

# Nanette R Boyle

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,609  
citations

759233

12  
h-index

752698

20  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2228  
citing authors

#	ARTICLE	IF	CITATIONS
1	Isotopically nonstationary <sup>13</sup> C metabolic flux analysis in resting and activated human platelets. <i>Metabolic Engineering</i> , 2022, 69, 313-322.	7.0	10
2	Rhythm of the Night (and Day): Predictive Metabolic Modeling of Diurnal Growth in <i>Chlamydomonas</i> . <i>MSystems</i> , 2022, 7, .	3.8	2
3	Evaluation of quenching methods for metabolite recovery in photoautotrophic <i>Synechococcus</i> sp. <i>Biotechnology Progress</i> , 2020, 36, e3015.	2.6	6
4	Rapid Annotation of Photosynthetic Systems (RAPS): automated algorithm to generate genome-scale metabolic networks from algal genomes. <i>Algal Research</i> , 2020, 50, 101967.	4.6	6
5	Multiscale Multiobjective Systems Analysis (MiMoSA): an advanced metabolic modeling framework for complex systems. <i>Scientific Reports</i> , 2019, 9, 16948.	3.3	11
6	The challenge and potential of photosynthesis: unique considerations for metabolic flux measurements in photosynthetic microorganisms. <i>Biotechnology Letters</i> , 2019, 41, 35-45.	2.2	12
7	The use of genome-scale metabolic network reconstruction to predict fluxes and equilibrium composition of N-fixing versus C-fixing cells in a diazotrophic cyanobacterium, <i>Trichodesmium erythraeum</i> . <i>BMC Systems Biology</i> , 2017, 11, 4.	3.0	18
8	Metabolic flux analysis of heterotrophic growth in <i>Chlamydomonas reinhardtii</i> . <i>PLoS ONE</i> , 2017, 12, e0177292.	2.5	40
9	Effectiveness of cationically modified cellulose polymers for dewatering algae. <i>Separation Science and Technology</i> , 2016, 51, 892-898.	2.5	8
10	Omics in <i>Chlamydomonas</i> for Biofuel Production. <i>Sub-Cellular Biochemistry</i> , 2016, 86, 447-469.	2.4	12
11	Genome Engineering in Cyanobacteria: Where We Are and Where We Need To Go. <i>ACS Synthetic Biology</i> , 2015, 4, 1186-1196.	3.8	53
12	Multiplexed tracking of combinatorial genomic mutations in engineered cell populations. <i>Nature Biotechnology</i> , 2015, 33, 631-637.	17.5	49
13	Special Issue on Genome Engineering. <i>ACS Synthetic Biology</i> , 2015, 4, 1165-1166.	3.8	0
14	Nitrogen-Sparing Mechanisms in <i>Chlamydomonas</i> Affect the Transcriptome, the Proteome, and Photosynthetic Metabolism. <i>Plant Cell</i> , 2014, 26, 1410-1435.	6.6	314
15	Systems-Level Analysis of Nitrogen Starvation-Induced Modifications of Carbon Metabolism in a <i>Chlamydomonas reinhardtii</i> Starchless Mutant. <i>Plant Cell</i> , 2013, 25, 4305-4323.	6.6	176
16	Recombineering to homogeneity: extension of multiplex recombineering to large-scale genome editing. <i>Biotechnology Journal</i> , 2013, 8, 515-522.	3.5	24
17	Engineering improved ethanol production in <i>Escherichia coli</i> with a genome-wide approach. <i>Metabolic Engineering</i> , 2013, 17, 1-11.	7.0	46
18	Genome-Wide Identification of Genes Conferring Energy Related Resistance to a Synthetic Antimicrobial Peptide (Bac8c). <i>PLoS ONE</i> , 2013, 8, e55052.	2.5	15

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19	Three Acyltransferases and Nitrogen-responsive Regulator Are Implicated in Nitrogen Starvation-induced Triacylglycerol Accumulation in Chlamydomonas. <i>Journal of Biological Chemistry</i> , 2012, 287, 15811-15825.	3.4	379
20	Computation of metabolic fluxes and efficiencies for biological carbon dioxide fixation. <i>Metabolic Engineering</i> , 2011, 13, 150-158.	7.0	66
21	Flux balance analysis of primary metabolism in <i>Chlamydomonas reinhardtii</i> . <i>BMC Systems Biology</i> , 2009, 3, 4.	3.0	351
22	Network Stoichiometry. , 2009, , 211-243.		7
23	Characterizing Photosynthetic Biofuel Production: Isotopically Non-Stationary <sup>13</sup> C Metabolic Flux Analysis on Limonene Producing <i>Synechococcus</i> sp. PCC 7002. <i>Frontiers in Energy Research</i> , 0, 10, .	2.3	3