Bas Teusink

List of Publications by Year in Descending Order

163 papers	8,042 citations	48 h-index	85 g-index
182 ext. papers	9,967 ext. citations	7 avg, IF	5.91 L-index

#	Paper	IF	Citations
163	Whole-cell modeling in yeast predicts compartment-specific proteome constraints that drive metabolic strategies.. *Nature Communications*, **2022**, 13, 801	17.4	7
162	Use and limitations of genome-scale metabolic models in food microbiology. *Current Opinion in Food Science*, **2022**, 43, 225-231	9.8	0
161	Metabolic Modeling of Wine Fermentation at Genome Scale. *Methods in Molecular Biology*, **2022**, 395-454	1.4	
160	Serial propagation in water-in-oil emulsions selects for Saccharomyces cerevisiae strains with a reduced cell size or an increased biomass yield on glucose. *Metabolic Engineering*, **2021**, 64, 1-14	9.7	4
159	Understanding FBA Solutions under Multiple Nutrient Limitations. *Metabolites*, **2021**, 11,	5.6	2
158	Proteome constraints reveal targets for improving microbial fitness in nutrient-rich environments. *Molecular Systems Biology*, **2021**, 17, e10093	12.2	6
157	Population dynamics of microbial cross-feeding are determined by co-localization probabilities and cooperation-independent cheater growth. *ISME Journal*, **2021**, 15, 3050-3061	11.9	4
156	A yeast FRET biosensor enlightens cAMP signaling. *Molecular Biology of the Cell*, **2021**, 32, 1229-1240	3.5	2
155	Microbial competition reduces metabolic interaction distances to the low µm-range. *ISME Journal*, **2021**, 15, 688-701	11.9	16
154	Protein cost allocation explains metabolic strategies in Escherichia coli. *Journal of Biotechnology*, **2021**, 327, 54-63	3.7	5
153	Dynamic co-culture metabolic models reveal the fermentation dynamics, metabolic capacities and interplays of cheese starter cultures. *Biotechnology and Bioengineering*, **2021**, 118, 223-237	4.9	6
152	Unlocking Elementary Conversion Modes: ecmtool Unveils All Capabilities of Metabolic Networks. *Patterns*, **2021**, 2, 100177	5.1	5
151	A Multiphase Multiobjective Dynamic Genome-Scale Model Shows Different Redox Balancing among Yeast Species of the Genus in Fermentation. *MSystems*, **2021**, 6, e0026021	7.6	5
150	A centrifugation-based clearing method allows high-throughput acidification and growth-rate measurements in milk. *Journal of Dairy Science*, **2021**, 104, 8530-8540	4	1
149	Metabolic cooperation and spatiotemporal niche partitioning in a kefir microbial community. *Nature Microbiology*, **2021**, 6, 196-208	26.6	44
148	Metabolic Modeling of Fungi **2021**, 394-405		
147	Quantitative analysis of amino acid metabolism in liver cancer links glutamate excretion to nucleotide synthesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 10294-10304	11.5	19

146	Enhancement of amino acid production and secretion by using a droplet-based biosensing and selection system. *Metabolic Engineering Communications*, **2020**, 11, e00133	6.5	8
145	MEMOTE for standardized genome-scale metabolic model testing. *Nature Biotechnology*, **2020**, 38, 272-276	44.5	121
144	An Improved ATP FRET Sensor For Yeast Shows Heterogeneity During Nutrient Transitions. *ACS Sensors*, **2020**, 5, 814-822	9.2	10
143	Elementary Growth Modes provide a molecular description of cellular self-fabrication. *PLoS Computational Biology*, **2020**, 16, e1007559	5	13
142	SBML Level 3: an extensible format for the exchange and reuse of biological models. *Molecular Systems Biology*, **2020**, 16, e9110	12.2	65
141	A proteome-integrated, carbon source dependent genetic regulatory network in Saccharomyces cerevisiae. *Molecular Omics*, **2020**, 16, 59-72	4.4	4
140	The common message of constraint-based optimization approaches: overflow metabolism is caused by two growth-limiting constraints. *Cellular and Molecular Life Sciences*, **2020**, 77, 441-453	10.3	24
139	Microdroplet screening and selection for improved microbial production of extracellular compounds. *Current Opinion in Biotechnology*, **2020**, 61, 72-81	11.4	16
138	Lifestyle, metabolism and environmental adaptation in Lactococcus lactis. *FEMS Microbiology Reviews*, **2020**, 44, 804-820	15.1	4
137	Searching for principles of microbial physiology. *FEMS Microbiology Reviews*, **2020**, 44, 821-844	15.1	14
136	A genome-scale metabolic network of the aroma bacterium Leuconostoc mesenteroides subsp. cremoris. *Applied Microbiology and Biotechnology*, **2019**, 103, 3153-3165	5.7	12
135	Ecophysiology of Acetoclastic Methanogens **2019**, 1-14		1
134	The number of active metabolic pathways is bounded by the number of cellular constraints at maximal metabolic rates. *PLoS Computational Biology*, **2019**, 15, e1006858	5	43
133	A systematic assessment of current genome-scale metabolic reconstruction tools. *Genome Biology*, **2019**, 20, 158	18.3	73
132	Finding Functional Differences Between Species in a Microbial Community: Case Studies in Wine Fermentation and Kefir Culture. *Frontiers in Microbiology*, **2019**, 10, 1347	5.7	52
131	Ecophysiology of Acetoclastic Methanogens **2019**, 109-121		1
130	In vivo characterisation of fluorescent proteins in budding yeast. *Scientific Reports*, **2019**, 9, 2234	4.9	32
129	Genome-Scale Metabolic Reconstruction of 386B, a Candidate Functional Starter Culture for Cocoa Bean Fermentation. *Frontiers in Microbiology*, **2019**, 10, 2801	5.7	12

128	Adaption to glucose limitation is modulated by the pleotropic regulator CcpA, independent of selection pressure strength. *BMC Evolutionary Biology*, **2019**, 19, 15	3	10
127	An Integrated Model Quantitatively Describing Metabolism, Growth and Cell Cycle in Budding Yeast. *Communications in Computer and Information Science*, **2018**, 165-180	0.3	0
126	Low affinity uniporter carrier proteins can increase net substrate uptake rate by reducing efflux. *Scientific Reports*, **2018**, 8, 5576	4.9	14
125	Metabolite Depletion Affects Flux Profiling of Cell Lines. *Trends in Biochemical Sciences*, **2018**, 43, 395-397	16.3	4
124	Understanding start-up problems in yeast glycolysis. *Mathematical Biosciences*, **2018**, 299, 117-126	3.9	1
123	Living with noise: On the propagation of noise from molecules to phenotype and fitness. *Current Opinion in Systems Biology*, **2018**, 8, 144-150	3.2	12
122	Dynamic elementary mode modelling of non-steady state flux data. *BMC Systems Biology*, **2018**, 12, 71	3.5	7
121	Further Elucidation of Galactose Utilization in MG1363. *Frontiers in Microbiology*, **2018**, 9, 1803	5.7	3
120	Maintaining maximal metabolic flux by gene expression control. *PLoS Computational Biology*, **2018**, 14, e1006412	5	10
119	Training for translation between disciplines: a philosophy for life and data sciences curricula. *Bioinformatics*, **2018**, 34, i4-i12	7.2	2
118	Experimental evolution and the adjustment of metabolic strategies in lactic acid bacteria. *FEMS Microbiology Reviews*, **2017**, 41, S201-S219	15.1	43
117	Probing the Genome-Scale Metabolic Landscape of Bordetella pertussis, the Causative Agent of Whooping Cough. *Applied and Environmental Microbiology*, **2017**, 83,	4.8	14
116	Systems biology of lactic acid bacteria: For food and thought. *Current Opinion in Systems Biology*, **2017**, 6, 7-13	3.2	37
115	Model-based quantification of metabolic interactions from dynamic microbial-community data. *PLoS ONE*, **2017**, 12, e0173183	3.7	32
114	Evolutionary pressures on microbial metabolic strategies in the chemostat. *Scientific Reports*, **2016**, 6, 29503	4.9	25
113	Genome-scale reconstruction of the Streptococcus pyogenes M49 metabolic network reveals growth requirements and indicates potential drug targets. *Journal of Biotechnology*, **2016**, 232, 25-37	3.7	13
112	Strategies for structuring interdisciplinary education in Systems Biology: an European perspective. *Npj Systems Biology and Applications*, **2016**, 2, 16011	5	14
111	Constraint-based stoichiometric modelling from single organisms to microbial communities. *Journal of the Royal Society Interface*, **2016**, 13,	4.1	55

110	Public goods and metabolic strategies. *Current Opinion in Microbiology*, **2016**, 31, 109-115	7.9	30
109	How fast-growing bacteria robustly tune their ribosome concentration to approximate growth-rate maximization. *FEBS Journal*, **2015**, 282, 2029-44	5.7	114
108	Interplay between constraints, objectives, and optimality for genome-scale stoichiometric models. *PLoS Computational Biology*, **2015**, 11, e1004166	5	18
107	Systems modeling approaches for microbial community studies: from metagenomics to inference of the community structure. *Frontiers in Microbiology*, **2015**, 6, 213	5.7	44
106	Protein costs do not explain evolution of metabolic strategies and regulation of ribosomal content: does protein investment explain an anaerobic bacterial Crabtree effect?. *Molecular Microbiology*, **2015**, 97, 77-92	4.1	43
105	Using a genome-scale metabolic model of Enterococcus faecalis V583 to assess amino acid uptake and its impact on central metabolism. *Applied and Environmental Microbiology*, **2015**, 81, 1622-33	4.8	20
104	Multi-tasking of biosynthetic and energetic functions of glycolysis explained by supply and demand logic. *BioEssays*, **2015**, 37, 34-45	4.1	17
103	Evolutionary engineering to enhance starter culture performance in food fermentations. *Current Opinion in Biotechnology*, **2015**, 32, 1-7	11.4	51
102	Binding proteins enhance specific uptake rate by increasing the substrate-transporter encounter rate. *FEBS Journal*, **2015**, 282, 2394-407	5.7	11
101	Metabolism at evolutionary optimal States. *Metabolites*, **2015**, 5, 311-43	5.6	9
100	A novel consortium of Lactobacillus rhamnosus and Streptococcus thermophilus for increased access to functional fermented foods. *Microbial Cell Factories*, **2015**, 14, 195	6.4	48
99	MetDFBA: incorporating time-resolved metabolomics measurements into dynamic flux balance analysis. *Molecular BioSystems*, **2015**, 11, 137-45		25
98	Lost in transition: start-up of glycolysis yields subpopulations of nongrowing cells. *Science*, **2014**, 343, 1245114	33.3	193
97	Bet-hedging during bacterial diauxic shift. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 7427-32	11.5	158
96	Understanding bistability in yeast glycolysis using general properties of metabolic pathways. *Mathematical Biosciences*, **2014**, 255, 33-42	3.9	5
95	A data integration and visualization resource for the metabolic network of Synechocystis sp. PCC 6803. *Plant Physiology*, **2014**, 164, 1111-21	6.6	23
94	Monte-Carlo modeling of the central carbon metabolism of Lactococcus lactis: insights into metabolic regulation. *PLoS ONE*, **2014**, 9, e106453	3.7	18
93	PAPD5-mediated 3Qadenylation and subsequent degradation of miR-21 is disrupted in proliferative disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 11467-72	11.5	106

92	Metabolic states with maximal specific rate carry flux through an elementary flux mode. *FEBS Journal*, **2014**, 281, 1547-55	5.7	46
91	Fatal attraction in glycolysis: how manages sudden transitions to high glucose. *Microbial Cell*, **2014**, 1, 103-106	3.9	4
90	Basic concepts and principles of stoichiometric modeling of metabolic networks. *Biotechnology Journal*, **2013**, 8, 997-1008	5.6	36
89	Towards metagenome-scale models for industrial applications--the case of Lactic Acid Bacteria. *Current Opinion in Biotechnology*, **2013**, 24, 200-6	11.4	38
88	How biochemical constraints of cellular growth shape evolutionary adaptations in metabolism. *Genetics*, **2013**, 194, 505-12	4	28
87	Availability of public goods shapes the evolution of competing metabolic strategies. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 14302-7	11.5	120
86	Bioinformatics and systems biology: bridging the gap between heterogeneous student backgrounds. *Briefings in Bioinformatics*, **2013**, 14, 589-98	13.4	11
85	Gene network requirements for regulation of metabolic gene expression to a desired state. *Scientific Reports*, **2013**, 3, 1417	4.9	11
84	Community flux balance analysis for microbial consortia at balanced growth. *PLoS ONE*, **2013**, 8, e64567	3.7	125
83	Role of phosphate in the central metabolism of two lactic acid bacteria--a comparative systems biology approach. *FEBS Journal*, **2012**, 279, 1274-90	5.7	45
82	Metabolic shifts: a fitness perspective for microbial cell factories. *Biotechnology Letters*, **2012**, 34, 2147-60	9	51
81	Inferring differences in the distribution of reaction rates across conditions. *Molecular BioSystems*, **2012**, 8, 2415-23		
80	FAME, the Flux Analysis and Modeling Environment. *BMC Systems Biology*, **2012**, 6, 8	3.5	62
79	Understanding regulation of metabolism through feasibility analysis. *PLoS ONE*, **2012**, 7, e39396	3.7	8
78	Optimality principles in the regulation of metabolic networks. *Metabolites*, **2012**, 2, 529-52	5.6	10
77	Standardized assay medium to measure Lactococcus lactis enzyme activities while mimicking intracellular conditions. *Applied and Environmental Microbiology*, **2012**, 78, 134-43	4.8	40
76	A specific mutation in the promoter region of the silent cel cluster accounts for the appearance of lactose-utilizing Lactococcus lactis MG1363. *Applied and Environmental Microbiology*, **2012**, 78, 5612-21	4.8	30
75	Exploring metabolic pathway reconstruction and genome-wide expression profiling in Lactobacillus reuteri to define functional probiotic features. *PLoS ONE*, **2011**, 6, e18783	3.7	120

74	A practical guide to genome-scale metabolic models and their analysis. *Methods in Enzymology*, **2011**, 500, 509-32	1.7	39
73	Predicting metabolic fluxes using gene expression differences as constraints. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2011**, 8, 206-16	3	45
72	Functional identification in Lactobacillus reuteri of a PocR-like transcription factor regulating glycerol utilization and vitamin B12 synthesis. *Microbial Cell Factories*, **2011**, 10, 55	6.4	33
71	Systems biology of lactic acid bacteria: a critical review. *Microbial Cell Factories*, **2011**, 10 Suppl 1, S11	6.4	45
70	Development of a minimal growth medium for Lactobacillus plantarum. *Letters in Applied Microbiology*, **2010**, 50, 57-64	2.9	65
69	Understanding the physiology of Lactobacillus plantarum at zero growth. *Molecular Systems Biology*, **2010**, 6, 413	12.2	51
68	Systems biology from micro-organisms to human metabolic diseases: the role of detailed kinetic models. *Biochemical Society Transactions*, **2010**, 38, 1294-301	5.1	17
67	Comparative systems biology: from bacteria to man. *Wiley Interdisciplinary Reviews: Systems Biology and Medicine*, **2010**, 2, 518-532	6.6	14
66	Understanding the adaptive growth strategy of Lactobacillus plantarum by in silico optimisation. *PLoS Computational Biology*, **2009**, 5, e1000410	5	101
65	Genome-scale model of Streptococcus thermophilus LMG18311 for metabolic comparison of lactic acid bacteria. *Applied and Environmental Microbiology*, **2009**, 75, 3627-33	4.8	93
64	Shifts in growth strategies reflect tradeoffs in cellular economics. *Molecular Systems Biology*, **2009**, 5, 323	12.2	373
63	Effect of amino acid availability on vitamin B12 production in Lactobacillus reuteri. *Applied and Environmental Microbiology*, **2009**, 75, 3930-6	4.8	24
62	Multi-way analysis of flux distributions across multiple conditions. *Journal of Chemometrics*, **2009**, 23, 406-420	1.6	14
61	The evidence that pseudovitamin B(12) is biologically active in mammals is still lacking - a comment on Molina et al.@ (2009) experimental design. *Journal of Applied Microbiology*, **2009**, 107, 1763; author reply 1764	4.7	3
60	A critical view of metabolic network adaptations. *HFSP Journal*, **2009**, 3, 24-35		53
59	Genomics and high-throughput screening approaches for optimal flavour production in dairy fermentation. *International Dairy Journal*, **2008**, 18, 781-789	3.5	18
58	Co-regulation of metabolic genes is better explained by flux coupling than by network distance. *PLoS Computational Biology*, **2008**, 4, e26	5	70
57	Leptin deficiency per se dictates body composition and insulin action in ob/ob mice. *Journal of Neuroendocrinology*, **2008**, 20, 120-7	3.8	28

56	Thioredoxin reductase is a key factor in the oxidative stress response of Lactobacillus plantarum WCFS1. *Microbial Cell Factories*, **2007**, 6, 29	6.4	83
55	Accelerating the reconstruction of genome-scale metabolic networks. *BMC Bioinformatics*, **2006**, 7, 296	3.6	116
54	Analysis of growth of Lactobacillus plantarum WCFS1 on a complex medium using a genome-scale metabolic model. *Journal of Biological Chemistry*, **2006**, 281, 40041-8	5.4	212
53	Modelling strategies for the industrial exploitation of lactic acid bacteria. *Nature Reviews Microbiology*, **2006**, 4, 46-56	22.2	113
52	Correlation between sequence conservation and the genomic context after gene duplication. *Nucleic Acids Research*, **2005**, 33, 6164-71	20.1	37
51	Reconstructing the metabolic network of a bacterium from its genome. *Trends in Microbiology*, **2005**, 13, 550-8	12.4	165
50	In silico reconstruction of the metabolic pathways of Lactobacillus plantarum: comparing predictions of nutrient requirements with those from growth experiments. *Applied and Environmental Microbiology*, **2005**, 71, 7253-62	4.8	146
49	Functional ingredient production: application of global metabolic models. *Current Opinion in Biotechnology*, **2005**, 16, 190-7	11.4	32
48	Metabolic models for rational improvement of lactic acid bacteria as cell factories. *Journal of Applied Microbiology*, **2005**, 98, 1326-31	4.7	29
47	Acute inhibition of hepatic beta-oxidation in APOE*3Leiden mice does not affect hepatic VLDL secretion or insulin sensitivity. *Journal of Lipid Research*, **2005**, 46, 988-93	6.3	12
46	Response of apolipoprotein E*3-Leiden transgenic mice to dietary fatty acids: combining liver proteomics with physiological data. *FASEB Journal*, **2005**, 19, 813-5	0.9	52
45	Apolipoprotein C3 deficiency results in diet-induced obesity and aggravated insulin resistance in mice. *Diabetes*, **2005**, 54, 664-71	0.9	87
44	The VLDL receptor plays a major role in chylomicron metabolism by enhancing LPL-mediated triglyceride hydrolysis. *Journal of Lipid Research*, **2004**, 45, 1475-81	6.3	66
43	Genome data mining of lactic acid bacteria: the impact of bioinformatics. *Current Opinion in Biotechnology*, **2004**, 15, 105-15	11.4	53
42	The transport of triglycerides through the secretory pathway of hepatocytes is impaired in apolipoprotein E deficient mice. *Journal of Hepatology*, **2004**, 40, 599-606	13.4	39
41	CD36 deficiency increases insulin sensitivity in muscle, but induces insulin resistance in the liver in mice. *Journal of Lipid Research*, **2003**, 44, 2270-7	6.3	128
40	Increased hepatic insulin sensitivity together with decreased hepatic triglyceride stores in hormone-sensitive lipase-deficient mice. *Endocrinology*, **2003**, 144, 3456-62	4.8	95
39	Hyperlipidemia in APOE2 transgenic mice is ameliorated by a truncated apoE variant lacking the C-terminal domain. *Journal of Lipid Research*, **2003**, 44, 408-14	6.3	8

#	Reference		
38	Contribution of fatty acids released from lipolysis of plasma triglycerides to total plasma fatty acid flux and tissue-specific fatty acid uptake. *Diabetes*, **2003**, 52, 614-20	0.9	118
37	Intestinal lipid absorption is not affected in CD36 deficient mice. *Molecular and Cellular Biochemistry*, **2002**, 239, 199-202	4.2	51
36	Analysis of the structure and function relationship of the human apolipoprotein E in vivo, using adenovirus-mediated gene transfer. *FASEB Journal*, **2001**, 15, 1598-600	0.9	28
35	Mice expressing only the mutant APOE3Leiden gene show impaired VLDL secretion. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2001**, 21, 1366-72	9.4	15
34	Stimulation of the in vivo production of very low density lipoproteins by apolipoprotein E is independent of the presence of the low density lipoprotein receptor. *Journal of Biological Chemistry*, **2001**, 276, 40693-7	5.4	18
33	A functional genomics strategy that uses metabolome data to reveal the phenotype of silent mutations. *Nature Biotechnology*, **2001**, 19, 45-50	44.5	839
32	Control of glycolytic dynamics by hexose transport in Saccharomyces cerevisiae. *Biophysical Journal* , **2001**, 80, 626-34	2.9	70
31	ʹSlaveʹ metabolites and enzymes. A rapid way of delineating metabolic control. *FEBS Journal*, **2000**, 267, 1889-93		18
30	Can yeast glycolysis be understood in terms of in vitro kinetics of the constituent enzymes? Testing biochemistry. *FEBS Journal*, **2000**, 267, 5313-29		498
29	Compartmentation protects trypanosomes from the dangerous design of glycolysis. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 2087-92	11.5	155
28	Metabolic Control From The Back Benches: Biochemistry Towards Biocomplexity **2000**, 235-242		1
27	LDL receptor deficiency unmasks altered VLDL triglyceride metabolism in VLDL receptor transgenic and knockout mice. *Journal of Lipid Research*, **2000**, 41, 2055-2062	6.3	52
26	LDL receptor deficiency unmasks altered VLDL triglyceride metabolism in VLDL receptor transgenic and knockout mice. *Journal of Lipid Research*, **2000**, 41, 2055-62	6.3	45
25	Strategies to determine the extent of control exerted by glucose transport on glycolytic flux in the yeast Saccharomyces bayanus. *Microbiology (United Kingdom)*, **1999**, 145 (Pt 12), 3447-3454	2.9	31
24	The danger of metabolic pathways with turbo design. *Trends in Biochemical Sciences*, **1998**, 23, 162-9	10.3	198
23	17 Metabolic Control Analysis as a Tool in the Elucidation of the Function of Novel Genes. *Methods in Microbiology*, **1998**, 297-336	2.8	25
22	Intracellular glucose concentration in derepressed yeast cells consuming glucose is high enough to reduce the glucose transport rate by 50%. *Journal of Bacteriology*, **1998**, 180, 556-62	3.5	100
21	Synchronized heat flux oscillations in yeast cell populations. *Journal of Biological Chemistry*, **1996**, 271, 24442-8	5.4	25

20	Control of frequency and amplitudes is shared by all enzymes in three models for yeast glycolytic oscillations. *Biochimica Et Biophysica Acta - Bioenergetics*, **1996**, 1275, 204-12	4.6	35
19	Acetaldehyde mediates the synchronization of sustained glycolytic oscillations in populations of yeast cells. *FEBS Journal*, **1996**, 235, 238-41		154
18	Sustained oscillations in free-energy state and hexose phosphates in yeast **1996**, 12, 731-740		77
17	Control analysis of glycolytic oscillations. *Biophysical Chemistry*, **1996**, 62, 15-24	3.5	48
16	Sustained oscillations in free-energy state and hexose phosphates in yeast. *Yeast*, **1996**, 12, 731-40	3.4	28
15	Energy, control and DNA structure in the living cell. *Biophysical Chemistry*, **1995**, 55, 153-65	3.5	12
14	Yeast cells with a specific cellular make-up and an environment that removes acetaldehyde are prone to sustained glycolytic oscillations. *FEBS Letters*, **1994**, 341, 223-6	3.8	49
13	Control and regulation of metabolic fluxes in microbes by substrates and enzymes. *Antonie Van Leeuwenhoek*, **1993**, 63, 315-21	2.1	15
12	Around the growth phase transition S. cerevisiae◌ make-up favours sustained oscillations of intracellular metabolites. *FEBS Letters*, **1993**, 318, 80-2	3.8	71
11	Synchronization of Glycolytic Oscillations in Intact Yeast Cells **1993**, 413-416		3
10	Maintaining maximal metabolic flux by gene expression control		1
9	Glucose limitation inLactococcusshapes a single-peaked fitness landscape exposing membrane occupancy as a constraint		1
8	The number of active metabolic pathways is bounded by the number of cellular constraints at maximal metabolic rates		3
7	Memote: A community driven effort towards a standardized genome-scale metabolic model test suite		26
6	Emergence of stable coexistence in a complex microbial community through metabolic cooperation and spatio-temporal niche partitioning		8
5	A Systematic Assessment Of Current Genome-Scale Metabolic Reconstruction Tools		7
4	Elementary Growth Modes provide a molecular description of cellular self-fabrication		2
3	A yeast FRET biosensor enlightens cAMP signalling		2