

Christian W Huck

List of Publications by Year in descending order

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298
papers

12,370
citations

38720

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37183

96
g-index

308
all docs

308
docs citations

308
times ranked

13579
citing authors

#	ARTICLE	IF	CITATIONS
1	Present and Future of Surface-Enhanced Raman Scattering. ACS Nano, 2020, 14, 28-117.	7.3	2,153
2	Surface-Enhanced Infrared Spectroscopy Using Resonant Nanoantennas. Chemical Reviews, 2017, 117, 5110-5145.	23.0	457
3	Medicinal applications of fullerenes. International Journal of Nanomedicine, 2007, 2, 639-49.	3.3	402
4	Recent developments in polymer-based sorbents for solid-phase extraction. Journal of Chromatography A, 2000, 885, 51-72.	1.8	281
5	A Review of Mid-Infrared and Near-Infrared Imaging: Principles, Concepts and Applications in Plant Tissue Analysis. Molecules, 2017, 22, 168.	1.7	257
6	Optical Nanoantennas for Multiband Surface-Enhanced Infrared and Raman Spectroscopy. ACS Nano, 2013, 7, 3522-3531.	7.3	201
7	Surface-Enhanced Infrared Spectroscopy Using Nanometer-Sized Gaps. ACS Nano, 2014, 8, 4908-4914.	7.3	192
8	Near-Infrared Spectroscopy in Bio-Applications. Molecules, 2020, 25, 2948.	1.7	185
9	Breakthrough Potential in Near-Infrared Spectroscopy: Spectra Simulation. A Review of Recent Developments. Frontiers in Chemistry, 2019, 7, 48.	1.8	170
10	Principles and Applications of Miniaturized Near-Infrared (NIR) Spectrometers. Chemistry - A European Journal, 2021, 27, 1514-1532.	1.7	169
11	Analysis of caffeine, theobromine and theophylline in coffee by near infrared spectroscopy (NIRS) compared to high-performance liquid chromatography (HPLC) coupled to mass spectrometry. Analytica Chimica Acta, 2005, 538, 195-203.	2.6	158
12	Food fraud: An exploratory study for measuring consumer perception towards mislabeled food products and influence on self-authentication intentions. Trends in Food Science and Technology, 2016, 50, 211-218.	7.8	138
13	Biomarker discovery in breast cancer serum using 2-D differential gel electrophoresis/ MALDI-TOF/TOF and data validation by routine clinical assays. Electrophoresis, 2006, 27, 1641-1650.	1.3	121
14	Mucus permeating carriers: formulation and characterization of highly densely charged nanoparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 97, 273-279.	2.0	113
15	Biomolecular and bioanalytical applications of infrared spectroscopy – A review. Analytica Chimica Acta, 2020, 1133, 150-177.	2.6	107
16	Methods for detection of pork adulteration in veal product based on FT-NIR spectroscopy for laboratory, industrial and on-site analysis. Food Control, 2015, 57, 258-267.	2.8	106
17	Efficacy of Silver Nanoparticles-Impregnated External Ventricular Drain Catheters in Patients with Acute Occlusive Hydrocephalus. Neurocritical Care, 2008, 8, 360-365.	1.2	99
18	Do CAD/CAM dentures really release less monomer than conventional dentures?. Clinical Oral Investigations, 2017, 21, 1697-1705.	1.4	97

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19	Development and Application of C60-Fullerene Bound Silica for Solid-Phase Extraction of Biomolecules. <i>Analytical Chemistry</i> , 2007, 79, 8144-8153.	3.2	96
20	Handheld near-infrared spectrometers: Where are we heading?. <i>NIR News</i> , 2020, 31, 28-35.	1.6	96
21	Plasmonic Enhancement of Infrared Vibrational Signals: Nanoslits versus Nanorods. <i>ACS Photonics</i> , 2015, 2, 1489-1497.	3.2	95
22	Critical evaluation of spectral information of benchtop vs. portable near-infrared spectrometers: quantum chemistry and two-dimensional correlation spectroscopy for a better understanding of PLS regression models of the rosmarinic acid content in <i>Rosmarini folium</i> . <i>Analyst, The</i> , 2017, 142, 455-464.	1.7	94
23	Strong binding of bioactive BMP-2 to nanocrystalline diamond by physisorption. <i>Biomaterials</i> , 2006, 27, 4547-4556.	5.7	93
24	Analysis of protein phosphorylation by monolithic extraction columns based on poly(divinylbenzene) containing embedded titanium dioxide and zirconium dioxide nano-powders. <i>Proteomics</i> , 2008, 8, 4593-4602.	1.3	93
25	Au-Nanomaterials as a Superior Choice for Near-Infrared Photothermal Therapy. <i>Molecules</i> , 2014, 19, 20580-20593.	1.7	86
26	Disruption of vascular endothelial homeostasis by tobacco smoke's impact on atherosclerosis. <i>FASEB Journal</i> , 2003, 17, 2302-2304.	0.2	84
27	Influence of the polymerisation time on the porous and chromatographic properties of monolithic poly(1,2-bis(p-vinylphenyl))ethane capillary columns. <i>Journal of Chromatography A</i> , 2009, 1216, 7747-7754.	1.8	81
28	Silver segregation and bacterial growth of intraventricular catheters impregnated with silver nanoparticles in cerebrospinal fluid drainages. <i>Neurological Research</i> , 2008, 30, 285-287.	0.6	79
29	Gold Nanoantennas on a Pedestal for Plasmonic Enhancement in the Infrared. <i>ACS Photonics</i> , 2015, 2, 497-505.	3.2	76
30	Importance of Plasmonic Scattering for an Optimal Enhancement of Vibrational Absorption in SEIRA with Linear Metallic Antennas. <i>Journal of Physical Chemistry C</i> , 2015, 119, 26652-26662.	1.5	75
31	Quantitative detection of phosphoproteins by combination of two-dimensional difference gel electrophoresis and phosphospecific fluorescent staining. <i>Electrophoresis</i> , 2005, 26, 2850-2854.	1.3	73
32	Determination of flavonoids and stilbenes in red wine and related biological products by HPLC and HPLC-ESI-MS-MS. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 371, 73-80.	1.5	72
33	Reproducible quantification of ethanol in gasoline via a customized mobile near-infrared spectrometer. <i>Analytica Chimica Acta</i> , 2014, 826, 61-68.	2.6	70
34	Isolation and characterization of methoxylated flavones in the flowers of <i>Primula veris</i> by liquid chromatography and mass spectrometry. <i>Journal of Chromatography A</i> , 2000, 870, 453-462.	1.8	67
35	Poly(Glycidyl Methacrylate/Divinylbenzene)-IDA-Fellin Phosphoproteomics. <i>Journal of Proteome Research</i> , 2005, 4, 2312-2319.	1.8	66
36	Nanostructured Diamond-Like Carbon on Digital Versatile Disc as a Matrix-Free Target for Laser Desorption/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 7467-7472.	3.2	66

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37	Thiolated chitosan micelles: Highly mucoadhesive drug carriers. <i>Carbohydrate Polymers</i> , 2017, 167, 250-258.	5.1	66
38	Development and Evaluation of a New Method for the Determination of the Carotenoid Content in Selected Vegetables by HPLC and HPLC-MS-MS. <i>Journal of Chromatographic Science</i> , 2000, 38, 441-449.	0.7	64
39	Miniaturized NIR Spectroscopy in Food Analysis and Quality Control: Promises, Challenges, and Perspectives. <i>Foods</i> , 2022, 11, 1465.	1.9	64
40	Material-enhanced laser desorption/ionization (MELDI) – A new protein profiling tool utilizing specific carrier materials for time of flight mass spectrometric analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 1203-1208.	1.2	63
41	GC-MS method for the simultaneous determination of β -blockers, flavonoids, isoflavones and their metabolites in human urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 93-102.	1.4	61
42	Development and evaluation of an in vitro model for the analysis of cigarette smoke effects on cultured cells and tissues. <i>Journal of Pharmacological and Toxicological Methods</i> , 2004, 50, 45-51.	0.3	60
43	Simultaneous detection of total antioxidant capacity and total soluble solids content by Fourier transform near-infrared (FT-NIR) spectroscopy: A quick and sensitive method for on-site analyses of apples. <i>Food Control</i> , 2016, 66, 27-37.	2.8	60
44	Fourier transform infrared imaging analysis in discrimination studies of squamous cell carcinoma. <i>Analyst</i> , 2012, 137, 3965.	1.7	58
45	Analysis of drugs, natural and bioactive compounds containing phenolic groups by capillary electrophoresis coupled to mass spectrometry. <i>Electrophoresis</i> , 2005, 26, 1319-1333.	1.3	56
46	Monolithic poly(glycidyl methacrylate-co-divinylbenzene) capillary columns functionalized to strong anion exchangers for nucleotide and oligonucleotide separation. <i>Journal of Separation Science</i> , 2006, 29, 2478-2484.	1.3	56
47	Advances of infrared spectroscopy in natural product research. <i>Phytochemistry Letters</i> , 2015, 11, 384-393.	0.6	54
48	Identification of Milk Origin and Process-Induced Changes in Milk by Stable Isotope Ratio Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 11268-11273.	2.4	53
49	The use of thiolated polymers as carrier matrix in oral peptide delivery – Proof of concept. <i>Journal of Controlled Release</i> , 2005, 106, 26-33.	4.8	52
50	Simultaneous quantification of verbenalin and verbascoside in <i>Verbena officinalis</i> by ATR-IR and NIR spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 84, 97-102.	1.4	52
51	Enrichment of low-abundant serum proteins by albumin/immunoglobulin G immunoaffinity depletion under partly denaturing conditions. <i>Electrophoresis</i> , 2005, 26, 2843-2849.	1.3	51
52	A New Analytical Material-Enhanced Laser Desorption Ionization (MELDI) Based Approach for the Determination of Low-Mass Serum Constituents Using Fullerene Derivatives for Selective Enrichment. <i>Journal of Proteome Research</i> , 2007, 6, 44-53.	1.8	51
53	Near-infrared reflection spectroscopy (NIRS) as a successful tool for simultaneous identification and particle size determination of amoxicillin trihydrate. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 54, 1059-1064.	1.4	51
54	Synthesis and characterization of thiolated β -cyclodextrin as a novel mucoadhesive excipient for intra-oral drug delivery. <i>Carbohydrate Polymers</i> , 2015, 132, 187-195.	5.1	51

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55	Progress in capillary electrophoresis coupled to matrix-assisted laser desorption/ionization "time of flight mass spectrometry. <i>Electrophoresis</i> , 2006, 27, 2063-2074.	1.3	49
56	Characterization of normal and malignant prostate tissue by Fourier transform infrared microspectroscopy. <i>Molecular BioSystems</i> , 2010, 6, 2287.	2.9	49
57	Protein profiling for cancer biomarker discovery using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry and infrared imaging: A review. <i>Analytica Chimica Acta</i> , 2011, 690, 26-34.	2.6	48
58	Comparison of NIR chemical imaging with conventional NIR, Raman and ATR-IR spectroscopy for quantification of furosemide crystal polymorphs in ternary powder mixtures. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 616-625.	2.0	48
59	Temperature Drift of Conformational Equilibria of Butyl Alcohols Studied by Near-Infrared Spectroscopy and Fully Anharmonic DFT. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1950-1961.	1.1	48
60	Evaluation of the performance of three hand-held near-infrared spectrometer through investigation of total antioxidant capacity in gluten-free grains. <i>Talanta</i> , 2018, 189, 233-240.	2.9	48
61	Phosphoproteomic analysis using immobilized metal ion affinity chromatography on the basis of cellulose powder. <i>Proteomics</i> , 2005, 5, 46-54.	1.3	46
62	Derivatized Cellulose Combined with MALDI-TOF MS: A New Tool for Serum Protein Profiling. <i>Journal of Proteome Research</i> , 2005, 4, 2320-2326.	1.8	45
63	Ursolic acid causes DNA-damage, P53-mediated, mitochondria- and caspase-dependent human endothelial cell apoptosis, and accelerates atherosclerotic plaque formation in vivo. <i>Atherosclerosis</i> , 2011, 219, 402-408.	0.4	45
64	MALDI-MS tissue imaging identification of biliverdin reductase B overexpression in prostate cancer. <i>Journal of Proteomics</i> , 2013, 91, 500-514.	1.2	45
65	Automatic sample rotation for simultaneous determination of geographical origin and quality characteristics of apples based on near infrared spectroscopy (NIRS). <i>Vibrational Spectroscopy</i> , 2014, 72, 97-104.	1.2	45
66	Application of benchtop and portable near-infrared spectrometers for predicting the optimum harvest time of <i>Verbena officinalis</i> . <i>Talanta</i> , 2017, 169, 70-76.	2.9	43
67	NIR spectroscopy of natural medicines supported by novel instrumentation and methods for data analysis and interpretation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 193, 113686.	1.4	43
68	Amino-Functionalized Monolithic Poly(glycidyl methacrylate-co-divinylbenzene) Ion-Exchange Stationary Phases for the Separation of Oligonucleotides. <i>Chromatographia</i> , 2005, 62, s31-s36.	0.7	42
69	Comparison of multivariate analysis methods for extracting the paraffin component from the paraffin-embedded cancer tissue spectra for Raman imaging. <i>Scientific Reports</i> , 2017, 7, 44890.	1.6	42
70	NIR spectra simulation of thymol for better understanding of the spectra forming factors, phase and concentration effects and PLS regression features. <i>Journal of Molecular Liquids</i> , 2018, 268, 895-902.	2.3	42
71	Ultrafast Microwave-Assisted In-Tip Digestion of Proteins. <i>Journal of Proteome Research</i> , 2009, 8, 4225-4230.	1.8	41
72	Online Process Control of a Pharmaceutical Intermediate in a Fluidized-Bed Drier Environment Using Near-Infrared Spectroscopy. <i>Analytical Chemistry</i> , 2010, 82, 4209-4215.	3.2	41

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73	Surface-assisted laser desorption/ionization-mass spectrometry using TiO ₂ -coated steel targets for the analysis of small molecules. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 1963-1974.	1.9	41
74	Validation of Next-Generation Sequencing of Entire Mitochondrial Genomes and the Diversity of Mitochondrial DNA Mutations in Oral Squamous Cell Carcinoma. <i>PLoS ONE</i> , 2015, 10, e0135643.	1.1	41
75	Histidine77, Glutamic Acid81, Glutamic Acid123, Threonine126, Asparagine194, and Tryptophan197 of the Human Emopamil Binding Protein Are Required for in Vivo Sterol 17 β -HSD Isomerization. <i>Biochemistry</i> , 1999, 38, 1119-1127.	1.2	40
76	Silica-Lanthanum Oxide: Pioneer Composite of Rare-Earth Metal Oxide in Selective Phosphopeptides Enrichment. <i>Analytical Chemistry</i> , 2012, 84, 10180-10185.	3.2	40
77	Evaluation of benchtop versus portable near-infrared spectroscopic method combined with multivariate approaches for the fast and simultaneous quantitative analysis of main sugars in syrup formulations. <i>Food Control</i> , 2016, 68, 97-104.	2.8	40
78	NIR Spectra Simulations by Anharmonic DFT-Saturated and Unsaturated Long-Chain Fatty Acids. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6931-6944.	1.2	39
79	Critical Review on the Utilization of Handheld and Portable Raman Spectrometry in Meat Science. <i>Foods</i> , 2019, 8, 49.	1.9	39
80	Theae nigrae folium: Comparing the analytical performance of benchtop and handheld near-infrared spectrometers. <i>Talanta</i> , 2021, 221, 121165.	2.9	39
81	Multi-method Approach to Trace the Geographical Origin of Alpine Milk: a Case Study of Tyrol Region. <i>Food Analytical Methods</i> , 2016, 9, 1262-1273.	1.3	38
82	Investigations into the Performance of a Novel Pocket-Sized Near-Infrared Spectrometer for Cheese Analysis. <i>Molecules</i> , 2019, 24, 428.	1.7	38
83	Distinct Difference in Sensitivity of NIR vs. IR Bands of Melamine to Inter-Molecular Interactions with Impact on Analytical Spectroscopy Explained by Anharmonic Quantum Mechanical Study. <i>Molecules</i> , 2019, 24, 1402.	1.7	38
84	Morphological and tissue characterization of the medicinal fungus <i>Hericium coralloides</i> by a structural and molecular imaging platform. <i>Analyst</i> , The, 2012, 137, 1584-1595.	1.7	37
85	An industry perspective of food fraud. <i>Current Opinion in Food Science</i> , 2016, 10, 32-37.	4.1	37
86	Fast analysis of flavonoids in plant extracts by liquid chromatography-ultraviolet absorbance detection on poly(carboxylic acid)-coated silica and electrospray ionization tandem mass spectrometric detection. <i>Journal of Chromatography A</i> , 2002, 943, 33-38.	1.8	36
87	Development and Application of Fourier-Transform Infrared Chemical Imaging of Tumour in Human Tissue. <i>Current Medicinal Chemistry</i> , 2009, 16, 318-326.	1.2	36
88	Laser desorption/ionization mass spectrometric analysis of small molecules using fullerene-derivatized silica as energy-absorbing material. <i>Journal of Mass Spectrometry</i> , 2010, 45, 545-552.	0.7	36
89	Selective enrichment of phosphopeptides by a metal-organic framework. <i>Analytical Methods</i> , 2013, 5, 2379.	1.3	36
90	Near-infrared spectroscopy in quality control of <i>Piper nigrum</i> : A comparison of performance of benchtop and handheld spectrometers. <i>Talanta</i> , 2021, 223, 121809.	2.9	36

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91	Evaluation of extraction methods for the simultaneous analysis of simple and macrocyclic trichothecenes. <i>Talanta</i> , 2007, 73, 251-257.	2.9	35
92	Principles and Applications of Vibrational Spectroscopic Imaging in Plant Science: A Review. <i>Frontiers in Plant Science</i> , 2020, 11, 1226.	1.7	35
93	Critical Review Upon the Role and Potential of Fluorescence and Near-Infrared Imaging and Absorption Spectroscopy in Cancer Related Cells, Serum, Saliva, Urine and Tissue Analysis. <i>Current Medicinal Chemistry</i> , 2016, 23, 3052-3077.	1.2	35
94	Analysis of three flavonoids by CE-uV and CE-ESI-MS. Determination of naringenin from a phytomedicine. <i>Journal of Separation Science</i> , 2002, 25, 903-908.	1.3	34
95	Comparative analysis of naphthodianthrone and phloroglucine derivatives in St. John's Wort extracts by near infrared spectroscopy, high-performance liquid chromatography and capillary electrophoresis. <i>Analytica Chimica Acta</i> , 2006, 580, 223-230.	2.6	34
96	Advances, challenges and perspectives of quantum chemical approaches in molecular spectroscopy of the condensed phase. <i>Chemical Society Reviews</i> , 2021, 50, 10917-10954.	18.7	34
97	Nanocrystalline Diamond – An Excellent Platform for Life Science Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 4581-4587.	0.9	34
98	Ultra-fast mass fingerprinting by high-affinity capture of peptides and proteins on derivatized poly(glycidyl methacrylate/divinylbenzene) for the analysis of serum and cell lysates. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2954-2960.	0.7	33
99	Monolithic poly(1,2-bis(vinylphenyl)ethane) capillary columns for simultaneous separation of low- and high-molecular-weight compounds. <i>Journal of Separation Science</i> , 2009, 32, 2510-2520.	1.3	33
100	High-Temperature Carbon Deposition on Oxide Surfaces by CO Disproportionation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 1795-1807.	1.5	32
101	Recent progress in high-performance capillary bioseparations. <i>Electrophoresis</i> , 2003, 24, 3977-3997.	1.3	31
102	Mass Spectrometric Identification of Serum Peptides Employing Derivatized Poly(glycidyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td	1.8	31
103	Prospects for multivariate classification of a pharmaceutical intermediate with near-infrared spectroscopy as a process analytical technology (PAT) production control supplement. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 76, 320-327.	2.0	31
104	Versatile nanocomposites in phosphoproteomics: A review. <i>Analytica Chimica Acta</i> , 2012, 747, 7-18.	2.6	31
105	A chromatographic and spectroscopic analytical platform for the characterization of St John's wort extract adulterations. <i>Analytical Methods</i> , 2013, 5, 616-628.	1.3	31
106	Alps food authentication, typicality and intrinsic quality by near infrared spectroscopy. <i>Food Research International</i> , 2014, 62, 984-990.	2.9	31
107	Novel bioadhesive polymers as intra-articular agents: Chondroitin sulfate-cysteine conjugates. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 101, 25-32.	2.0	31
108	Enriching and Quantifying Porous Single Layer 2D Polymers by Exfoliation of Chemically Modified van der Waals Crystals. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5683-5695.	7.2	31

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109	CE coupled to MALDI with novel covalently coated capillaries. <i>Electrophoresis</i> , 2010, 31, 618-629.	1.3	30
110	Rapid determination of baicalin and total baicalein content in <i>Scutellariae radix</i> by ATR-IR and NIR spectroscopy. <i>Talanta</i> , 2013, 114, 304-310.	2.9	30
111	Functionalized diamond nanopowder for phosphopeptides enrichment from complex biological fluids. <i>Analytica Chimica Acta</i> , 2013, 775, 75-84.	2.6	30
112	Comparison of sensitivity to artificial spectral errors and multivariate LOD in NIR spectroscopy – Determining the performance of miniaturizations on melamine in milk powder. <i>Talanta</i> , 2017, 166, 109-118.	2.9	30
113	Progress in capillary electrophoresis of biomarkers and metabolites between 2002 and 2005. <i>Electrophoresis</i> , 2006, 27, 111-125.	1.3	29
114	Comparison of near-infrared diffuse reflectance (NIR) and attenuated-total-reflectance mid-infrared (ATR-IR) spectroscopic determination of the antioxidant capacity of <i>Sambuci flos</i> with classic wet chemical methods (assays). <i>Analytical Methods</i> , 2016, 8, 97-104.	1.3	29
115	Near-Infrared Spectroscopy as a Rapid Screening Method for the Determination of Total Anthocyanin Content in <i>Sambucus Fructus</i> . <i>Sensors</i> , 2020, 20, 4983.	2.1	29
116	Challenging handheld NIR spectrometers with moisture analysis in plant matrices: Performance of PLSR vs. GPR vs. ANN modelling. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 249, 119342.	2.0	29
117	Comparison of NIR and ATR-IR spectroscopy for the determination of the antioxidant capacity of <i>Primulae flos cum calycibus</i> . <i>Analytical Methods</i> , 2014, 6, 6343.	1.3	28
118	Newly Fabricated Magnetic Lanthanide Oxides Core-Shell Nanoparticles in Phosphoproteomics. <i>Analytical Chemistry</i> , 2015, 87, 4726-4732.	3.2	28
119	Investigations into the use of handheld near-infrared spectrometer and novel semi-automated data analysis for the determination of protein content in different cultivars of <i>Panicum miliaceum</i> L.. <i>Talanta</i> , 2019, 205, 120115.	2.9	28
120	Mid-infrared spectroscopy as process analytical technology tool for estimation of THC and CBD content in Cannabis flowers and extracts. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 251, 119422.	2.0	28
121	Solid-phase extraction of galloyl- and caffeoylquinic acids from natural sources (<i>Galpimia glauca</i>) Tj ETQq1 1 0.784314 rgBT /Overloc spin columns. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 84, 148-158.	1.4	27
122	Advances of vibrational spectroscopic methods in phytomics and bioanalysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 87, 26-35.	1.4	27
123	A Near Infrared Spectroscopy (NIRS) and Chemometric Approach to Improve Apple Fruit Quality Management: A Case Study on the Cultivars – ‘Cripps Pink’ and ‘Braeburn’. <i>Molecules</i> , 2015, 20, 13603-13619.	1.7	27
124	Metallic Properties of the Si(111) – 5 Å – 2 Å Au Surface from Infrared Plasmon Polaritons and Ab Initio Theory. <i>Nano Letters</i> , 2015, 15, 4155-4160.	4.5	27
125	Influence of Non-fundamental Modes on Mid-infrared Spectra: Anharmonic DFT Study of Aliphatic Ethers. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1412-1424.	1.1	27
126	Recent Applications of Organic Monoliths in Capillary Liquid Chromatographic Separation of Biomolecules. <i>Journal of Chromatographic Science</i> , 2009, 47, 418-431.	0.7	26

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127	Use of fullerene, octadecyl, and triacontyl silica for solid phase extraction of tryptic peptides obtained from unmodified and <i>in vitro</i> glycosylated human serum albumin and fibrinogen. <i>Journal of Separation Science</i> , 2009, 32, 295-308.	1.3	26
128	An innovative monolithic zwitterionic stationary phase for the separation of phenolic acids in coffee bean extracts by capillary electrochromatography. <i>Analytica Chimica Acta</i> , 2017, 963, 136-142.	2.6	26
129	Current and future research directions in computer-aided near-infrared spectroscopy: A perspective. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 254, 119625.	2.0	26
130	Spectra-structure correlations in NIR region of polymers from quantum chemical calculations. The cases of aromatic ring, C=O, C-N and C-Cl functionalities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 262, 120085.	2.0	26
131	Capillary electrochromatography of biologically relevant flavonoids. <i>Electrophoresis</i> , 2006, 27, 787-792.	1.3	25
132	Development of oral self nano-emulsifying delivery system(s) of lanreotide with improved stability against presystemic thiol-disulfide exchange reactions. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 923-929.	2.4	25
133	Critical Evaluation of NIR and ATR-IR Spectroscopic Quantifications of Rosmarinic Acid in <i>Rosmarini folium</i> Supported by Quantum Chemical Calculations. <i>Planta Medica</i> , 2017, 83, 1076-1084.	0.7	25
134	Insect Protein Content Analysis in Handcrafted Fitness Bars by NIR Spectroscopy. Gaussian Process Regression and Data Fusion for Performance Enhancement of Miniaturized Cost-Effective Consumer-Grade Sensors. <i>Molecules</i> , 2021, 26, 6390.	1.7	25
135	Influence of the pore structure on the properties of silica based reversed phase packings for LC. <i>Journal of Separation Science</i> , 2005, 28, 313-324.	1.3	24
136	Alternative profiling platform based on MELDI and its applicability in clinical proteomics. <i>Expert Review of Proteomics</i> , 2007, 4, 447-452.	1.3	24
137	CEC and EKC of natural compounds. <i>Electrophoresis</i> , 2007, 28, 1645-1657.	1.3	24
138	Recent advances in capillary electrophoresis for biomarker discovery. <i>Journal of Separation Science</i> , 2007, 30, 192-201.	1.3	24
139	Synthesis and In Vitro Evaluation of Thiolated Carrageenan. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 2523-2530.	1.6	24
140	Near-IR Spectroscopy and Its Applications. , 2018, , 11-38.		24
141	Monolithic poly[(trimethylsilyl-4-methylstyrene)-co- bis(4-vinylbenzyl)dimethylsilane] stationary phases for the fast separation of proteins and oligonucleotides. <i>Journal of Chromatography A</i> , 2007, 1147, 53-58.	1.8	23
142	Effect of a thiolated polymer on oral paclitaxel absorption and tumor growth in rats. <i>Journal of Drug Targeting</i> , 2008, 16, 149-155.	2.1	23
143	In-Tip Lanthanum Oxide Monolith for the Enrichment of Phosphorylated Biomolecules. <i>Analytical Chemistry</i> , 2017, 89, 10232-10238.	3.2	23
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