

# Sridhar Ranganathan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7437212/publications.pdf>

Version: 2024-02-01

10  
papers

1,086  
citations

1163117

8  
h-index

1588992

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.	3.2	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.	7.0	300
3	Mathematical optimization applications in metabolic networks. Metabolic Engineering, 2012, 14, 672-686.	7.0	123
4	An integrated computational and experimental study for overproducing fatty acids in Escherichia coli. Metabolic Engineering, 2012, 14, 687-704.	7.0	102
5	Fiber-fiber interactions in homogeneous flows of nondilute suspensions. Journal of Rheology, 1991, 35, 1499-1522.	2.6	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.	2.4	53
7	Microbial 1-butanol production: Identification of non-native production routes and <i>in silico</i> engineering interventions. Biotechnology Journal, 2010, 5, 716-725.	3.5	41
8	Characterization of orientation clustering in short-fiber composites. Journal of Polymer Science, Part B: Polymer Physics, 1990, 28, 2651-2672.	2.1	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.	0.5	0