

Richard Novak

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

2,670
citations

758635

12
h-index

752256

20
g-index

27
all docs

27
docs citations

27
times ranked

4227
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 tissue atlases reveal SARS-CoV-2 pathology and cellular targets. <i>Nature</i> , 2021, 595, 107-113.	13.7	537
2	A complex human gut microbiome cultured in an anaerobic intestine-on-a-chip. <i>Nature Biomedical Engineering</i> , 2019, 3, 520-531.	11.6	487
3	Mature induced-pluripotent-stem-cell-derived human podocytes reconstitute kidney glomerular-capillary-wall function on a chip. <i>Nature Biomedical Engineering</i> , 2017, 1, .	11.6	376
4	Quantitative prediction of human pharmacokinetic responses to drugs via fluidically coupled vascularized organ chips. <i>Nature Biomedical Engineering</i> , 2020, 4, 421-436.	11.6	280
5	Robotic fluidic coupling and interrogation of multiple vascularized organ chips. <i>Nature Biomedical Engineering</i> , 2020, 4, 407-420.	11.6	256
6	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.	2.9	227
7	On-chip recapitulation of clinical bone marrow toxicities and patient-specific pathophysiology. <i>Nature Biomedical Engineering</i> , 2020, 4, 394-406.	11.6	170
8	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.	4.2	133
9	Human Lung Small Airway-on-a-Chip Protocol. <i>Methods in Molecular Biology</i> , 2017, 1612, 345-365.	0.4	58
10	Biomimetic smoking robot for in vitro inhalation exposure compatible with microfluidic organ chips. <i>Nature Protocols</i> , 2020, 15, 183-206.	5.5	30
11	Scalable Fabrication of Stretchable, Dual Channel, Microfluidic Organ Chips. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	24
12	Toward Decoding Bioelectric Events in <i>Xenopus</i> Embryogenesis: New Methodology for Tracking Interplay Between Calcium and Resting Potentials In Vivo. <i>Journal of Molecular Biology</i> , 2020, 432, 605-620.	2.0	14
13	Monitoring transient cell-to-cell interactions in a multi-layered and multi-functional allergy-on-a-chip system. <i>Lab on A Chip</i> , 2019, 19, 1916-1921.	3.1	12
14	Mechanosensation Mediates Long-Range Spatial Decision-Making in an Aneural Organism. <i>Advanced Materials</i> , 2021, 33, e2008161.	11.1	11
15	Accessioning and automation compatible anterior nares swab design. <i>Journal of Virological Methods</i> , 2021, 294, 114153.	1.0	9
16	An in vivo brain-bacteria interface: the developing brain as a key regulator of innate immunity. <i>Npj Regenerative Medicine</i> , 2020, 5, 2.	2.5	7
17	Establishment of a Modular Anaerobic Human Intestine Chip. <i>Methods in Molecular Biology</i> , 2022, 2373, 69-85.	0.4	5
18	Enhancers of Host Immune Tolerance to Bacterial Infection Discovered Using Linked Computational and Experimental Approaches. <i>Advanced Science</i> , 2022, 9, .	5.6	3

#	ARTICLE	IF	CITATIONS
19	Increased phosphorylation of ACTN4 leads to podocyte vulnerability and proteinuric kidney disease and is stimulated by high glucose and TGF β . FASEB Journal, 2020, 34, 1-1.	0.2	0