

Katja Dettmer

List of Publications by Year in descending order

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108
papers

9,209
citations

61945

43
h-index

42364

92
g-index

110
all docs

110
docs citations

110
times ranked

14935
citing authors

#	ARTICLE	IF	CITATIONS
1	Prolonged Suppression of Butyrate-Producing Bacteria Is Associated With Acute Gastrointestinal Graft-vs-Host Disease and Transplantation-Related Mortality After Allogeneic Stem Cell Transplantation. <i>Clinical Infectious Diseases</i> , 2022, 74, 614-621.	2.9	20
2	Acidic Microenvironments Found in Cutaneous Leishmania Lesions Curtail NO-Dependent Antiparasitic Macrophage Activity. <i>Frontiers in Immunology</i> , 2022, 13, 789366.	2.2	4
3	LDHB Overexpression Can Partially Overcome T Cell Inhibition by Lactic Acid. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5970.	1.8	13
4	De novo polyamine synthesis supports metabolic and functional responses in activated murine NK cells. <i>European Journal of Immunology</i> , 2021, 51, 91-102.	1.6	18
5	Mitochondrial arginase-2 is essential for IL-10 metabolic reprogramming of inflammatory macrophages. <i>Nature Communications</i> , 2021, 12, 1460.	5.8	74
6	Lactonization of the Oncometabolite D-2-Hydroxyglutarate Produces a Novel Endogenous Metabolite. <i>Cancers</i> , 2021, 13, 1756.	1.7	8
7	Associations between urinary 3-indoxyl sulfate, a gut microbiome-derived biomarker, and patient outcomes after intensive care unit admission. <i>Journal of Critical Care</i> , 2021, 63, 15-21.	1.0	4
8	Cold Atmospheric Plasma Changes the Amino Acid Composition of Solutions and Influences the Anti-Tumor Effect on Melanoma Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7886.	1.8	8
9	Cytokine-specific autoantibodies shape the gut microbiome in autoimmune polyendocrine syndrome type 1. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 148, 876-888.	1.5	9
10	Balancing of mitochondrial translation through METTL8-mediated m3C modification of mitochondrial tRNAs. <i>Molecular Cell</i> , 2021, 81, 4810-4825.e12.	4.5	44
11	Kynurenine induces T cell fat catabolism and has limited suppressive effects in vivo. <i>EBioMedicine</i> , 2021, 74, 103734.	2.7	20
12	Empagliflozin Reduces Renal Hyperfiltration in Response to Uninephrectomy, but Is Not Nephroprotective in UNx/DOCA/Salt Mouse Models. <i>Frontiers in Pharmacology</i> , 2021, 12, 761855.	1.6	12
13	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
14	High CD206 levels in Hodgkin lymphoma-educated macrophages are linked to matrix remodeling and lymphoma dissemination. <i>Molecular Oncology</i> , 2020, 14, 571-589.	2.1	25
15	Activation of Epidermal Growth Factor Receptor Sensitizes Glioblastoma Cells to Hypoxia-Induced Cell Death. <i>Cancers</i> , 2020, 12, 2144.	1.7	6
16	Optimized Protocol for the In Situ Derivatization of Glutathione with N-Ethylmaleimide in Cultured Cells and the Simultaneous Determination of Glutathione/Glutathione Disulfide Ratio by HPLC-UV-QTOF-MS. <i>Metabolites</i> , 2020, 10, 292.	1.3	15
17	Acquired resistance to DZNep-mediated apoptosis is associated with copy number gains of AHCY in a B-cell lymphoma model. <i>BMC Cancer</i> , 2020, 20, 427.	1.1	3
18	Arginase impedes the resolution of colitis by altering the microbiome and metabolome. <i>Journal of Clinical Investigation</i> , 2020, 130, 5703-5720.	3.9	44

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19	Detrimental Effect of Broad-spectrum Antibiotics on Intestinal Microbiome Diversity in Patients After Allogeneic Stem Cell Transplantation: Lack of Commensal Sparing Antibiotics. <i>Clinical Infectious Diseases</i> , 2019, 68, 1303-1310.	2.9	69
20	Amino Acid Analysis in Physiological Samples by GC-MS with Propyl Chloroformate Derivatization and iTRAQ-LC-MS/MS. <i>Methods in Molecular Biology</i> , 2019, 2030, 173-190.	0.4	9
21	Quantification and ¹³ C-Tracer analysis of total reduced glutathione by HPLC-QTOFMS/MS. <i>Analytica Chimica Acta</i> , 2019, 1080, 127-137.	2.6	17
22	Topical Diclofenac Reprograms Metabolism and Immune Cell Infiltration in Actinic Keratosis. <i>Frontiers in Oncology</i> , 2019, 9, 605.	1.3	20
23	Restricting Glycolysis Preserves T Cell Effector Functions and Augments Checkpoint Therapy. <i>Cell Reports</i> , 2019, 29, 135-150.e9.	2.9	189
24	Library Selection with a Randomized Repertoire of β -Barrel Enzymes Results in Unexpected Induction of Gene Expression. <i>Biochemistry</i> , 2019, 58, 4207-4217.	1.2	0
25	Degradation of D-2-hydroxyglutarate in the presence of isocitrate dehydrogenase mutations. <i>Scientific Reports</i> , 2019, 9, 7436.	1.6	7
26	D-2-Hydroxyglutarate and L-2-Hydroxyglutarate Inhibit IL-12 Secretion by Human Monocyte-Derived Dendritic Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 742.	1.8	16
27	Limitation of TCA Cycle Intermediates Represents an Oxygen-Independent Nutritional Antibacterial Effector Mechanism of Macrophages. <i>Cell Reports</i> , 2019, 26, 3502-3510.e6.	2.9	29
28	Potential biomarkers to predict outcome of faecal microbiota transfer for recurrent <i>Clostridioides difficile</i> infection. <i>Digestive and Liver Disease</i> , 2019, 51, 944-951.	0.4	13
29	Incidence of Arterial Hypotension in Patients Receiving Peroral or Continuous Intra-arterial Nimodipine After Aneurysmal or Perimesencephalic Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2019, 31, 32-39.	1.2	22
30	Serotonin and tryptophan metabolites, autoantibodies and gut microbiome in APECED. <i>Endocrine Connections</i> , 2019, 8, 69-77.	0.8	3
31	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
32	D-2-hydroxyglutarate interferes with HIF-1 α stability skewing T-cell metabolism towards oxidative phosphorylation and impairing Th17 polarization. <i>Oncotmmunology</i> , 2018, 7, e1445454.	2.1	97
33	Cooperative STAT/NF- κ B signaling regulates lymphoma metabolic reprogramming and aberrant GOT2 expression. <i>Nature Communications</i> , 2018, 9, 1514.	5.8	44
34	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
35	Polyol Pathway Links Glucose Metabolism to the Aggressiveness of Cancer Cells. <i>Cancer Research</i> , 2018, 78, 1604-1618.	0.4	83
36	Third-party fecal microbiota transplantation following allo-HCT reconstitutes microbiome diversity. <i>Blood Advances</i> , 2018, 2, 745-753.	2.5	167

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37	Correcting for natural isotope abundance and tracer impurity in MS-, MS/MS- and high-resolution-multiple-tracer-data from stable isotope labeling experiments with IsoCorrectoR. <i>Scientific Reports</i> , 2018, 8, 17910.	1.6	88
38	Combined Modulation of Tumor Metabolism by Metformin and Diclofenac in Glioma. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2586.	1.8	23
39	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
40	Amino acid-dependent cMyc expression is essential for NK cell metabolic and functional responses in mice. <i>Nature Communications</i> , 2018, 9, 2341.	5.8	238
41	Biological and clinical significance of tryptophan-catabolizing enzymes in cutaneous T-cell lymphomas. <i>Oncolmmunology</i> , 2017, 6, e1273310.	2.1	21
42	Comprehensive Metaboproteomics of Burkitt's and Diffuse Large B-Cell Lymphoma Cell Lines and Primary Tumor Tissues Reveals Distinct Differences in Pyruvate Content and Metabolism. <i>Journal of Proteome Research</i> , 2017, 16, 1105-1120.	1.8	22
43	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
44	Quantification of Metabolites by NMR Spectroscopy in the Presence of Protein. <i>Journal of Proteome Research</i> , 2017, 16, 1784-1796.	1.8	24
45	Srebp-controlled glucose metabolism is essential for NK cell functional responses. <i>Nature Immunology</i> , 2017, 18, 1197-1206.	7.0	249
46	From Discovery to Translation: Characterization of C-Mannosyltryptophan and Pseudouridine as Markers of Kidney Function. <i>Scientific Reports</i> , 2017, 7, 17400.	1.6	31
47	Quantitative Imaging of D-2-Hydroxyglutarate in Selected Histological Tissue Areas by a Novel Bioluminescence Technique. <i>Frontiers in Oncology</i> , 2016, 6, 46.	1.3	6
48	Optimizing the SWATH-MS-workflow for label-free proteomics. <i>Journal of Proteomics</i> , 2016, 145, 137-140.	1.2	21
49	Metformin inhibits proliferation and migration of glioblastoma cells independently of TGF- β 2. <i>Cell Cycle</i> , 2016, 15, 1755-1766.	1.3	39
50	Renal Fanconi Syndrome Is Caused by a Mistargeting-Based Mitochondriopathy. <i>Cell Reports</i> , 2016, 15, 1423-1429.	2.9	27
51	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
52	Evaluation of dilution and normalization strategies to correct for urinary output in HPLC-HRTOFMS metabolomics. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8483-8493.	1.9	21
53	Suppressive effects of tumor cell-derived 5'-deoxy-5'-methylthioadenosine on human T cells. <i>Oncolmmunology</i> , 2016, 5, e1184802.	2.1	48
54	Rifaximin preserves intestinal microbiota balance in patients undergoing allogeneic stem cell transplantation. <i>Bone Marrow Transplantation</i> , 2016, 51, 1087-1092.	1.3	90

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55	Melanocytes are more responsive to IFN- γ and produce higher amounts of kynurenine than melanoma cells. <i>Biological Chemistry</i> , 2016, 397, 85-90.	1.2	6
56	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
57	Characterization of the Methylthioadenosine Phosphorylase Polymorphism rs7023954 - Incidence and Effects on Enzymatic Function in Malignant Melanoma. <i>PLoS ONE</i> , 2016, 11, e0160348.	1.1	5
58	Low urinary indoxyl sulfate levels early after transplantation reflect a disrupted microbiome and are associated with poor outcome. <i>Blood</i> , 2015, 126, 1723-1728.	0.6	164
59	Ferritin-Mediated Iron Sequestration Stabilizes Hypoxia-Inducible Factor-1 α upon LPS Activation in the Presence of Ample Oxygen. <i>Cell Reports</i> , 2015, 13, 2048-2055.	2.9	106
60	Enhanced metabolite profiling using a redesigned atmospheric pressure chemical ionization source for gas chromatography coupled to high-resolution time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6669-6680.	1.9	17
61	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
62	Mistargeting of Peroxisomal EHHADH and Inherited Renal Fanconi's Syndrome. <i>New England Journal of Medicine</i> , 2014, 370, 129-138.	13.9	99
63	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
64	Assessment of ionic liquid stationary phases for the GC analysis of fatty acid methyl esters. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 4931-4939.	1.9	28
65	Distinct metabolic differences between various human cancer and primary cells. <i>Electrophoresis</i> , 2013, 34, 2836-2847.	1.3	29
66	Changes in the hepatic mitochondrial and membrane proteome in mice fed a non-alcoholic steatohepatitis inducing diet. <i>Journal of Proteomics</i> , 2013, 80, 107-122.	1.2	23
67	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
68	Gas Chromatographic Techniques in Metabolomics. <i>RSC Chromatography Monographs</i> , 2013, , 87-113.	0.1	5
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	Expression and Function of Methylthioadenosine Phosphorylase in Chronic Liver Disease. <i>PLoS ONE</i> , 2013, 8, e80703.	1.1	7
71	Inducing anti-tumor cytokines and an immune response in melanoma by inhibition of MIA using the peptide AR71. <i>European Journal of Dermatology</i> , 2013, 23, 820-825.	0.3	2
72	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

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73	Metabolic Fingerprinting Using Comprehensive Two-Dimensional Gas Chromatography \hat{c} Time-of-Flight Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2012, 815, 399-411.	0.4	7
74	Amino Acid Analysis in Physiological Samples by GC \hat{c} MS with Propyl Chloroformate Derivatization and iTRAQ \hat{c} LC \hat{c} MS/MS. <i>Methods in Molecular Biology</i> , 2012, 828, 165-181.	0.4	33
75	Early changes in the liver \hat{c} soluble proteome from mice fed a nonalcoholic steatohepatitis inducing diet. <i>Proteomics</i> , 2012, 12, 1437-1451.	1.3	26
76	Comprehensive two-dimensional gas chromatography in metabolomics. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1993-2013.	1.9	104
77	Performance Evaluation of Gas Chromatography \hat{c} Atmospheric Pressure Chemical Ionization \hat{c} Time-of-Flight Mass Spectrometry for Metabolic Fingerprinting and Profiling. <i>Analytical Chemistry</i> , 2011, 83, 7514-7522.	3.2	43
78	Down-Regulation of Methylthioadenosine Phosphorylase (MTAP) Induces Progression of Hepatocellular Carcinoma via Accumulation of 5 \hat{c} 2-Deoxy-5 \hat{c} 2-Methylthioadenosine (MTA). <i>American Journal of Pathology</i> , 2011, 178, 1145-1152.	1.9	54
79	Comparison of two algorithmic data processing strategies for metabolic fingerprinting by comprehensive two-dimensional gas chromatography \hat{c} time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 7031-8.	1.8	24
80	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
81	Quantitative profiling of tryptophan metabolites in serum, urine, and cell culture supernatants by liquid chromatography \hat{c} tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 3249-3261.	1.9	130
82	Improved enantiomer resolution and quantification of free d-amino acids in serum and urine by comprehensive two-dimensional gas chromatography \hat{c} time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 4537-4544.	1.8	53
83	Comparison of derivatization and chromatographic methods for GC \hat{c} 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
84	Comparison of serum versus plasma collection in gas chromatography \hat{c} Mass spectrometry \hat{c} based metabolomics. <i>Electrophoresis</i> , 2010, 31, 2365-2373.	1.3	43
85	Quantification of intermediates of the methionine and polyamine metabolism by liquid chromatography \hat{c} tandem mass spectrometry in cultured tumor cells and liver biopsies. <i>Journal of Chromatography A</i> , 2010, 1217, 3282-3288.	1.8	39
86	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
87	Nuclear magnetic resonance and mass spectrometry-based milk metabolomics in dairy cows during early and late lactation. <i>Journal of Dairy Science</i> , 2010, 93, 1539-1550.	1.4	133
88	Lactic Acid and Acidification Inhibit TNF Secretion and Glycolysis of Human Monocytes. <i>Journal of Immunology</i> , 2010, 184, 1200-1209.	0.4	325
89	Lactate promotes glioma migration by TGF- \hat{c} 2 \hat{c} dependent regulation of matrix metalloproteinase-2. <i>Neuro-Oncology</i> , 2009, 11, 368-380.	0.6	204
90	Direct and tumor microenvironment mediated influences of 5 \hat{c} 2-Deoxy-5 \hat{c} 2-(methylthio)adenosine on tumor progression of malignant melanoma. <i>Journal of Cellular Biochemistry</i> , 2009, 106, 210-219.	1.2	70

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91	Advances in amino acid analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 445-452.	1.9	168
92	Capillary electrophoresis and column chromatography in biomedical chiral amino acid analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 695-706.	1.9	53
93	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
94	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
95	Hyphenated mass spectrometry in the analysis of the central carbon metabolism. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 895-898.	1.9	6
96	Metabolic profiling of major vitamin D metabolites using Diels-Alder derivatization and ultra-performance liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1917-1930.	1.9	175
97	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
98	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
99	Quantitative analysis of 5-deoxy-5-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
100	Urinary Metabolite Quantification Employing 2D NMR Spectroscopy. <i>Analytical Chemistry</i> , 2008, 80, 9288-9297.	3.2	123
101	Mass spectrometry-based metabolomics. <i>Mass Spectrometry Reviews</i> , 2007, 26, 51-78.	2.8	1,754
102	Autism and urinary exogenous neuropeptides: development of an on-line SPE-HPLC-tandem mass spectrometry method to test the opioid excess theory. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 1643-1651.	1.9	47
103	On the occasion of Professor Werner Engewald's 70th birthday. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 1631-1632.	1.9	0
104	Improved methods for urinary atrazine mercapturate analysis-Assessment of an enzyme-linked immunosorbent assay (ELISA) and a novel liquid chromatography-mass spectrometry (LC-MS) method utilizing online solid phase extraction (SPE). <i>Analytica Chimica Acta</i> , 2006, 572, 180-189.	2.6	20
105	The Role of Inflammatory Mediators in the Synergistic Toxicity of Ozone and 1-Nitronaphthalene in Rat Airways. <i>Environmental Health Perspectives</i> , 2006, 114, 1354-1360.	2.8	11
106	Development of a HPLC/Tandem-MS Method for the Analysis of the Larvicides Methoprene, Hydroprene, and Kinoprene at Trace Levels Using Diels-Alder Derivatization. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 3306-3312.	2.4	9
107	Metabolomics--a new exciting field within the "omics" sciences.. <i>Environmental Health Perspectives</i> , 2004, 112, A396-7.	2.8	140
108	When Chromatography Meets Mass Spectrometry - Retirement Colloquium for Werner Engewald and Rainer Herzschuh. <i>Journal of Separation Science</i> , 2002, 25, 1364-1364.	1.3	0