Murat Cirit

List of Publications by Year
in descending order

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	Biology-inspired microphysiological systems to advance medicines for patient benefit and animal welfare. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 365-394.	1.5	123
2	Assessment of Drug-Induced Toxicity Biomarkers in the Brain Microphysiological System (MPS) Using Targeted and Untargeted Molecular Profiling. Frontiers in Big Data, 2019, 2, 23.	2.9	10
3	Analysis of an Integrated Human Multiorgan Microphysiological System for Combined Tolcapone Metabolism and Brain Metabolomics. Analytical Chemistry, 2019, 91, 8667-8675.	6.5	30
4	Translational Assessment of Drugâ€Induced Proximal Tubule Injury Using a Kidney Microphysiological System. CPT: Pharmacometrics and Systems Pharmacology, 2019, 8, 316-325.	2.5	42
5	Interconnected Microphysiological Systems for Quantitative Biology and Pharmacology Studies. Scientific Reports, 2018, 8, 4530.	3.3	341
6	Establishing quasi-steady state operations of microphysiological systems (MPS) using tissue-specific metabolic dependencies. Scientific Reports, 2018, 8, 8015.	3.3	19
7	Maximizing the impact of microphysiological systems with in vitroâ€“in vivo translation. Lab on A Chip, 2018, 18, 1831-1837.	6.0	55
8	Multi-functional scaling methodology for translational pharmacokinetic and pharmacodynamic applications using integrated microphysiological systems (MPS). Integrative Biology (United Kingdom), 2017, 9, 290-302.	1.3	58
9	Integrated Assessment of Diclofenac Biotransformation, Pharmacokinetics, and Omics-Based Toxicity in a Three-Dimensional Human Liver-Immunocompetent Coculture System. Drug Metabolism and Disposition, 2017, 45, 855-866.	3.3	56
10	Integrated gut/liver microphysiological systems elucidates inflammatory interâ€tissue crosstalk. Biotechnology and Bioengineering, 2017, 114, 2648-2659.	3.3	151
11	Integrated Gut and Liver Microphysiological Systems for Quantitative In Vitro Pharmacokinetic Studies. AAPS Journal, 2017, 19, 1499-1512.	4.4	177
12	Biology-inspired microphysiological system approaches to solve the prediction dilemma of substance testing. ALTEX: Alternatives To Animal Experimentation, 2016, 33, 272-321.	1.5	214
13	Dataâ€driven modeling reconciles kinetics of <scp>ERK</scp> phosphorylation, localization, and activity states. Molecular Systems Biology, 2014, 10, 718.	7.2	54
14	Allosteric Modulation of Ras-GTP Is Linked to Signal Transduction through RAF Kinase. Journal of Biological Chemistry, 2011, 286, 3323-3331.	3.4	74
15	Systematic Quantification of Negative Feedback Mechanisms in the Extracellular Signal-regulated Kinase (ERK) Signaling Network. Journal of Biological Chemistry, 2010, 285, 36736-36744.	3.4	80
16	Stochastic Model of Integrin-Mediated Signaling and Adhesion Dynamics at the Leading Edges of Migrating Cells. PLoS Computational Biology, 2010, 6, e1000688.	3.2	52
17	PI3Kâ€dependent crossâ€talk interactions converge with Ras as quantifiable inputs integrated by Erk. Molecular Systems Biology, 2009, 5, 246.	7.2	69