

# Benedikt Bierer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2582485/publications.pdf>

Version: 2024-02-01

18  
papers

391  
citations

1040056

9  
h-index

940533

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

597  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of microbial current production as a function of microbe-electrode-interaction. <i>Bioresource Technology</i> , 2014, 157, 284-292.	9.6	68
2	Photo-Induced Room-Temperature Gas Sensing with a-IGZO Based Thin-Film Transistors Fabricated on Flexible Plastic Foil. <i>Sensors</i> , 2018, 18, 358.	3.8	55
3	New method to selectively determine hydrogen sulfide concentrations using CuO layers. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 625-631.	7.8	48
4	A Wireless Gas Sensor Network to Monitor Indoor Environmental Quality in Schools. <i>Sensors</i> , 2018, 18, 4345.	3.8	44
5	Design of a LED-based sensor for monitoring the lower explosion limit of methane. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 930-939.	7.8	41
6	Miniature Low-Cost Carbon Dioxide Sensor for Mobile Devices. <i>IEEE Sensors Journal</i> , 2017, 17, 2889-2895.	4.7	36
7	Low-cost gas sensing system for the reliable and precise measurement of methane, carbon dioxide and hydrogen sulfide in natural gas and biomethane. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 885-892.	7.8	26
8	Scalable gas sensors fabrication to integrate metal oxide nanoparticles with well-defined shape and size. <i>Sensors and Actuators B: Chemical</i> , 2017, 249, 639-646.	7.8	26
9	Odor-Sensing System to Support Social Participation of People Suffering from Incontinence. <i>Sensors</i> , 2017, 17, 58.	3.8	12
10	Real-time Gas Quality Data for On-Demand Production of Biogas. <i>Chemical Engineering and Technology</i> , 2018, 41, 696-701.	1.5	9
11	Carbon dioxide sensor for mobile devices: A novel approach for low-power consuming, highly sensitive NDIR sensors. , 2016, , .		6
12	Gas sensors for climate research. <i>Journal of Sensors and Sensor Systems</i> , 2018, 7, 535-541.	0.9	6
13	Impact of particle size and morphology of cobalt oxide on the thermal response to methane examined by thermal analysis. <i>Journal of Sensors and Sensor Systems</i> , 2021, 10, 37-42.	0.9	5
14	Investigating flexible feeding effects on the biogas quality in full-scale anaerobic digestion by high resolution, photoacoustic-based NDIR sensing. <i>Engineering in Life Sciences</i> , 2019, 19, 700-710.	3.6	4
15	Low-power sensor node for the detection of methane and propane. <i>Journal of Sensors and Sensor Systems</i> , 2021, 10, 185-191.	0.9	3
16	Gauging Indoor Air Quality with Inexpensive Gas Sensing Technologies. <i>Procedia Engineering</i> , 2016, 168, 168-171.	1.2	1
17	In-situ Biogas Sensing System for Enabling Spatially Resolved Online Determination of the Gas Composition of the Fermenter. <i>Procedia Engineering</i> , 2016, 168, 1634-1637.	1.2	1
18	Low-Power Odor-Sensing Network Based on Wake-Up Nodes. <i>Proceedings (mdpi)</i> , 2017, 1, .	0.2	0