Katja Dettmer

List of Publications by Year
in descending order

108	9,209	61984 43	42399 92
papers	citations	h-index	g-index

110	110	110	14935
all docs	docs citations	times ranked	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. Clinical Infectious Diseases, 2022, 74, 614-621.	5.8	20
2	Acidic Microenvironments Found in Cutaneous Leishmania Lesions Curtail NO-Dependent Antiparasitic Macrophage Activity. Frontiers in Immunology, 2022, 13, 789366.	4.8	4
3	LDHB Overexpression Can Partially Overcome T Cell Inhibition by Lactic Acid. International Journal of Molecular Sciences, 2022, 23, 5970.	4.1	13
4	De novo polyamine synthesis supports metabolic and functional responses in activated murine NK cells. European Journal of Immunology, 2021, 51, 91-102.	2.9	18
5	Mitochondrial arginase-2 is essential for IL-10 metabolic reprogramming of inflammatory macrophages. Nature Communications, 2021, 12, 1460.	12.8	74
6	Lactonization of the Oncometabolite D-2-Hydroxyglutarate Produces a Novel Endogenous Metabolite. Cancers, 2021, 13, 1756.	3.7	8
7	Associations between urinary 3-indoxyl sulfate, a gut microbiome-derived biomarker, and patient outcomes after intensive care unit admission. Journal of Critical Care, 2021, 63, 15-21.	2.2	4
8	Cold Atmospheric Plasma Changes the Amino Acid Composition of Solutions and Influences the Anti-Tumor Effect on Melanoma Cells. International Journal of Molecular Sciences, 2021, 22, 7886.	4.1	8
9	Cytokine-specific autoantibodies shape the gut microbiome in autoimmune polyendocrine syndrome type 1. Journal of Allergy and Clinical Immunology, 2021, 148, 876-888.	2.9	9
10	Balancing of mitochondrial translation through METTL8-mediated m3C modification of mitochondrial tRNAs. Molecular Cell, 2021, 81, 4810-4825.e12.	9.7	44
11	Kynurenine induces T cell fat catabolism and has limited suppressive effects in vivo. EBioMedicine, 2021, 74, 103734.	6.1	20
12	Empagliflozin Reduces Renal Hyperfiltration in Response to Uninephrectomy, but Is Not Nephroprotective in UNx/DOCA/Salt Mouse Models. Frontiers in Pharmacology, 2021, 12, 761855.	3.5	12
13	LEF1 supports metastatic brain colonization by regulating glutathione metabolism and increasing ROS resistance in breast cancer. International Journal of Cancer, 2020, 146, 3170-3183.	5.1	23
14	High CD206 levels in Hodgkin lymphomaâ€educated macrophages are linked to matrixâ€remodeling and lymphoma dissemination. Molecular Oncology, 2020, 14, 571-589.	4.6	25
15	Activation of Epidermal Growth Factor Receptor Sensitizes Glioblastoma Cells to Hypoxia-Induced Cell Death. Cancers, 2020, 12, 2144.	3.7	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. Metabolites, 2020, 10, 292.	2.9	15
17	Acquired resistance to DZNep-mediated apoptosis is associated with copy number gains of AHCY in a B-cell lymphoma model. BMC Cancer, 2020, 20, 427.	2.6	3
18	Arginase impedes the resolution of colitis by altering the microbiome and metabolome. Journal of Clinical Investigation, 2020, 130, 5703-5720.	8.2	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. Clinical Infectious Diseases, 2019, 68, 1303-1310.	5.8	69
20	Amino Acid Analysis in Physiological Samples by GC-MS with Propyl Chloroformate Derivatization and iTRAQ-LC-MS/MS. Methods in Molecular Biology, 2019, 2030, 173-190.	0.9	9
21	Quantification and 13C-Tracer analysis of total reduced glutathione by HPLC-QTOFMS/MS. Analytica Chimica Acta, 2019, 1080, 127-137.	5.4	17
22	Topical Diclofenac Reprograms Metabolism and Immune Cell Infiltration in Actinic Keratosis. Frontiers in Oncology, 2019, 9, 605.	2.8	20
23	Restricting Glycolysis Preserves T Cell Effector Functions and Augments Checkpoint Therapy. Cell Reports, 2019, 29, 135-150.e9.	6.4	189
24	Library Selection with a Randomized Repertoire of (Î²Î±)₈-Barrel Enzymes Results in Unexpected Induction of Gene Expression. Biochemistry, 2019, 58, 4207-4217.	2.5	0
25	Degradation of D-2-hydroxyglutarate in the presence of isocitrate dehydrogenase mutations. Scientific Reports, 2019, 9, 7436.	3.3	7
26	D-2-Hydroxyglutarate and L-2-Hydroxyglutarate Inhibit IL-12 Secretion by Human Monocyte-Derived Dendritic Cells. International Journal of Molecular Sciences, 2019, 20, 742.	4.1	16
27	Limitation of TCA Cycle Intermediates Represents an Oxygen-Independent Nutritional Antibacterial Effector Mechanism of Macrophages. Cell Reports, 2019, 26, 3502-3510.e6.	6.4	29
28	Potential biomarkers to predict outcome of faecal microbiota transfer for recurrent Clostridioides difficile infection. Digestive and Liver Disease, 2019, 51, 944-951.	0.9	13
29	Incidence of Arterial Hypotension in Patients Receiving Peroral or Continuous Intra-arterial Nimodipine After Aneurysmal or Perimesencephalic Subarachnoid Hemorrhage. Neurocritical Care, 2019, 31, 32-39.	2.4	22
30	Serotonin and tryptophan metabolites, autoantibodies and gut microbiome in APECED. Endocrine Connections, 2019, 8, 69-77.	1.9	3
31	Extracellular Citrate Affects Critical Elements of Cancer Cell Metabolism and Supports Cancer Development In Vivo. Cancer Research, 2018, 78, 2513-2523.	0.9	59
32	D-2-hydroxyglutarate interferes with HIF-1Î± stability skewing T-cell metabolism towards oxidative phosphorylation and impairing Th17 polarization. OncoImmunology, 2018, 7, e1445454.	4.6	97
33	Cooperative STAT/NF-ÎºB signaling regulates lymphoma metabolic reprogramming and aberrant GOT2 expression. Nature Communications, 2018, 9, 1514.	12.8	44
34	Glycine Amidinotransferase (GATM), Renal Fanconi Syndrome, and Kidney Failure. Journal of the American Society of Nephrology: JASN, 2018, 29, 1849-1858.	6.1	53
35	Polyol Pathway Links Glucose Metabolism to the Aggressiveness of Cancer Cells. Cancer Research, 2018, 78, 1604-1618.	0.9	83
36	Third-party fecal microbiota transplantation following allo-HCT reconstitutes microbiome diversity. Blood Advances, 2018, 2, 745-753.	5.2	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. Scientific Reports, 2018, 8, 17910.	3.3	88
38	Combined Modulation of Tumor Metabolism by Metformin and Diclofenac in Glioma. International Journal of Molecular Sciences, 2018, 19, 2586.	4.1	23
39	Double genetic disruption of lactate dehydrogenases A and B is required to ablate the â€œWarburg effectâ€•restricting tumor growth to oxidative metabolism. Journal of Biological Chemistry, 2018, 293, 15947-15961.	3.4	160
40	Amino acid-dependent cMyc expression is essential for NK cell metabolic and functional responses in mice. Nature Communications, 2018, 9, 2341.	12.8	238
41	Biological and clinical significance of tryptophan-catabolizing enzymes in cutaneous T-cell lymphomas. OncoImmunology, 2017, 6, e1273310.	4.6	21
42	Comprehensive Metaboproteomics of Burkittâ€™s and Diffuse Large B-Cell Lymphoma Cell Lines and Primary Tumor Tissues Reveals Distinct Differences in Pyruvate Content and Metabolism. Journal of Proteome Research, 2017, 16, 1105-1120.	3.7	22
43	Microbiota Disruption Induced by Early Use of Broad-Spectrum Antibiotics Is an Independent Risk Factor of Outcome after Allogeneic Stem Cell Transplantation. Biology of Blood and Marrow Transplantation, 2017, 23, 845-852.	2.0	183
44	Quantification of Metabolites by NMR Spectroscopy in the Presence of Protein. Journal of Proteome Research, 2017, 16, 1784-1796.	3.7	24
45	Srebp-controlled glucose metabolism is essential for NK cell functional responses. Nature Immunology, 2017, 18, 1197-1206.	14.5	249
46	From Discovery to Translation: Characterization of C-Mannosyltryptophan and Pseudouridine as Markers of Kidney Function. Scientific Reports, 2017, 7, 17400.	3.3	31
47	Quantitative Imaging of D-2-Hydroxyglutarate in Selected Histological Tissue Areas by a Novel Bioluminescence Technique. Frontiers in Oncology, 2016, 6, 46.	2.8	6
48	Optimizing the SWATH-MS-workflow for label-free proteomics. Journal of Proteomics, 2016, 145, 137-140.	2.4	21
49	Metformin inhibits proliferation and migration of glioblastoma cells independently of TGF-Î²2. Cell Cycle, 2016, 15, 1755-1766.	2.6	39
50	Renal Fanconi Syndrome Is Caused by a Mistargeting-Based Mitochondriopathy. Cell Reports, 2016, 15, 1423-1429.	6.4	27
51	LDHA-Associated Lactic Acid Production Blunts Tumor Immunosurveillance by T and NK Cells. Cell Metabolism, 2016, 24, 657-671.	16.2	1,126
52	Evaluation of dilution and normalization strategies to correct for urinary output in HPLC-HRTOFMS metabolomics. Analytical and Bioanalytical Chemistry, 2016, 408, 8483-8493.	3.7	21
53	Suppressive effects of tumor cell-derived 5â€²-deoxy-5â€²-methylthioadenosine on human T cells. OncoImmunology, 2016, 5, e1184802.	4.6	48
54	Rifaximin preserves intestinal microbiota balance in patients undergoing allogeneic stem cell transplantation. Bone Marrow Transplantation, 2016, 51, 1087-1092.	2.4	90

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55	Melanocytes are more responsive to IFN-Î³ and produce higher amounts of kynurenine than melanoma cells. Biological Chemistry, 2016, 397, 85-90.	2.5	6
56	A Metabolome-Wide Association Study of Kidney Function and Disease in the General Population. Journal of the American Society of Nephrology: JASN, 2016, 27, 1175-1188.	6.1	159
57	Characterization of the Methylthioadenosine Phosphorylase Polymorphism rs7023954 - Incidence and Effects on Enzymatic Function in Malignant Melanoma. PLoS ONE, 2016, 11, e0160348.	2.5	5
58	Low urinary indoxyl sulfate levels early after transplantation reflect a disrupted microbiome and are associated with poor outcome. Blood, 2015, 126, 1723-1728.	1.4	164
59	Ferritin-Mediated Iron Sequestration Stabilizes Hypoxia-Inducible Factor-1Î± upon LPS Activation in the Presence of Ample Oxygen. Cell Reports, 2015, 13, 2048-2055.	6.4	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. Analytical and Bioanalytical Chemistry, 2015, 407, 6669-6680.	3.7	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. Oncotarget, 2015, 6, 11395-11406.	1.8	23
62	Mistargeting of Peroxisomal EHHADH and Inherited Renal Fanconi's Syndrome. New England Journal of Medicine, 2014, 370, 129-138.	27.0	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. Analytical Chemistry, 2014, 86, 9186-9195.	6.5	24
64	Assessment of ionic liquid stationary phases for the GC analysis of fatty acid methyl esters. Analytical and Bioanalytical Chemistry, 2014, 406, 4931-4939.	3.7	28
65	Distinct metabolic differences between various human cancer and primary cells. Electrophoresis, 2013, 34, 2836-2847.	2.4	29
66	Changes in the hepatic mitochondrial and membrane proteome in mice fed a non-alcoholic steatohepatitis inducing diet. Journal of Proteomics, 2013, 80, 107-122.	2.4	23
67	Correlations between Milk and Plasma Levels of Amino and Carboxylic Acids in Dairy Cows. Journal of Proteome Research, 2013, 12, 5223-5232.	3.7	24
68	Gas Chromatographic Techniques in Metabolomics. RSC Chromatography Monographs, 2013, , 87-113.	0.1	5
69	New Aspects of an Old Drug â€“ Diclofenac Targets MYC and Glucose Metabolism in Tumor Cells. PLoS ONE, 2013, 8, e66987.	2.5	86
70	Expression and Function of Methylthioadenosine Phosphorylase in Chronic Liver Disease. PLoS ONE, 2013, 8, e80703.	2.5	7
71	Inducing anti-tumor cytokines and an immune response in melanoma by inhibition of MIA using the peptide AR71. European Journal of Dermatology, 2013, 23, 820-825.	0.6	2
72	Delaying aging and the aging-associated decline in protein homeostasis by inhibition of tryptophan degradation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14912-14917.	7.1	180

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73	Metabolic Fingerprinting Using Comprehensive Two-Dimensional Gas Chromatography â€“ Time-of-Flight Mass Spectrometry. Methods in Molecular Biology, 2012, 815, 399-411.	0.9	7
74	Amino Acid Analysis in Physiological Samples by GCâ€“MS with Propyl Chloroformate Derivatization and iTRAQâ€“LCâ€“MS/MS. Methods in Molecular Biology, 2012, 828, 165-181.	0.9	33
75	Early changes in the liverâ€soluble proteome from mice fed a nonalcoholic steatohepatitis inducing diet. Proteomics, 2012, 12, 1437-1451.	2.2	26
76	Comprehensive two-dimensional gas chromatography in metabolomics. Analytical and Bioanalytical Chemistry, 2012, 402, 1993-2013.	3.7	104
77	Performance Evaluation of Gas Chromatographyâ€“Atmospheric Pressure Chemical Ionizationâ€“Time-of-Flight Mass Spectrometry for Metabolic Fingerprinting and Profiling. Analytical Chemistry, 2011, 83, 7514-7522.	6.5	43
78	Down-Regulation of Methylthioadenosine Phosphorylase (MTAP) Induces Progression of Hepatocellular Carcinoma via Accumulation of 5â€²-Deoxy-5â€²-Methylthioadenosine (MTA). American Journal of Pathology, 2011, 178, 1145-1152.	3.8	54
79	Comparison of two algorithmic data processing strategies for metabolic fingerprinting by comprehensive two-dimensional gas chromatographyâ€“time-of-flight mass spectrometry. Journal of Chromatography A, 2011, 1218, 7031-8.	3.7	24
80	Metabolite extraction from adherently growing mammalian cells for metabolomics studies: optimization of harvesting and extraction protocols. Analytical and Bioanalytical Chemistry, 2011, 399, 1127-1139.	3.7	200
81	Quantitative profiling of tryptophan metabolites in serum, urine, and cell culture supernatants by liquid chromatographyâ€“tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2011, 401, 3249-3261.	3.7	130
82	Improved enantiomer resolution and quantification of free d-amino acids in serum and urine by comprehensive two-dimensional gas chromatographyâ€“time-of-flight mass spectrometry. Journal of Chromatography A, 2011, 1218, 4537-4544.	3.7	53
83	Comparison of derivatization and chromatographic methods for GCâ€“MS analysis of amino acid enantiomers in physiological samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 1103-1112.	2.3	53
84	Comparison of serum versus plasma collection in gas chromatography â€“ Mass spectrometryâ€based metabolomics. Electrophoresis, 2010, 31, 2365-2373.	2.4	43
85	Quantification of intermediates of the methionine and polyamine metabolism by liquid chromatographyâ€“tandem mass spectrometry in cultured tumor cells and liver biopsies. Journal of Chromatography A, 2010, 1217, 3282-3288.	3.7	39
86	Reduced Expression of Fibroblast Growth Factor Receptor 2IIIb in Hepatocellular Carcinoma Induces a More Aggressive Growth. American Journal of Pathology, 2010, 176, 1433-1442.	3.8	52
87	Nuclear magnetic resonance and mass spectrometry-based milk metabolomics in dairy cows during early and late lactation. Journal of Dairy Science, 2010, 93, 1539-1550.	3.4	133
88	Lactic Acid and Acidification Inhibit TNF Secretion and Glycolysis of Human Monocytes. Journal of Immunology, 2010, 184, 1200-1209.	0.8	325
89	Lactate promotes glioma migration by TGF-Î²2â€“dependent regulation of matrix metalloproteinase-2. Neuro-Oncology, 2009, 11, 368-380.	1.2	204
90	Direct and tumor microenvironment mediated influences of 5â€²â€deoxyâ€5â€²â€(methylthio)adenosine on tumor progression of malignant melanoma. Journal of Cellular Biochemistry, 2009, 106, 210-219.	2.6	70

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91	Advances in amino acid analysis. Analytical and Bioanalytical Chemistry, 2009, 393, 445-452.	3.7	168
92	Capillary electrophoresis and column chromatography in biomedical chiral amino acid analysis. Analytical and Bioanalytical Chemistry, 2009, 394, 695-706.	3.7	53
93	Urinary amino acid analysis: A comparison of iTRAQÂ®â€“LCâ€“MS/MS, GCâ€“MS, and amino acid analyzer. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 1838-1846.	2.3	150
94	Integrative Normalization and Comparative Analysis for Metabolic Fingerprinting by Comprehensive Two-Dimensional Gas Chromatographyâ^'Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2009, 81, 5731-5739.	6.5	56
95	Hyphenated mass spectrometry in the analysis of the central carbon metabolism. Analytical and Bioanalytical Chemistry, 2008, 391, 895-898.	3.7	6
96	Metabolic profiling of major vitamin D metabolites using Dielsâ€“Alder derivatization and ultra-performance liquid chromatographyâ€“tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2008, 391, 1917-1930.	3.7	175
97	Development of a quantitative, validated Capillary electrophoresisâ€time of flight â€“ mass spectrometry method with integrated highâ€confidence analyte identification for metabolomics. Electrophoresis, 2008, 29, 2203-2214.	2.4	63
98	Automated GCâ€“MS analysis of free amino acids in biological fluids. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 870, 222-232.	2.3	158
99	Quantitative analysis of 5â€²-deoxy-5â€²-methylthioadenosine in melanoma cells by liquid chromatography-stable isotope ratio tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 876, 123-128.	2.3	30
100	Urinary Metabolite Quantification Employing 2D NMR Spectroscopy. Analytical Chemistry, 2008, 80, 9288-9297.	6.5	123
101	Mass spectrometryâ€based metabolomics. Mass Spectrometry Reviews, 2007, 26, 51-78.	5.4	1,754
102	Autism and urinary exogenous neuropeptides: development of an on-line SPEâ€“HPLCâ€“tandem mass spectrometry method to test the opioid excess theory. Analytical and Bioanalytical Chemistry, 2007, 388, 1643-1651.	3.7	47
103	On the occasion of Professor Werner Engewaldâ€™s 70th birthday. Analytical and Bioanalytical Chemistry, 2007, 388, 1631-1632.	3.7	0
104	Improved methods for urinary atrazine mercapturate analysisâ€”Assessment of an enzyme-linked immunosorbent assay (ELISA) and a novel liquid chromatographyâ€“mass spectrometry (LCâ€“MS) method utilizing online solid phase extraction (SPE). Analytica Chimica Acta, 2006, 572, 180-189.	5.4	20
105	The Role of Inflammatory Mediators in the Synergistic Toxicity of Ozone and 1-Nitronaphthalene in Rat Airways. Environmental Health Perspectives, 2006, 114, 1354-1360.	6.0	11
106	Development of a HPLC/Tandem-MS Method for the Analysis of the Larvicides Methoprene, Hydroprene, and Kinoprene at Trace Levels Using Dielsâ^'Alder Derivatization. Journal of Agricultural and Food Chemistry, 2005, 53, 3306-3312.	5.2	9
107	Metabolomics--a new exciting field within the "omics" sciences.. Environmental Health Perspectives, 2004, 112, A396-7.	6.0	140
108	When Chromatography Meets Mass Spectrometry - Retirement Colloquium for Werner Engewald and Rainer Herzschuh. Journal of Separation Science, 2002, 25, 1364-1364.	2.5	0