

# Alan G Fast

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3185049/publications.pdf>

Version: 2024-02-01

9  
papers

1,138  
citations

1040056

9  
h-index

1474206

9  
g-index

9  
all docs

9  
docs citations

9  
times ranked

1288  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clostridia: the importance of their exceptional substrate and metabolite diversity for biofuel and biorefinery applications. <i>Current Opinion in Biotechnology</i> , 2012, 23, 364-381.	6.6	364
2	Stoichiometric and energetic analyses of non-photosynthetic CO <sub>2</sub> -fixation pathways to support synthetic biology strategies for production of fuels and chemicals. <i>Current Opinion in Chemical Engineering</i> , 2012, 1, 380-395.	7.8	204
3	Synthetic methylotrophy: engineering the production of biofuels and chemicals based on the biology of aerobic methanol utilization. <i>Current Opinion in Biotechnology</i> , 2015, 33, 165-175.	6.6	150
4	CO <sub>2</sub> fixation by anaerobic non-photosynthetic mixotrophy for improved carbon conversion. <i>Nature Communications</i> , 2016, 7, 12800.	12.8	128
5	Novel System for Efficient Isolation of Clostridium Double-Crossover Allelic Exchange Mutants Enabling Markerless Chromosomal Gene Deletions and DNA Integration. <i>Applied and Environmental Microbiology</i> , 2012, 78, 8112-8121.	3.1	113
6	Acetogenic mixotrophy: novel options for yield improvement in biofuels and biochemicals production. <i>Current Opinion in Biotechnology</i> , 2015, 33, 60-72.	6.6	87
7	Engineering Clostridium organisms as microbial cell-factories: challenges & opportunities. <i>Metabolic Engineering</i> , 2018, 50, 173-191.	7.0	56
8	Functional Expression of the Clostridium ljungdahlii Acetyl-Coenzyme A Synthase in Clostridium acetobutylicum as Demonstrated by a Novel <i>In Vivo</i> CO Exchange Activity En Route to Heterologous Installation of a Functional Wood-Ljungdahl Pathway. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	24
9	Small and Low but Potent: the Complex Regulatory Role of the Small RNA SolB in Solventogenesis in Clostridium acetobutylicum. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	12