

# Yoav Y Broza

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7269301/publications.pdf>

Version: 2024-02-01

32  
papers

4,782  
citations

331259

21  
h-index

395343

33  
g-index

33  
all docs

33  
docs citations

33  
times ranked

5209  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnosing lung cancer in exhaled breath using gold nanoparticles. <i>Nature Nanotechnology</i> , 2009, 4, 669-673.	15.6	1,051
2	Volatile Organic Compounds of Lung Cancer and Possible Biochemical Pathways. <i>Chemical Reviews</i> , 2012, 112, 5949-5966.	23.0	694
3	Assessment, origin, and implementation of breath volatile cancer markers. <i>Chemical Society Reviews</i> , 2014, 43, 1423-1449.	18.7	504
4	Diagnosis and Classification of 17 Diseases from 1404 Subjects via Pattern Analysis of Exhaled Molecules. <i>ACS Nano</i> , 2017, 11, 112-125.	7.3	386
5	Nanomaterial-based sensors for detection of disease by volatile organic compounds. <i>Nanomedicine</i> , 2013, 8, 785-806.	1.7	287
6	Disease Detection with Molecular Biomarkers: From Chemistry of Body Fluids to Nature-Inspired Chemical Sensors. <i>Chemical Reviews</i> , 2019, 119, 11761-11817.	23.0	269
7	Multiplexed Nanomaterial-Based Sensor Array for Detection of COVID-19 in Exhaled Breath. <i>ACS Nano</i> , 2020, 14, 12125-12132.	7.3	248
8	Hybrid Volatolomics and Disease Detection. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11036-11048.	7.2	220
9	Synergy between nanomaterials and volatile organic compounds for non-invasive medical evaluation. <i>Chemical Society Reviews</i> , 2018, 47, 4781-4859.	18.7	205
10	A nanomaterial-based breath test for short-term follow-up after lung tumor resection. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 15-21.	1.7	112
11	Combined Volatolomics for Monitoring of Human Body Chemistry. <i>Scientific Reports</i> , 2014, 4, 4611.	1.6	111
12	Volatile fingerprints of cancer specific genetic mutations. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 758-766.	1.7	100
13	Monolayer-capped gold nanoparticles for disease detection from breath. <i>Nanomedicine</i> , 2014, 9, 1991-2002.	1.7	93
14	Detecting active pulmonary tuberculosis with a breath test using nanomaterial-based sensors. <i>European Respiratory Journal</i> , 2014, 43, 1522-1525.	3.1	88
15	Assessment of the exhalation kinetics of volatile cancer biomarkers based on their physicochemical properties. <i>Journal of Breath Research</i> , 2014, 8, 016003.	1.5	82
16	Profiling Single Cancer Cells with Volatolomics Approach. <i>IScience</i> , 2019, 11, 178-188.	1.9	45
17	Exhaled Breath Markers for Nonimaging and Noninvasive Measures for Detection of Multiple Sclerosis. <i>ACS Chemical Neuroscience</i> , 2017, 8, 2402-2413.	1.7	43
18	A Wearable Microneedle-Based Extended Gate Transistor for Real-Time Detection of Sodium in Interstitial Fluids. <i>Advanced Materials</i> , 2022, 34, e2108607.	11.1	31

#	ARTICLE	IF	CITATIONS
19	Screening for gastric cancer using exhaled breath samples. British Journal of Surgery, 2019, 106, 1122-1125.	0.1	29
20	Sensor Array for Detection of Early Stage Parkinson's Disease before Medication. ACS Chemical Neuroscience, 2018, 9, 2548-2553.	1.7	25
21	Biointerfaced sensors for biodiagnostics. View, 2021, 2, 20200172.	2.7	24
22	Biodiagnostics in an era of global pandemics"From biosensing materials to data management. View, 2022, 3, 20200164.	2.7	23
23	Breath volatolomics for diagnosing chronic rhinosinusitis. International Journal of Nanomedicine, 2018, Volume 13, 4661-4670.	3.3	19
24	Exhaled breath diagnostics of lung and gastric cancers in China using nanosensors. Cancer Communications, 2020, 40, 273-278.	3.7	19
25	Fabricating and printing chemiresistors based on monolayer-capped metal nanoparticles. Nature Protocols, 2021, 16, 2968-2990.	5.5	18
26	Sensing gastric cancer via point-of-care sensor breath analyzer. Cancer, 2021, 127, 1286-1292.	2.0	15
27	Detection of Single Cancer Cells in Blood with Artificially Intelligent Nanoarray. ACS Nano, 2021, 15, 7744-7755.	7.3	13
28	Volatile Compounds Are Involved in Cellular Crosstalk and Upregulation. Advanced Biology, 2019, 3, e1900131.	3.0	9
29	Artificially Intelligent Nanoarray Detects Various Cancers by Liquid Biopsy of Volatile Markers. Advanced Healthcare Materials, 2022, 11, .	3.9	5
30	A Wearable Microneedle-Based Extended Gate Transistor for Real-Time Detection of Sodium in Interstitial Fluids (Adv. Mater. 10/2022). Advanced Materials, 2022, 34, .	11.1	3
31	The Utility of Breath Analysis in the Diagnosis and Staging of Parkinson's Disease. Journal of Parkinson's Disease, 2022, 12, 993-1002.	1.5	2
32	Cell-Cell Cross Talk: Volatile Compounds Are Involved in Cellular Crosstalk and Upregulation (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.0	1