

# Sylvie Estrela

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8112869/publications.pdf>

Version: 2024-02-01

18  
papers

1,517  
citations

567281

15  
h-index

888059

17  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1746  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emergent simplicity in microbial community assembly. <i>Science</i> , 2018, 361, 469-474.	12.6	706
2	Environmentally Mediated Social Dilemmas. <i>Trends in Ecology and Evolution</i> , 2019, 34, 6-18.	8.7	77
3	From Metabolism to Ecology: Cross-Feeding Interactions Shape the Balance between Polymicrobial Conflict and Mutualism. <i>American Naturalist</i> , 2012, 180, 566-576.	2.1	71
4	Metabolic and Demographic Feedbacks Shape the Emergent Spatial Structure and Function of Microbial Communities. <i>PLoS Computational Biology</i> , 2013, 9, e1003398.	3.2	71
5	Community interactions and spatial structure shape selection on antibiotic resistant lineages. <i>PLoS Computational Biology</i> , 2018, 14, e1006179.	3.2	69
6	Private benefits and metabolic conflicts shape the emergence of microbial interdependencies. <i>Environmental Microbiology</i> , 2016, 18, 1415-1427.	3.8	66
7	Functional attractors in microbial community assembly. <i>Cell Systems</i> , 2022, 13, 29-42.e7.	6.2	59
8	Nutrient dominance governs the assembly of microbial communities in mixed nutrient environments. <i>ELife</i> , 2021, 10, .	6.0	56
9	Engineering complex communities by directed evolution. <i>Nature Ecology and Evolution</i> , 2021, 5, 1011-1023.	7.8	54
10	Directed Evolution of Microbial Communities. <i>Annual Review of Biophysics</i> , 2021, 50, 323-341.	10.0	51
11	Within-Host Dynamics of Multi-Species Infections: Facilitation, Competition and Virulence. <i>PLoS ONE</i> , 2012, 7, e38730.	2.5	43
12	Transitions in individuality through symbiosis. <i>Current Opinion in Microbiology</i> , 2016, 31, 191-198.	5.1	43
13	Multi-Replicated Enrichment Communities as a Model System in Microbial Ecology. <i>Frontiers in Microbiology</i> , 2021, 12, 657467.	3.5	24
14	Evolution of Cooperative Cross-Feeding Could Be Less Challenging Than Originally Thought. <i>PLoS ONE</i> , 2010, 5, e14121.	2.5	19
15	The demographic determinants of human microbiome health. <i>Trends in Microbiology</i> , 2015, 23, 134-141.	7.7	17
16	The meta-gut: community coalescence of animal gut and environmental microbiomes. <i>Scientific Reports</i> , 2021, 11, 23117.	3.3	17
17	Refolding and characterization of methionine adenosyltransferase from <i>Euglena gracilis</i> . <i>Protein Expression and Purification</i> , 2011, 79, 128-136.	1.3	14
18	Community lifespan, niche expansion and the evolution of interspecific cooperation. <i>Journal of Evolutionary Biology</i> , 2021, 34, 352-363.	1.7	0