

Peter J Oefner

List of Publications by Year in descending order

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220
papers

25,056
citations

9254

74
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7340

152
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224
docs citations

224
times ranked

29183
citing authors

#	ARTICLE	IF	CITATIONS
1	Familial Hemiplegic Migraine and Episodic Ataxia Type-2 Are Caused by Mutations in the Ca ²⁺ Channel Gene CACNL1A4. <i>Cell</i> , 1996, 87, 543-552.	13.5	2,287
2	LDHA-Associated Lactic Acid Production Blunts Tumor Immunosurveillance by T and NK Cells. <i>Cell Metabolism</i> , 2016, 24, 657-671.	7.2	1,126
3	CD133+ and CD133 ⁻ Glioblastoma-Derived Cancer Stem Cells Show Differential Growth Characteristics and Molecular Profiles. <i>Cancer Research</i> , 2007, 67, 4010-4015.	0.4	1,027
4	Y chromosome sequence variation and the history of human populations. <i>Nature Genetics</i> , 2000, 26, 358-361.	9.4	935
5	The Genetic Legacy of Paleolithic Homo sapiens sapiens in Extant Europeans: A Y Chromosome Perspective. <i>Science</i> , 2000, 290, 1155-1159.	6.0	783
6	Denaturing high-performance liquid chromatography: A review. <i>Human Mutation</i> , 2001, 17, 439-474.	1.1	674
7	Detection of Numerous Y Chromosome Biallelic Polymorphisms by Denaturing High-Performance Liquid Chromatography. <i>Genome Research</i> , 1997, 7, 996-1005.	2.4	617
8	Deficiency in glutamine but not glucose induces MYC-dependent apoptosis in human cells. <i>Journal of Cell Biology</i> , 2007, 178, 93-105.	2.3	599
9	Dissecting the architecture of a quantitative trait locus in yeast. <i>Nature</i> , 2002, 416, 326-330.	13.7	524
10	Systematic screen for human disease genes in yeast. <i>Nature Genetics</i> , 2002, 31, 400-404.	9.4	503
11	Metagenomic Analysis of the Stool Microbiome in Patients Receiving Allogeneic Stem Cell Transplantation: Loss of Diversity Is Associated with Use of Systemic Antibiotics and More Pronounced in Gastrointestinal Graft-versus-Host Disease. <i>Biology of Blood and Marrow Transplantation</i> , 2014, 20, 640-645.	2.0	444
12	The extent of linkage disequilibrium in <i>Arabidopsis thaliana</i> . <i>Nature Genetics</i> , 2002, 30, 190-193.	9.4	425
13	The Role of Selection in the Evolution of Human Mitochondrial Genomes. <i>Genetics</i> , 2006, 172, 373-387.	1.2	395
14	Y-Chromosome Evidence for a Northward Migration of Modern Humans into Eastern Asia during the Last Ice Age. <i>American Journal of Human Genetics</i> , 1999, 65, 1718-1724.	2.6	394
15	Origin, Diffusion, and Differentiation of Y-Chromosome Haplogroups E and J: Inferences on the Neolithization of Europe and Later Migratory Events in the Mediterranean Area. <i>American Journal of Human Genetics</i> , 2004, 74, 1023-1034.	2.6	345
16	Blind Analysis of Denaturing High-Performance Liquid Chromatography as a Tool for Mutation Detection. <i>Genomics</i> , 1998, 52, 44-49.	1.3	334
17	Lactic Acid and Acidification Inhibit TNF Secretion and Glycolysis of Human Monocytes. <i>Journal of Immunology</i> , 2010, 184, 1200-1209.	0.4	325
18	A Back Migration from Asia to Sub-Saharan Africa Is Supported by High-Resolution Analysis of Human Y-Chromosome Haplotypes. <i>American Journal of Human Genetics</i> , 2002, 70, 1197-1214.	2.6	318

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19	Excavating Y-chromosome haplotype strata in Anatolia. <i>Human Genetics</i> , 2004, 114, 127-148.	1.8	318
20	African Origin of Modern Humans in East Asia: A Tale of 12,000 Y Chromosomes. <i>Science</i> , 2001, 292, 1151-1153.	6.0	310
21	GLUT1 Expression Is Increased in Hepatocellular Carcinoma and Promotes Tumorigenesis. <i>American Journal of Pathology</i> , 2009, 174, 1544-1552.	1.9	283
22	Genome-wide mapping with biallelic markers in <i>Arabidopsis thaliana</i> . <i>Nature Genetics</i> , 1999, 23, 203-207.	9.4	260
23	Phylogeography of Y-Chromosome Haplogroup I Reveals Distinct Domains of Prehistoric Gene Flow in Europe. <i>American Journal of Human Genetics</i> , 2004, 75, 128-137.	2.6	256
24	Srebp-controlled glucose metabolism is essential for NK cell functional responses. <i>Nature Immunology</i> , 2017, 18, 1197-1206.	7.0	249
25	Genome sequencing and comparative analysis of <i>Saccharomyces cerevisiae</i> strain YJM789. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12825-12830.	3.3	240
26	Transcriptional Profiles of CD133+ and CD133 [~] Glioblastoma-Derived Cancer Stem Cell Lines Suggest Different Cells of Origin. <i>Cancer Research</i> , 2010, 70, 2030-2040.	0.4	237
27	High-Resolution Analysis of Human Y-Chromosome Variation Shows a Sharp Discontinuity and Limited Gene Flow between Northwestern Africa and the Iberian Peninsula. <i>American Journal of Human Genetics</i> , 2001, 68, 1019-1029.	2.6	234
28	A Simple Procedure for the Analysis of Single Nucleotide Polymorphisms Facilitates Map-Based Cloning in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2000, 124, 1483-1492.	2.3	227
29	Melanesian and Asian Origins of Polynesians: mtDNA and Y Chromosome Gradients Across the Pacific. <i>Molecular Biology and Evolution</i> , 2006, 23, 2234-2244.	3.5	216
30	Denaturing High-Performance Liquid Chromatography Detects Reliably BRCA1 and BRCA2 Mutations. <i>Genomics</i> , 1999, 62, 369-376.	1.3	214
31	Transformation of follicular lymphoma to diffuse large-cell lymphoma: Alternative patterns with increased or decreased expression of c-myc and its regulated genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 8886-8891.	3.3	204
32	Revealing the prehistoric settlement of Australia by Y chromosome and mtDNA analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 8726-8730.	3.3	204
33	Lactate promotes glioma migration by TGF- β -dependent regulation of matrix metalloproteinase-2. <i>Neuro-Oncology</i> , 2009, 11, 368-380.	0.6	204
34	Metabolite extraction from adherently growing mammalian cells for metabolomics studies: optimization of harvesting and extraction protocols. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 1127-1139.	1.9	200
35	Origins and Divergence of the Roma (Gypsies). <i>American Journal of Human Genetics</i> , 2001, 69, 1314-1331.	2.6	188
36	Microbiota Disruption Induced by Early Use of Broad-Spectrum Antibiotics Is an Independent Risk Factor of Outcome after Allogeneic Stem Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2017, 23, 845-852.	2.0	183

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37	Integrative Analysis of the Mitochondrial Proteome in Yeast. <i>PLoS Biology</i> , 2004, 2, e160.	2.6	181
38	Delaying aging and the aging-associated decline in protein homeostasis by inhibition of tryptophan degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14912-14917.	3.3	180
39	Advances in amino acid analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 445-452.	1.9	168
40	Third-party fecal microbiota transplantation following allo-HCT reconstitutes microbiome diversity. <i>Blood Advances</i> , 2018, 2, 745-753.	2.5	167
41	Rare, Evolutionarily Unlikely Missense Substitutions in ATM Confer Increased Risk of Breast Cancer. <i>American Journal of Human Genetics</i> , 2009, 85, 427-446.	2.6	165
42	Reduced Y-Chromosome, but Not Mitochondrial DNA, Diversity in Human Populations from West New Guinea. <i>American Journal of Human Genetics</i> , 2003, 72, 281-302.	2.6	160
43	Double genetic disruption of lactate dehydrogenases A and B is required to ablate the "Warburg effect" restricting tumor growth to oxidative metabolism. <i>Journal of Biological Chemistry</i> , 2018, 293, 15947-15961.	1.6	160
44	A Metabolome-Wide Association Study of Kidney Function and Disease in the General Population. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 1175-1188.	3.0	159
45	Automated GC-MS analysis of free amino acids in biological fluids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 870, 222-232.	1.2	158
46	Urinary amino acid analysis: A comparison of iTRAQ-LC-MS/MS, GC-MS, and amino acid analyzer. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 1838-1846.	1.2	150
47	Task-specific expression of the foraging gene in harvester ants. <i>Molecular Ecology</i> , 2005, 14, 813-818.	2.0	147
48	Sequential Elimination of Major-Effect Contributors Identifies Additional Quantitative Trait Loci Conditioning High-Temperature Growth in Yeast. <i>Genetics</i> , 2008, 180, 1661-1670.	1.2	145
49	Y-chromosomal evidence of a pastoralist migration through Tanzania to southern Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10693-10698.	3.3	133
50	Premature Termination Mutations in FBN1: Distinct Effects on Differential Allelic Expression and on Protein and Clinical Phenotypes. <i>American Journal of Human Genetics</i> , 2002, 71, 223-237.	2.6	131
51	Quantitative profiling of tryptophan metabolites in serum, urine, and cell culture supernatants by liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 3249-3261.	1.9	130
52	The German Chronic Kidney Disease (GCKD) study: design and methods. <i>Nephrology Dialysis Transplantation</i> , 2012, 27, 1454-1460.	0.4	127
53	Urinary Metabolite Quantification Employing 2D NMR Spectroscopy. <i>Analytical Chemistry</i> , 2008, 80, 9288-9297.	3.2	123
54	NMR Metabolomic Analysis of Dairy Cows Reveals Milk Glycerophosphocholine to Phosphocholine Ratio as Prognostic Biomarker for Risk of Ketosis. <i>Journal of Proteome Research</i> , 2012, 11, 1373-1381.	1.8	122

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55	Rapid and Accurate Sizing of DNA Fragments by Ion-Pair Chromatography on Alkylated Nonporous Poly(styrene-divinylbenzene) Particles. <i>Analytical Chemistry</i> , 1995, 67, 578-585.	3.2	118
56	Contributions of ATM mutations to familial breast and ovarian cancer. <i>Cancer Research</i> , 2003, 63, 3325-33.	0.4	113
57	Comprehensive two-dimensional gas chromatography in metabolomics. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1993-2013.	1.9	104
58	Capillary zone electrophoresis and micellar electrokinetic chromatography of 4-aminobenzonitrile carbohydrate derivatives. <i>Electrophoresis</i> , 1994, 15, 941-952.	1.3	101
59	Genotyping single nucleotide polymorphisms by primer extension and high performance liquid chromatography. <i>Human Genetics</i> , 1999, 104, 89-93.	1.8	101
60	Genetic studies of urinary metabolites illuminate mechanisms of detoxification and excretion in humans. <i>Nature Genetics</i> , 2020, 52, 167-176.	9.4	101
61	Denaturing HPLC-Identified Novel FBN1 Mutations, Polymorphisms, and Sequence Variants in Marfan Syndrome and Related Connective Tissue Disorders. <i>Genetic Testing and Molecular Biomarkers</i> , 1997, 1, 237-242.	1.7	99
62	A Novel Y-Chromosome Variant Puts an Upper Limit on the Timing of First Entry into the Americas. <i>American Journal of Human Genetics</i> , 2003, 73, 700-705.	2.6	99
63	Mistargeting of Peroxisomal EHHADH and Inherited Renal Fanconi's Syndrome. <i>New England Journal of Medicine</i> , 2014, 370, 129-138.	13.9	99
64	High-resolution liquid chromatography of DNA fragments on non-porous poly(styrene-divinylbenzene) particles. <i>Nucleic Acids Research</i> , 1993, 21, 1061-1066.	6.5	97
65	Global sequence diversity of BRCA2: analysis of 71 breast cancer families and 95 control individuals of worldwide populations [published erratum appears in <i>Hum Mol Genet</i> 1999 Apr;8(4):717-9]. <i>Human Molecular Genetics</i> , 1999, 8, 413-423.	1.4	97
66	D-2-hydroxyglutarate interferes with HIF-1 α stability skewing T-cell metabolism towards oxidative phosphorylation and impairing Th17 polarization. <i>Oncolmmunology</i> , 2018, 7, e1445454.	2.1	97
67	Global Analysis of ATM Polymorphism Reveals Significant Functional Constraint. <i>American Journal of Human Genetics</i> , 2001, 69, 396-412.	2.6	93
68	Capillary electrophoresis of carbohydrates. <i>Glycobiology</i> , 1994, 4, 397-412.	1.3	87
69	New Aspects of an Old Drug " Diclofenac Targets MYC and Glucose Metabolism in Tumor Cells. <i>PLoS ONE</i> , 2013, 8, e66987.	1.1	86
70	High-resolution capillary electrophoretic analysis of DNA in free solution. <i>Electrophoresis</i> , 1992, 13, 18-31.	1.3	85
71	Validation of microarray-based resequencing of 93 worldwide mitochondrial genomes. <i>Human Mutation</i> , 2009, 30, 115-122.	1.1	83
72	Polyol Pathway Links Glucose Metabolism to the Aggressiveness of Cancer Cells. <i>Cancer Research</i> , 2018, 78, 1604-1618.	0.4	83

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73	Capillary zone electrophoresis of p-aminobenzoic acid derivatives of aldoses, ketoses and uronic acids. <i>Electrophoresis</i> , 1993, 14, 1004-1010.	1.3	81
74	BRCA1-related breast cancer in Austrian breast and ovarian cancer families: Specific BRCA1 mutations and pathological characteristics. , 1998, 77, 354-360.		81
75	Monolithic capillary columns for liquid chromatography-“electrospray ionization mass spectrometry in proteomic and genomic research. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 782, 111-125.	1.2	79
76	Diclofenac inhibits lactate formation and efficiently counteracts local immune suppression in a murine glioma model. <i>International Journal of Cancer</i> , 2013, 132, 843-853.	2.3	77
77	Reduced genetic structure of the Iberian peninsula revealed by Y-chromosome analysis: implications for population demography. <i>European Journal of Human Genetics</i> , 2004, 12, 855-863.	1.4	76
78	Frequentist Estimation of Coalescence Times From Nucleotide Sequence Data Using a Tree-Based Partition. <i>Genetics</i> , 2002, 161, 447-459.	1.2	76
79	Metabolic plasticity of human T cells: Preserved cytokine production under glucose deprivation or mitochondrial restriction, but 2- deoxy- glucose affects effector functions. <i>European Journal of Immunology</i> , 2015, 45, 2504-2516.	1.6	75
80	Proteome analysis of mitochondrial outer membrane from <i>Neurospora crassa</i> . <i>Proteomics</i> , 2006, 6, 72-80.	1.3	74
81	Conservation of the class I beta-tubulin gene in human populations and lack of mutations in lung cancers and paclitaxel-resistant ovarian cancers. <i>Molecular Cancer Therapeutics</i> , 2002, 1, 215-25.	1.9	72
82	Maori origins, Y-chromosome haplotypes and implications for human history in the Pacific. <i>Human Mutation</i> , 2001, 17, 271-280.	1.1	70
83	Direct and tumor microenvironment mediated influences of 5- deoxy- 5-(methylthio)adenosine on tumor progression of malignant melanoma. <i>Journal of Cellular Biochemistry</i> , 2009, 106, 210-219.	1.2	70
84	High-Accuracy DNA Sequence Variation Screening by DHPLC. <i>BioTechniques</i> , 2000, 29, 1084-1092.	0.8	69
85	Capillary electrophoretic analysis of flavonoids. <i>Electrophoresis</i> , 1992, 13, 35-38.	1.3	68
86	Identification by Denaturing High-Performance Liquid Chromatography of Numerous Polymorphisms in a Candidate Region for Multiple Sclerosis Susceptibility. <i>Genomics</i> , 1999, 56, 247-253.	1.3	66
87	Reconstruction of patrilineages and matrilineages of Samaritans and other Israeli populations from Y-Chromosome and mitochondrial DNA sequence Variation. <i>Human Mutation</i> , 2004, 24, 248-260.	1.1	66
88	First-generation SNP/InDel markers tagging loci for pathogen resistance in the potato genome. <i>Plant Biotechnology Journal</i> , 2003, 1, 399-410.	4.1	63
89	Development of a quantitative, validated Capillary electrophoresis-“time of flight “ mass spectrometry method with integrated high- confidence analyte identification for metabolomics. <i>Electrophoresis</i> , 2008, 29, 2203-2214.	1.3	63
90	Genotyping of SNPs in a Polyploid Genome by Pyrosequencing. <i>BioTechniques</i> , 2002, 32, 592-603.	0.8	62

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91	An Automated Hydrodynamic Process for Controlled, Unbiased DNA Shearing. <i>Genome Research</i> , 1998, 8, 848-855.	2.4	61
92	Cloning of the Arabidopsis RSF1 Gene by Using a Mapping Strategy Based on High-Density DNA Arrays and Denaturing High-Performance Liquid Chromatography. <i>Plant Cell</i> , 2000, 12, 2485-2498.	3.1	61
93	Detection of autosomal dominant polycystic kidney disease by NMR spectroscopic fingerprinting of urine. <i>Kidney International</i> , 2011, 79, 1244-1253.	2.6	59
94	Extracellular Citrate Affects Critical Elements of Cancer Cell Metabolism and Supports Cancer Development <i>in Vivo</i> . <i>Cancer Research</i> , 2018, 78, 2513-2523.	0.4	59
95	High-performance liquid chromatographic separation of detritylated oligonucleotides on highly cross-linked poly-(styrene-divinylbenzene) particles. <i>Journal of Chromatography A</i> , 1992, 599, 113-118.	1.8	58
96	Integrative Normalization and Comparative Analysis for Metabolic Fingerprinting by Comprehensive Two-Dimensional Gas Chromatography–Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 5731-5739.	3.2	56
97	Comparative study of capillary zone electrophoresis and high-performance liquid chromatography in the analysis of oligonucleotides and DNA. <i>Journal of Chromatography A</i> , 1992, 625, 331-340.	1.8	55
98	Down-Regulation of Methylthioadenosine Phosphorylase (MTAP) Induces Progression of Hepatocellular Carcinoma via Accumulation of 5-Deoxy-5-Methylthioadenosine (MTA). <i>American Journal of Pathology</i> , 2011, 178, 1145-1152.	1.9	54
99	Rapid Quantification of Gene Expression by Competitive RT-PCR and Ion-Pair Reversed-Phase HPLC. <i>BioTechniques</i> , 1996, 20, 250-257.	0.8	53
100	Capillary electrophoresis and column chromatography in biomedical chiral amino acid analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 695-706.	1.9	53
101	Comparison of derivatization and chromatographic methods for GC–MS analysis of amino acid enantiomers in physiological samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 1103-1112.	1.2	53
102	Improved enantiomer resolution and quantification of free d-amino acids in serum and urine by comprehensive two-dimensional gas chromatography–time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 4537-4544.	1.8	53
103	Glycine Amidinotransferase (GATM), Renal Fanconi Syndrome, and Kidney Failure. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 1849-1858.	3.0	53
104	Mitochondrial DNA copy number is associated with mortality and infections in a large cohort of patients with chronic kidney disease. <i>Kidney International</i> , 2019, 96, 480-488.	2.6	53
105	Mutation detection by capillary denaturing high-performance liquid chromatography using monolithic columns. <i>Journal of Proteomics</i> , 2001, 47, 5-19.	2.4	52
106	Reduced Expression of Fibroblast Growth Factor Receptor 2IIIb in Hepatocellular Carcinoma Induces a More Aggressive Growth. <i>American Journal of Pathology</i> , 2010, 176, 1433-1442.	1.9	52
107	Tryptophan catabolism is associated with acute GVHD after human allogeneic stem cell transplantation and indicates activation of indoleamine 2,3-dioxygenase. <i>Blood</i> , 2011, 118, 6971-6974.	0.6	52
108	Mutational analyses of BRCA1 and BRCA2 in Ashkenazi and non-Ashkenazi Jewish women with familial breast and ovarian cancer. <i>Human Mutation</i> , 2000, 16, 491-501.	1.1	50

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109	Hypoxia-inducible protein 2/Hif2α mediates neutral lipid accumulation in macrophages and contributes to atherosclerosis in apolipoprotein E-deficient mice. <i>FASEB Journal</i> , 2017, 31, 4971-4984.	0.2	50
110	Suppressive effects of tumor cell-derived 5'-deoxy-5'-methylthioadenosine on human T cells. <i>Oncology</i> , 2016, 5, e1184802.	2.1	48
111	Regulation and function of the atypical cadherin FAT1 in hepatocellular carcinoma. <i>Carcinogenesis</i> , 2014, 35, 1407-1415.	1.3	46
112	A decade of high-resolution liquid chromatography of nucleic acids on styrene-divinylbenzene copolymers. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 782, 27-55.	1.2	45
113	Two ATM variants and breast cancer risk. <i>Human Mutation</i> , 2005, 25, 594-595.	1.1	44
114	Deficient Tryptophan Catabolism along the Kynurenine Pathway Reveals That the Epididymis Is in a Unique Tolerogenic State. <i>Journal of Biological Chemistry</i> , 2011, 286, 8030-8042.	1.6	44
115	Modeling the temporal interplay of molecular signaling and gene expression by using dynamic nested effects models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6447-6452.	3.3	43
116	Comparison of serum versus plasma collection in gas chromatography-mass spectrometry-based metabolomics. <i>Electrophoresis</i> , 2010, 31, 2365-2373.	1.3	43
117	Performance Evaluation of Gas Chromatography-Atmospheric Pressure Chemical Ionization-Time-of-Flight Mass Spectrometry for Metabolic Fingerprinting and Profiling. <i>Analytical Chemistry</i> , 2011, 83, 7514-7522.	3.2	43
118	Quantification of intermediates of the methionine and polyamine metabolism by liquid chromatography-tandem mass spectrometry in cultured tumor cells and liver biopsies. <i>Journal of Chromatography A</i> , 2010, 1217, 3282-3288.	1.8	39
119	Metformin inhibits proliferation and migration of glioblastoma cells independently of TGF-β2. <i>Cell Cycle</i> , 2016, 15, 1755-1766.	1.3	39
120	Genome-Wide Association Studies of Metabolites in Patients with CKD Identify Multiple Loci and Illuminate Tubular Transport Mechanisms. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 1513-1524.	3.0	39
121	Isotachopheric analysis of flavonoids and phenolcarboxylic acids of relevance to phytopharmaceutical industry. <i>Journal of Chromatography A</i> , 1991, 559, 499-504.	1.8	35
122	High-performance liquid chromatographic determination of free polyamines in human seminal plasma. <i>Clinica Chimica Acta</i> , 1992, 205, 11-18.	0.5	35
123	Collagen XVI Induces Expression of MMP9 via Modulation of AP-1 Transcription Factors and Facilitates Invasion of Oral Squamous Cell Carcinoma. <i>PLoS ONE</i> , 2014, 9, e86777.	1.1	35
124	Experimental test of a method for determining causal connectivities of species in reactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 1494-1498.	3.3	34
125	Performance Evaluation of Algorithms for the Classification of Metabolic ¹ H NMR Fingerprints. <i>Journal of Proteome Research</i> , 2012, 11, 6242-6251.	1.8	33
126	Data Normalization of ¹ H NMR Metabolite Fingerprinting Data Sets in the Presence of Unbalanced Metabolite Regulation. <i>Journal of Proteome Research</i> , 2015, 14, 3217-3228.	1.8	32

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127	Quantitative analysis of 5â€²-deoxy-5â€²-methylthioadenosine in melanoma cells by liquid chromatography-stable isotope ratio tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 876, 123-128.	1.2	30
128	Distinct metabolic differences between various human cancer and primary cells. <i>Electrophoresis</i> , 2013, 34, 2836-2847.	1.3	29
129	Surface-charge reversed capillary zone electrophoresis of inorganic and organic anions. <i>Electrophoresis</i> , 1995, 16, 46-56.	1.3	28
130	Capillary electrophoretic determination of the component monosaccharides in hemicelluloses. <i>Fresenius' Journal of Analytical Chemistry</i> , 1994, 348, 825-831.	1.5	26
131	Early changes in the liverâ€soluble proteome from mice fed a nonalcoholic steatohepatitis inducing diet. <i>Proteomics</i> , 2012, 12, 1437-1451.	1.3	26
132	Visceral adipose tissue but not subcutaneous adipose tissue is associated with urine and serum metabolites. <i>PLoS ONE</i> , 2017, 12, e0175133.	1.1	26
133	Systematic Evaluation of Non-Uniform Sampling Parameters in the Targeted Analysis of Urine Metabolites by 1H,1H 2D NMR Spectroscopy. <i>Scientific Reports</i> , 2018, 8, 4249.	1.6	26
134	Applicability of tandem mass spectrometry to the automated comparative sequencing of long-chain oligonucleotides. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 510-522.	1.2	25
135	Optimized suppression of adducts in polymerase chain reaction products for semi-quantitative SNP genotyping by liquid chromatography-mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 1897-1906.	1.2	25
136	High CD206 levels in Hodgkin lymphomaâ€educated macrophages are linked to matrixâ€remodeling and lymphoma dissemination. <i>Molecular Oncology</i> , 2020, 14, 571-589.	2.1	25
137	Capillary Array High-Performance Liquid Chromatography of Nucleic Acids and Proteins. <i>Analytical Chemistry</i> , 2002, 74, 4688-4693.	3.2	24
138	Mutation scanning by ion-pair reversed-phase high-performance liquid chromatography-electrospray ionization mass spectrometry (ICEMS). <i>Human Mutation</i> , 2003, 21, 86-95.	1.1	24
139	Comparison of two algorithmic data processing strategies for metabolic fingerprinting by comprehensive two-dimensional gas chromatographyâ€time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 7031-8.	1.8	24
140	Correlations between Milk and Plasma Levels of Amino and Carboxylic Acids in Dairy Cows. <i>Journal of Proteome Research</i> , 2013, 12, 5223-5232.	1.8	24
141	Continuous Water Infusion Enhances Atmospheric Pressure Chemical Ionization of Methyl Chloroformate Derivatives in Gas Chromatography Coupled to Time-of-Flight Mass Spectrometry-Based Metabolomics. <i>Analytical Chemistry</i> , 2014, 86, 9186-9195.	3.2	24
142	Quantification of Metabolites by NMR Spectroscopy in the Presence of Protein. <i>Journal of Proteome Research</i> , 2017, 16, 1784-1796.	1.8	24
143	Temperature-Modulated Array High-Performance Liquid Chromatography. <i>Genome Research</i> , 2001, 11, 1944-1951.	2.4	23
144	LEF1 supports metastatic brain colonization by regulating glutathione metabolism and increasing ROS resistance in breast cancer. <i>International Journal of Cancer</i> , 2020, 146, 3170-3183.	2.3	23

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145	Distinct von Hippel-Lindau gene and hypoxia-regulated alterations in gene and protein expression patterns of renal cell carcinoma and their effects on metabolism. <i>Oncotarget</i> , 2015, 6, 11395-11406.	0.8	23
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