sources in capillary electrophoresis and fluorescence detection studies: Photodegradation pathways and models. <i>Analytica Chimica Acta</i> , 2016, 912, 146-155.	5.4	12
47	Capillary electrochromatography–laser-induced fluorescence method for separation and detection of dansylated dialkylamine tags in encoded combinatorial libraries. <i>Journal of Chromatography A</i> , 2001, 924, 323-329.	3.7	11
48	A digest of capillary electrophoretic methods applied to lipid analyzes. <i>Electrophoresis</i> , 2019, 40, 190-211.	2.4	11
49	Handling and detection of 0.8 amol of a near-infrared cyanine dye by capillary electrophoresis with laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , 2002, 979, 307-314.	3.7	9
50	Capillary electrophoresis: theory, teaching approach and separation of oligosaccharides using indirect UV detection. <i>Biochemistry and Molecular Biology Education</i> , 2000, 28, 251-255.	1.2	7
51	Capillary electrophoresis as a simple and sensitive method to study polysaccharides of <i>Sinorhizobium</i> sp. NGR234. <i>Electrophoresis</i> , 2003, 24, 3364-3370.	2.4	7
52	Optimized conditions for 2-aminobenzamide labeling and high-performance liquid chromatography analysis of <i>N</i> -acylated monosaccharides. <i>Biomedical Chromatography</i> , 2010, 24, 343-346.	1.7	7
53	A revisited structure for nitrosoprodinafil from NMR, mass spectrometry, X-ray and hydrolysis data. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 135, 31-49.	2.8	7
54	3-(4-Carboxybenzoyl)quinoline-2-carboxaldehyde labeling for direct analysis of amino acids in plasma is not suitable for simultaneous quantification of tryptophan, tyrosine, valine, and isoleucine by CE/fluorescence. <i>Electrophoresis</i> , 2021, 42, 1108-1114.	2.4	7

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55	Reaction of naphthalene-2,3-dicarboxaldehyde with enkephalins for LC-fluorescence and lc-ms analysis: Conformational studies by molecular modeling and H/D Exchange mass spectrometry. Journal of the American Society for Mass Spectrometry, 2007, 18, 1706-1713.	2.8	4
56	Capillary electrophoresis/visible-LED induced fluorescence of tryptophan: What's new?. Electrophoresis, 2019, 40, 2342-2348.	2.4	4
57	Chemical and Instrumental Approaches for Capillary Electrophoresis (CE) – Fluorescence Analysis of Proteins. Methods in Molecular Biology, 2016, 1466, 1-10.	0.9	3
58	ssDNA degradation along capillary electrophoresis process using a Tris buffer. Electrophoresis, 2017, 38, 1624-1631.	2.4	3
59	Laser-Induced Fluorescence Detection: A Summary. , 0, , 263-280.		2
60	Paul Sabatier et l'abbé Jean Baptiste Senderens, t'moins lointains d'une "cit@ positive". Comptes Rendus Chimie, 2011, 14, 516-523.	0.5	2
61	Separation of unsaturated C18 fatty acids using perfluorinated-micellar electrokinetic	4.9	1