

# Sebastian Rudi Adam Kratz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1082709/publications.pdf>

Version: 2024-02-01

10  
papers

336  
citations

1307594

7  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

613  
citing authors

#	ARTICLE	IF	CITATIONS
1	Latest Trends in Biosensing for Microphysiological Organs-on-a-Chip and Body-on-a-Chip Systems. <i>Biosensors</i> , 2019, 9, 110.	4.7	71
2	Fabrication of biomimetic placental barrier structures within a microfluidic device utilizing two-photon polymerization. <i>International Journal of Bioprinting</i> , 2018, 4, 144.	3.4	69
3	Characterization of four functional biocompatible pressure-sensitive adhesives for rapid prototyping of cell-based lab-on-a-chip and organ-on-a-chip systems. <i>Scientific Reports</i> , 2019, 9, 9287.	3.3	51
4	Optimized alamarBlue assay protocol for drug dose-response determination of 3D tumor spheroids. <i>MethodsX</i> , 2018, 5, 781-787.	1.6	44
5	Monitoring tissue-level remodelling during inflammatory arthritis using a three-dimensional synovium-on-a-chip with non-invasive light scattering biosensing. <i>Lab on A Chip</i> , 2020, 20, 1461-1471.	6.0	39
6	A lab-on-a-chip system with an embedded porous membrane-based impedance biosensor array for nanoparticle risk assessment on placental Bewo trophoblast cells. <i>Sensors and Actuators B: Chemical</i> , 2020, 312, 127946.	7.8	34
7	Combinatorial in Vitro and in Silico Approach To Describe Shear-Force Dependent Uptake of Nanoparticles in Microfluidic Vascular Models. <i>Analytical Chemistry</i> , 2018, 90, 3651-3655.	6.5	14
8	A compression transmission device for the evaluation of bonding strength of biocompatible microfluidic and biochip materials and systems. <i>Scientific Reports</i> , 2020, 10, 1400.	3.3	5
9	A microfluidic impedance-based extended infectivity assay: combining retroviral amplification and cytopathic effect monitoring on a single lab-on-a-chip platform. <i>Lab on A Chip</i> , 2021, 21, 1364-1372.	6.0	5
10	Optimized plasma-assisted bi-layer photoresist fabrication protocol for high resolution microfabrication of thin-film metal electrodes on porous polymer membranes. <i>MethodsX</i> , 2019, 6, 2606-2613.	1.6	4