Sridhar Ranganathan

List of Publications by Year
in descending order

10 papers	1,086 citations	1162367 8 h-index	1588620 8 g-index
10 all docs	10 docs citations	10 times ranked	1169 citing authors

#	Article	IF	Citations
1	OptForce: An Optimization Procedure for Identifying All Genetic Manipulations Leading to Targeted Overproductions. PLoS Computational Biology, 2010, 6, e1000744.	1.5	346
2	Genome-scale metabolic network modeling results in minimal interventions that cooperatively force carbon flux towards malonyl-CoA. Metabolic Engineering, 2011, 13, 578-587.	3.6	300
3	Mathematical optimization applications in metabolic networks. Metabolic Engineering, 2012, 14, 672-686.	3.6	123
4	An integrated computational and experimental study for overproducing fatty acids in Escherichia coli. Metabolic Engineering, 2012, 14, 687-704.	3.6	102
5	Fiberâ€"fiber interactions in homogeneous flows of nondilute suspensions. Journal of Rheology, 1991, 35, 1499-1522.	1.3	87
6	A simultaneous solution for flow and fiber orientation in axisymmetric diverging radial flow. Journal of Non-Newtonian Fluid Mechanics, 1993, 47, 107-136.	1.0	53
7	Microbial 1â€‘butanol production: Identification of nonâ€‘native production routes and <i>in silico</i> engineering interventions. Biotechnology Journal, 2010, 5, 716-725.	1.8	41
8	Characterization of orientation clustering in short-fiber composites. Journal of Polymer Science, Part B: Polymer Physics, 1990, 28, 2651-2672.	2.4	33
9	An integrated computational and experimental study to increase the intra-cellular malonyl-CoA: Application to flavanone synthesis. , 2011, , .		1
10	Using Systems Engineering to Reconstruct, Analyze and Redesign Metabolism. Computer Aided Chemical Engineering, 2009, , 113-115.	0.3	0