

Stefan Kempa

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

8,680
citations

66343

42
h-index

74163

75
g-index

82
all docs

82
docs citations

82
times ranked

15507
citing authors

#	ARTICLE	IF	CITATIONS
1	HDLBP binds ER-targeted mRNAs by multivalent interactions to promote protein synthesis of transmembrane and secreted proteins. <i>Nature Communications</i> , 2022, 13, 2727.	12.8	9
2	Inhibiting phosphoglycerate dehydrogenase counteracts chemotherapeutic efficacy against MYCN-amplified neuroblastoma. <i>International Journal of Cancer</i> , 2021, 148, 1219-1232.	5.1	13
3	Abrogating GPT2 in triple-negative breast cancer inhibits tumor growth and promotes autophagy. <i>International Journal of Cancer</i> , 2021, 148, 1993-2009.	5.1	14
4	Inhibiting PHGDH with NCT-503 reroutes glucose-derived carbons into the TCA cycle, independently of its on-target effect. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 1282-1289.	5.2	8
5	Salt Transiently Inhibits Mitochondrial Energetics in Mononuclear Phagocytes. <i>Circulation</i> , 2021, 144, 144-158.	1.6	32
6	Optimized Workflow for On-Line Derivatization for Targeted Metabolomics Approach by Gas Chromatography-Mass Spectrometry. <i>Metabolites</i> , 2021, 11, 888.	2.9	9
7	Analysing central metabolism in ultra-high resolution: At the crossroads of carbon and nitrogen. <i>Molecular Metabolism</i> , 2020, 33, 38-47.	6.5	12
8	Kinetic modelling of quantitative proteome data predicts metabolic reprogramming of liver cancer. <i>British Journal of Cancer</i> , 2020, 122, 233-244.	6.4	16
9	Towards a More Reliable Identification of Isomeric Metabolites Using Pattern Guided Retention Validation. <i>Metabolites</i> , 2020, 10, 457.	2.9	14
10	LifeTime and improving European healthcare through cell-based interceptive medicine. <i>Nature</i> , 2020, 587, 377-386.	27.8	108
11	Propionic Acid Shapes the Multiple Sclerosis Disease Course by an Immunomodulatory Mechanism. <i>Cell</i> , 2020, 180, 1067-1080.e16.	28.9	367
12	Nerve damage induced skeletal muscle atrophy is associated with increased accumulation of intramuscular glucose and polyol pathway intermediates. <i>Scientific Reports</i> , 2020, 10, 1908.	3.3	16
13	Localized Inhibition of Protein Phosphatase 1 by NUA1 Promotes Spliceosome Activity and Reveals a MYC-Sensitive Feedback Control of Transcription. <i>Molecular Cell</i> , 2020, 77, 1322-1339.e11.	9.7	34
14	Integrative functional genomics decodes herpes simplex virus 1. <i>Nature Communications</i> , 2020, 11, 2038.	12.8	61
15	The conserved histone chaperone LIN-53 is required for normal lifespan and maintenance of muscle integrity in <i>Caenorhabditis elegans</i> . <i>Aging Cell</i> , 2019, 18, e13012.	6.7	13
16	Context-specific regulation of cell survival by a miRNA-controlled BIM rheostat. <i>Genes and Development</i> , 2019, 33, 1673-1687.	5.9	13
17	C/EBP β -LIP induces cancer-type metabolic reprogramming by regulating the let-7/LIN28B circuit in mice. <i>Communications Biology</i> , 2019, 2, 208.	4.4	13
18	Non-canonical HIF-1 stabilization contributes to intestinal tumorigenesis. <i>Oncogene</i> , 2019, 38, 5670-5685.	5.9	26

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19	Short-Chain Fatty Acid Propionate Protects From Hypertensive Cardiovascular Damage. <i>Circulation</i> , 2019, 139, 1407-1421.	1.6	452
20	Stage-specific metabolic features of differentiating neurons: Implications for toxicant sensitivity. <i>Toxicology and Applied Pharmacology</i> , 2018, 354, 64-80.	2.8	29
21	Combined Human Genome-wide RNAi and Metabolite Analyses Identify IMPDH as a Host-Directed Target against Chlamydia Infection. <i>Cell Host and Microbe</i> , 2018, 23, 661-671.e8.	11.0	32
22	Systems Biology Approach to Study Cancer Metabolism. , 2018, , .		0
23	Alterations of mTOR signaling impact metabolic stress resistance in colorectal carcinomas with BRAF and KRAS mutations. <i>Scientific Reports</i> , 2018, 8, 9204.	3.3	22
24	Maf links Neuregulin1 signaling to cholesterol synthesis in myelinating Schwann cells. <i>Genes and Development</i> , 2018, 32, 645-657.	5.9	22
25	Muscle Atrophy Due to Nerve Damage Is Accompanied by Elevated Myofibrillar Protein Synthesis Rates. <i>Frontiers in Physiology</i> , 2018, 9, 1220.	2.8	24
26	Selective transport of neurotransmitters and modulators by distinct volume-regulated LRRC8 anion channels. <i>Journal of Cell Science</i> , 2017, 130, 1122-1133.	2.0	104
27	On Mass Ambiguities in High-Resolution Shotgun Lipidomics. <i>Analytical Chemistry</i> , 2017, 89, 2986-2994.	6.5	27
28	Fructose-driven glycolysis supports anoxia resistance in the naked mole-rat. <i>Science</i> , 2017, 356, 307-311.	12.6	503
29	The MYC mRNA 3'UTR couples RNA polymerase II function to glutamine and ribonucleotide levels. <i>EMBO Journal</i> , 2017, 36, 1854-1868.	7.8	60
30	The B-cell receptor controls fitness of MYC-driven lymphoma cells via GSK3 β inhibition. <i>Nature</i> , 2017, 546, 302-306.	27.8	64
31	Retinol saturase coordinates liver metabolism by regulating ChREBP activity. <i>Nature Communications</i> , 2017, 8, 384.	12.8	34
32	Salt-responsive gut commensal modulates TH17 axis and disease. <i>Nature</i> , 2017, 551, 585-589.	27.8	896
33	The answer's in the tail: MYC mRNA has a metabolic sensor that supports cancer chemoresistance. <i>Molecular and Cellular Oncology</i> , 2017, 4, e1338209.	0.7	1
34	IFNs Modify the Proteome of Legionella-Containing Vacuoles and Restrict Infection Via IRG1-Derived Itaconic Acid. <i>PLoS Pathogens</i> , 2016, 12, e1005408.	4.7	195
35	Quantitative Analysis of Cancer Metabolism: From pSIRM to MFA. <i>Recent Results in Cancer Research</i> , 2016, 207, 207-220.	1.8	4
36	Proteomics Quality Control: Quality Control Software for MaxQuant Results. <i>Journal of Proteome Research</i> , 2016, 15, 777-787.	3.7	145

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37	SORLA facilitates insulin receptor signaling in adipocytes and exacerbates obesity. <i>Journal of Clinical Investigation</i> , 2016, 126, 2706-2720.	8.2	46
38	Annexin A1 sustains tumor metabolism and cellular proliferation upon stable loss of HIF1A. <i>Oncotarget</i> , 2016, 7, 6693-6710.	1.8	12
39	Effects of RAF inhibitors on PI3K/AKT signalling depend on mutational status of the RAS/RAF signalling axis. <i>Oncotarget</i> , 2016, 7, 7960-7969.	1.8	18
40	A MYC-Driven Change in Mitochondrial Dynamics Limits YAP/TAZ Function in Mammary Epithelial Cells and Breast Cancer. <i>Cancer Cell</i> , 2015, 28, 743-757.	16.8	122
41	Glycolysis-Mediated Changes in Acetyl-CoA and Histone Acetylation Control the Early Differentiation of Embryonic Stem Cells. <i>Cell Metabolism</i> , 2015, 21, 392-402.	16.2	541
42	Extensive identification and analysis of conserved small ORFs in animals. <i>Genome Biology</i> , 2015, 16, 179.	8.8	180
43	RC3H1 post-transcriptionally regulates A20 mRNA and modulates the activity of the IKK/NF- κ B pathway. <i>Nature Communications</i> , 2015, 6, 7367.	12.8	99
44	Dietary Fatty Acids Directly Impact Central Nervous System Autoimmunity via the Small Intestine. <i>Immunity</i> , 2015, 43, 817-829.	14.3	637
45	Crosstalk between Two bZIP Signaling Pathways Orchestrates Salt-Induced Metabolic Reprogramming in Arabidopsis Roots. <i>Plant Cell</i> , 2015, 27, 2244-2260.	6.6	115
46	Decoding the dynamics of cellular metabolism and the action of 3-bromopyruvate and 2-deoxyglucose using pulsed stable isotope-resolved metabolomics. <i>Cancer & Metabolism</i> , 2014, 2, 9.	5.0	43
47	Pulsed Stable Isotope-Resolved Metabolomic Studies of Cancer Cells. <i>Methods in Enzymology</i> , 2014, 543, 179-198.	1.0	13
48	MOV10 Is a 5' to 3' RNA Helicase Contributing to UPF1 mRNA Target Degradation by Translocation along 3' UTRs. <i>Molecular Cell</i> , 2014, 54, 573-585.	9.7	159
49	Maui-VIA: A User-Friendly Software for Visual Identification, Alignment, Correction, and Quantification of Gas Chromatography-Mass Spectrometry Data. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014, 2, 84.	4.1	22
50	The growing complexity of HIF-1's role in tumorigenesis: DNA repair and beyond. <i>Oncogene</i> , 2013, 32, 3569-3576.	5.9	72
51	Synthetic lethal metabolic targeting of cellular senescence in cancer therapy. <i>Nature</i> , 2013, 501, 421-425.	27.8	437
52	The Pro-Neurotrophin Receptor Sortilin Is a Major Neuronal Apolipoprotein E Receptor for Catabolism of Amyloid- β Peptide in the Brain. <i>Journal of Neuroscience</i> , 2013, 33, 358-370.	3.6	86
53	Identification of LIN28B-bound mRNAs reveals features of target recognition and regulation. <i>RNA Biology</i> , 2013, 10, 1146-1159.	3.1	76
54	A Proteomic Investigation of Soluble Olfactory Proteins in <i>Anopheles gambiae</i> . <i>PLoS ONE</i> , 2013, 8, e75162.	2.5	37

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55	Genome-Scale Metabolic Network Inference. , 2013, , 832-833.		1
56	Stress-Induced GSK3 Regulates the Redox Stress Response by Phosphorylating Glucose-6-Phosphate Dehydrogenase in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 3380-3392.	6.6	151
57	Deregulated MYC expression induces dependence upon AMPK-related kinase 5. <i>Nature</i> , 2012, 483, 608-612.	27.8	220
58	Gene expression of pluripotency determinants is conserved between mammalian and planarian stem cells. <i>EMBO Journal</i> , 2012, 31, 2755-2769.	7.8	136
59	Proteome dynamics and early salt stress response of the photosynthetic organism <i>Chlamydomonas reinhardtii</i> . <i>BMC Genomics</i> , 2012, 13, 215.	2.8	77
60	Expression of root glutamate dehydrogenase genes in tobacco plants subjected to boron deprivation. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 1350-1354.	5.8	18
61	In Vivo and Transcriptome-wide Identification of RNA Binding Protein Target Sites. <i>Molecular Cell</i> , 2011, 44, 828-840.	9.7	146
62	De novo assembly and validation of planaria transcriptome by massive parallel sequencing and shotgun proteomics. <i>Genome Research</i> , 2011, 21, 1193-1200.	5.5	100
63	Targeted proteomics for <i>Chlamydomonas reinhardtii</i> combined with rapid subcellular protein fractionation, metabolomics and metabolic flux analyses. <i>Molecular BioSystems</i> , 2010, 6, 1018.	2.9	94
64	ChlamyCyc: an integrative systems biology database and web-portal for <i>Chlamydomonas reinhardtii</i> . <i>BMC Genomics</i> , 2009, 10, 209.	2.8	73
65	An automated GCxGC-TOF-MS protocol for batch-wise extraction and alignment of mass isotopomer matrixes from differential ¹³ C-labelling experiments: a case study for photoautotrophic-mixotrophic grown <i>Chlamydomonas reinhardtii</i> cells. <i>Journal of Basic Microbiology</i> , 2009, 49, 82-91.	3.3	62
66	Carbon Metabolism and Bacteroid Functioning Are Involved in the Regulation of Nitrogen Fixation in <i>Medicago truncatula</i> Under Drought and Recovery. <i>Molecular Plant-Microbe Interactions</i> , 2009, 22, 1565-1576.	2.6	114
67	An integrative approach towards completing genome-scale metabolic networks. <i>Molecular BioSystems</i> , 2009, 5, 1889.	2.9	67
68	Metabolomics- and Proteomics-Assisted Genome Annotation and Analysis of the Draft Metabolic Network of <i>Chlamydomonas reinhardtii</i> . <i>Genetics</i> , 2008, 179, 157-166.	2.9	141
69	A Central Role of Abscisic Acid in Stress-Regulated Carbohydrate Metabolism. <i>PLoS ONE</i> , 2008, 3, e3935.	2.5	165
70	A plastid-localized glycogen synthase kinase ϵ 3 modulates stress tolerance and carbohydrate metabolism. <i>Plant Journal</i> , 2007, 49, 1076-1090.	5.7	70
71	Effect of sulfur availability on the integrity of amino acid biosynthesis in plants. <i>Amino Acids</i> , 2006, 30, 173-183.	2.7	110
72	Towards dissecting nutrient metabolism in plants: a systems biology case study on sulphur metabolism. <i>Journal of Experimental Botany</i> , 2004, 55, 1861-1870.	4.8	114

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73	Transcriptome analysis of sulfur depletion in Arabidopsis thaliana : interlacing of biosynthetic pathways provides response specificity. Plant Journal, 2003, 33, 633-650.	5.7	383
74	Muscle-type Creatine Kinase Interacts with Central Domains of the M-band Proteins Myomesin and M-protein. Journal of Molecular Biology, 2003, 332, 877-887.	4.2	88
75	Engineering of cysteine and methionine biosynthesis in potato. Amino Acids, 2002, 22, 259-278.	2.7	62
76	Indications for a Novel Muscular Dystrophy Pathway. Journal of Cell Biology, 2000, 151, 235-248.	5.2	172
77	Propionic Acid Shapes the Course of Multiple Sclerosis by a Distinct Immunomodulatory and Neuroprotective Mechanism. SSRN Electronic Journal, 0, , .	0.4	1