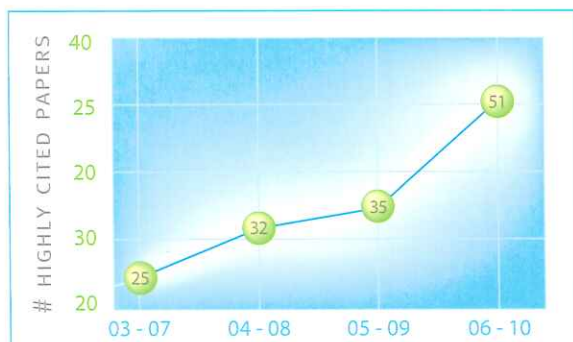


# Highly cited papers 2006-2010

Every year, we provide an overview of VIB papers designated as 'highly cited,' i.e. papers that have been cited in other publications over 100 times within a five-year window (2006-2010). This year we noticed another considerable increase in the number of papers that achieved 'highly cited' status (51). More than half of them (31) were newcomers to the list! What better proof is there of the increasing international impact of VIB research?



## New monitoring system 2011-2015: Tier 1%, Tier 5%, Tier 25%

VIB uses a balanced score card (BSC) to monitor its performance, based on a set of key performance indicators in science, technology transfer and education. To measure scientific performance, the number of publications in journals with an impact factor (IF) above 5 (the high-rank journals), above 10 (the top journals) and above 20 (the supertop journals) were counted.

The new monitoring system will take into account the field of research and was developed by listing the journals per research field in which VIB is active. Within each of these fields, journals with the highest IF in which 25% of the papers are published have been designated as high-rank journals and relabeled **Tier 25%** journals. Similarly, journals with the highest IF in which 5% of the papers are published will be referred to as **Tier 5%**, while supertop journals in which 1% of the papers have been published will be referred to as **Tier 1%**. These mathematically obtained Tier labels were reviewed and fine-tuned by experts in each of the VIB research fields and the final list of journals was approved by the Board of Directors. This list is now available on the VIB intranet (folder Policy Documents).

The list will be updated every year, based on the new impact factors and journal citation rankings published by Thomson ISI. The current journal list (based on IF 2009) will serve as the starting point and be extended in the coming years with journals of growing importance, as they reach Tier 1%, 5% and 25% status respectively.

Diseases: AD, PD, cancer, Crohn's	# citations
Lambert J - Nat Genet, 2009	217
Harold D - Nat Genet, 2009	222
Hébert S - PNAS, 2008	134
Maraganore D - JAMA, 2006	159
Bentahir M - J Neurochem, 2006	141
Mefford H - NEJM, 2008	174
Aragones J - Nat Genet, 2008	113
Menasché P - Circulation, 2008	162
Movahedi K - Blood, 2008	135
Fischer C - Cell, 2007	209
Marine JC - Cell Death and Differ, 2006	119
Prene H - Clin Cancer Res, 2006	109
Festjens N - BBA, 2006	157
Krysko D - Apoptosis, 2006	103
Braat H - Clin Gastroenterol Hepatol, 2006	133
Genome sequencing and new bioinformatics tools	# citations
Wei Qin - Nature, 2010	174
Martin F - Nature, 2008	186
Bowler C - Nature, 2008	149
Palenik B - PNAS, 2007	138
Saeyes Y - Bioinformatics, 2007	157
Cline N - Nat Protocols, 2007	198
Aerts S - Nat Biotech, 2006	179
Inzé D - Ann Rev Genet, 2006	145
Vlieghe D - Nucleic Acids Res, 2006	102
Santos F - PLoS Comp Biol, 2006	104
High-throughput proteomics and interactomics	# citations
Yu H - Science, 2008	247
Baena-Gonzalez E - Nature, 2007	146
Jones P - NAR, 2006	105
Gadjev I - Plant Phys, 2006	129
Gechev T - BioEssays, 2006	112

We would also like to draw special attention to the paper of Qin et al. in Nature 2010, which presents a human gut microbial gene catalogue established by metagenomic sequencing. In less than a year, this article was cited 174 times and listed under 'what's hot in biology' in several scientometrics journals.