

Richard Novak

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7413098/richard-novak-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

1,422
citations

11
h-index

27
g-index

27
ext. papers

2,103
ext. citations

13.6
avg, IF

4.3
L-index

#	Paper	IF	Citations
19	Establishment of a Modular Anaerobic Human Intestine Chip. <i>Methods in Molecular Biology</i> , 2022 , 2373, 69-85	1.4	3
18	COVID-19 tissue atlases reveal SARS-CoV-2 pathology and cellular targets. <i>Nature</i> , 2021 , 595, 107-113	50.4	124
17	Mechanosensation Mediates Long-Range Spatial Decision-Making in an Aneural Organism. <i>Advanced Materials</i> , 2021 , 33, e2008161	24	0
16	Accessioning and automation compatible anterior nares swab design. <i>Journal of Virological Methods</i> , 2021 , 294, 114153	2.6	3
15	On-chip recapitulation of clinical bone marrow toxicities and patient-specific pathophysiology. <i>Nature Biomedical Engineering</i> , 2020 , 4, 394-406	19	97
14	Quantitative prediction of human pharmacokinetic responses to drugs via fluidically coupled vascularized organ chips. <i>Nature Biomedical Engineering</i> , 2020 , 4, 421-436	19	154
13	An in vivo brain-bacteria interface: the developing brain as a key regulator of innate immunity. <i>Npj Regenerative Medicine</i> , 2020 , 5, 2	15.8	5
12	Increased phosphorylation of ACTN4 leads to podocyte vulnerability and proteinuric kidney disease and is stimulated by high glucose and TGF- β . <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
11	Robotic fluidic coupling and interrogation of multiple vascularized organ chips. <i>Nature Biomedical Engineering</i> , 2020 , 4, 407-420	19	150
10	Toward Decoding Bioelectric Events in Xenopus Embryogenesis: New Methodology for Tracking Interplay Between Calcium and Resting Potentials In Vivo. <i>Journal of Molecular Biology</i> , 2020 , 432, 605-620	6.5	5
9	Biomimetic smoking robot for in vitro inhalation exposure compatible with microfluidic organ chips. <i>Nature Protocols</i> , 2020 , 15, 183-206	18.8	17
8	A complex human gut microbiome cultured in an anaerobic intestine-on-a-chip. <i>Nature Biomedical Engineering</i> , 2019 , 3, 520-531	19	283
7	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	7.2	9
6	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	17.9	103
5	Scalable Fabrication of Stretchable, Dual Channel, Microfluidic Organ Chips. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	18
4	Mature induced-pluripotent-stem-cell-derived human podocytes reconstitute kidney glomerular-capillary-wall function on a chip. <i>Nature Biomedical Engineering</i> , 2017 , 1,	19	253
3	Human Lung Small Airway-on-a-Chip Protocol. <i>Methods in Molecular Biology</i> , 2017 , 1612, 345-365	1.4	40

- | | | | |
|---|---|------|-----|
| 2 | 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 | 10.6 | 152 |
| 1 | A robotic platform for fluidically-linked human body-on-chips experimentation | | 1 |