

# Rachelle Prantil-Baun

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9657661/publications.pdf>

Version: 2024-02-01

12  
papers

1,512  
citations

759233

12  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

1871  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling pulmonary cystic fibrosis in a human lung airway-on-a-chip. <i>Journal of Cystic Fibrosis</i> , 2022, 21, 606-615.	0.7	52
2	Establishment of physiologically relevant oxygen gradients in microfluidic organ chips. <i>Lab on A Chip</i> , 2022, 22, 1584-1593.	6.0	18
3	Mechanical control of innate immune responses against viral infection revealed in a human lung alveolus chip. <i>Nature Communications</i> , 2022, 13, 1928.	12.8	53
4	Simulating drug concentrations in PDMS microfluidic organ chips. <i>Lab on A Chip</i> , 2021, 21, 3509-3519.	6.0	50
5	A human-airway-on-a-chip for the rapid identification of candidate antiviral therapeutics and prophylactics. <i>Nature Biomedical Engineering</i> , 2021, 5, 815-829.	22.5	228
6	Enteric Coronavirus Infection and Treatment Modeled With an Immunocompetent Human Intestine-On-A-Chip. <i>Frontiers in Pharmacology</i> , 2021, 12, 718484.	3.5	52
7	Human Colon-on-a-Chip Enables Continuous InÂVitro Analysis of Colon Mucus Layer Accumulation and Physiology. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020, 9, 507-526.	4.5	140
8	On-chip recapitulation of clinical bone marrow toxicities and patient-specific pathophysiology. <i>Nature Biomedical Engineering</i> , 2020, 4, 394-406.	22.5	170
9	Quantitative prediction of human pharmacokinetic responses to drugs via fluidically coupled vascularized organ chips. <i>Nature Biomedical Engineering</i> , 2020, 4, 421-436.	22.5	280
10	Species-specific enhancement of enterohemorrhagic <i>E. coli</i> pathogenesis mediated by microbiome metabolites. <i>Microbiome</i> , 2019, 7, 43.	11.1	102
11	Physiologically Based Pharmacokinetic and Pharmacodynamic Analysis Enabled by Microfluidically Linked Organs-on-Chips. <i>Annual Review of Pharmacology and Toxicology</i> , 2018, 58, 37-64.	9.4	133
12	Matched-Comparative Modeling of Normal and Diseased Human Airway Responses Using a Microengineered Breathing Lung Chip. <i>Cell Systems</i> , 2016, 3, 456-466.e4.	6.2	227