

# Murat Cirit

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5708556/publications.pdf>

Version: 2024-02-01

17  
papers

1,605  
citations

516710

16  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

2176  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interconnected Microphysiological Systems for Quantitative Biology and Pharmacology Studies. <i>Scientific Reports</i> , 2018, 8, 4530.	3.3	341
2	Biology-inspired microphysiological system approaches to solve the prediction dilemma of substance testing. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2016, 33, 272-321.	1.5	214
3	Integrated Gut and Liver Microphysiological Systems for Quantitative In Vitro Pharmacokinetic Studies. <i>AAPS Journal</i> , 2017, 19, 1499-1512.	4.4	177
4	Integrated gut/liver microphysiological systems elucidates inflammatory inter-tissue crosstalk. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2648-2659.	3.3	151
5	Biology-inspired microphysiological systems to advance medicines for patient benefit and animal welfare. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2020, 37, 365-394.	1.5	123
6	Systematic Quantification of Negative Feedback Mechanisms in the Extracellular Signal-regulated Kinase (ERK) Signaling Network. <i>Journal of Biological Chemistry</i> , 2010, 285, 36736-36744.	3.4	80
7	Allosteric Modulation of Ras-GTP Is Linked to Signal Transduction through RAF Kinase. <i>Journal of Biological Chemistry</i> , 2011, 286, 3323-3331.	3.4	74
8	PI3K-dependent cross-talk interactions converge with Ras as quantifiable inputs integrated by Erk. <i>Molecular Systems Biology</i> , 2009, 5, 246.	7.2	69
9	Multi-functional scaling methodology for translational pharmacokinetic and pharmacodynamic applications using integrated microphysiological systems (MPS). <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 290-302.	1.3	58
10	Integrated Assessment of Diclofenac Biotransformation, Pharmacokinetics, and Omics-Based Toxicity in a Three-Dimensional Human Liver-Immunocompetent Coculture System. <i>Drug Metabolism and Disposition</i> , 2017, 45, 855-866.	3.3	56
11	Maximizing the impact of microphysiological systems with in vitro-in vivo translation. <i>Lab on A Chip</i> , 2018, 18, 1831-1837.	6.0	55
12	Data-driven modeling reconciles kinetics of ERK phosphorylation, localization, and activity states. <i>Molecular Systems Biology</i> , 2014, 10, 718.	7.2	54
13	Stochastic Model of Integrin-Mediated Signaling and Adhesion Dynamics at the Leading Edges of Migrating Cells. <i>PLoS Computational Biology</i> , 2010, 6, e1000688.	3.2	52
14	Translational Assessment of Drug-Induced Proximal Tubule Injury Using a Kidney Microphysiological System. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2019, 8, 316-325.	2.5	42
15	Analysis of an Integrated Human Multiorgan Microphysiological System for Combined Tolcapone Metabolism and Brain Metabolomics. <i>Analytical Chemistry</i> , 2019, 91, 8667-8675.	6.5	30
16	Establishing quasi-steady state operations of microphysiological systems (MPS) using tissue-specific metabolic dependencies. <i>Scientific Reports</i> , 2018, 8, 8015.	3.3	19
17	Assessment of Drug-Induced Toxicity Biomarkers in the Brain Microphysiological System (MPS) Using Targeted and Untargeted Molecular Profiling. <i>Frontiers in Big Data</i> , 2019, 2, 23.	2.9	10