

# Joachim Wiest

## List of Publications by Year in descending order

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39  
papers

732  
citations

1040056

9  
h-index

642732

23  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1142  
citing authors

#	ARTICLE	IF	CITATIONS
1	Systems engineering of microphysiometry. <i>Organs-on-a-Chip</i> , 2022, 4, 100016.	3.2	3
2	Tissue-on-a-Chip: Microphysiometry With Human 3D Models on Transwell Inserts. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 760.	4.1	10
3	Influence of herbicide 2,4-D dimethylamine 865SL on photosynthetic mechanism of algae species <i>Chlorella Kessleri</i> immobilized in a biochip. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2
4	Proliferation characteristics of cells cultured under periodic versus static conditions. <i>Cytotechnology</i> , 2019, 71, 443-452.	1.6	8
5	Microphysiometry. <i>Bioanalytical Reviews</i> , 2018, , 163-188.	0.2	2
6	A novel lab-on-a-chip platform for spheroid metabolism monitoring. <i>Cytotechnology</i> , 2018, 70, 375-386.	1.6	26
7	Skin-on-a-Chip: Transepithelial Electrical Resistance and Extracellular Acidification Measurements through an Automated Air-Liquid Interface. <i>Genes</i> , 2018, 9, 114.	2.4	61
8	Fetal bovine serum (FBS): Past “ present “ future. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2018, 35, 99-118.	1.5	231
9	Enabling 3D hepatocyte spheroids for microphysiometry. , 2017, 2017, 1617-1620.		1
10	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
11	Real-time spheroid monitoring via an automated microphysiometer. <i>Toxicology Letters</i> , 2016, 258, S144.	0.8	0
12	Automated long-term monitoring of extracellular acidification and changes in impedance of living cells. <i>Toxicology Letters</i> , 2016, 258, S281.	0.8	0
13	Automated transepithelial electrical resistance measurements of the EpiDerm reconstructed human epidermis model. , 2016, 2016, 469-472.		4
14	Data Processing in Cellular Microphysiometry. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 2368-2375.	4.2	8
15	Methods and applications of label-free cell-based systems. <i>KnE Engineering</i> , 2016, 1, .	0.1	0
16	Online, label-free monitoring of organ-on-a-chip models: The case for microphysiometry. , 2015, 2015, 7091-4.		1
17	An automated microphysiological assay for toxicity evaluation. , 2015, 2015, 2175-8.		3
18	Application of algae-biosensor for environmental monitoring. , 2015, 2015, 7099-102.		9

#	ARTICLE	IF	CITATIONS
19	Self calibration of a planar dissolved oxygen sensor. Sensors and Actuators B: Chemical, 2013, 177, 785-791.	7.8	11
20	Label-free monitoring of whole cell vitality. , 2013, 2013, 1607-10.		13
21	Metabolische Signaturen. Chipgestützte Bestimmung der metabolischen Signatur von lebenden Zellen und Gewebe. TM Technisches Messen, 2013, 80, 243-248.	0.7	0
22	3.5.4 Multiparametric Microsensors on Labonchip Systems for the Detection of Dissolved Substances. , 2012, , .		0
23	Mobile biosensor for water quality monitoring. , 2011, , .		3
24	Chip statt Maus: Zellbasierter in-vitro-Sensor für Kometabolisierungs- und Toxizitätstests. , 2011, , .		0
25	Development of a multiparametric handheld biosensor for use in mobile applications. , 2009, , .		2
26	Sensor chips for multiparametric real time monitoring of cell metabolism and drug response. IFMBE Proceedings, 2009, , 45-48.	0.3	2
27	A mobile biosensor using living cells for water quality analysis. IFMBE Proceedings, 2009, , 24-26.	0.3	1
28	Mathematical methods for interpretation of metabolic signals from living cells on biohybrid sensor chips. IFMBE Proceedings, 2009, , 91-94.	0.3	0
29	Fieldbus controlled live support system for cell-based biohybrid measuring systems. IFMBE Proceedings, 2009, , 98-100.	0.3	0
30	Silicon Based Multi Parametric Biohybrid Microsensor Chips. IFMBE Proceedings, 2009, , 299-302.	0.3	0
31	Cell Based Assays for Label Free Investigation of Living Cells. IFMBE Proceedings, 2009, , 363-364.	0.3	0
32	Measurement of Dissolved Oxygen with Lab-on-Chip Systems. IFMBE Proceedings, 2008, , 353-356.	0.3	1
33	CAN SINGLE ELECTRONS INITIATE FUSION OF BIOLOGICAL MEMBRANES?. Biophysical Reviews and Letters, 2007, 02, 23-31.	0.8	2
34	Cellular signaling: aspects for tumor diagnosis and therapy. Biomedizinische Technik, 2007, 52, 164-168.	0.8	20
35	Environmental engineering using living cells as signal transducers. , 2007, , .		3
36	Chip statt Maus: Mikrosensorarrays zur Chemikalienprüfung. Nachrichten Aus Der Chemie, 2006, 54, 115-120.	0.0	6

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37	Intelligent Mobile Lab for Metabolics in Environmental Monitoring. Analytical Letters, 2006, 39, 1759-1771.	1.8	42
38	Cellular Assays with Multiparametric Bioelectronic Sensor Chips. Chimia, 2005, 59, 243-246.	0.6	27
39	Methods and applications of label-free cell-based systems. KnE Engineering, 0, 1, .	0.1	0