Rachelle Prantil-Baun

List of Publications by Year
in descending order

12	1,512	759233 12	1125743 13
papers	citations	h-index	g-index

13	13	13	1871
all docs	docs citations	times ranked	citing authors

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