

# Megan L Matthews

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5035584/publications.pdf>

Version: 2024-02-01

8  
papers

240  
citations

1684188  
5  
h-index

1588992  
8  
g-index

9  
all docs

9  
docs citations

9  
times ranked

401  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving wood properties for wood utilization through multi-omics integration in lignin biosynthesis. <i>Nature Communications</i> , 2018, 9, 1579.	12.8	162
2	Flux modeling for monolignol biosynthesis. <i>Current Opinion in Biotechnology</i> , 2019, 56, 187-192.	6.6	33
3	Multiscale plant modeling: from genome to phenome and beyond. <i>Emerging Topics in Life Sciences</i> , 2021, 5, 231-237.	2.6	15
4	Modeling cross-regulatory influences on monolignol transcripts and proteins under single and combinatorial gene knockdowns in <i>Populus trichocarpa</i> . <i>PLoS Computational Biology</i> , 2020, 16, e1007197.	3.2	11
5	A multiscale model of lignin biosynthesis for predicting bioenergy traits in <i>Populus trichocarpa</i> . <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 168-182.	4.1	10
6	BioCro II: a software package for modular crop growth simulations. <i>In Silico Plants</i> , 2022, 4, .	1.9	5
7	Soybean-BioCro: a semi-mechanistic model of soybean growth. <i>In Silico Plants</i> , 2022, 4, .	1.9	3
8	Multiscale Modeling of Cross-Regulatory Transcript and Protein Influences. <i>Methods in Molecular Biology</i> , 2021, 2328, 115-138.	0.9	1