

Yoav Y Broza

List of Publications by Year in descending order

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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	Biodiagnostics in an era of global pandemicsâ€”From biosensing materials to data management. <i>View</i> , 2022, 3, 20200164.	2.7	23
2	A Wearable Microneedleâ€”Based Extended Gate Transistor for Realâ€”Time Detection of Sodium in Interstitial Fluids. <i>Advanced Materials</i> , 2022, 34, e2108607.	11.1	31
3	The Utility of Breath Analysis in the Diagnosis and Staging of Parkinsonâ€™s Disease. <i>Journal of Parkinson's Disease</i> , 2022, 12, 993-1002.	1.5	2
4	A Wearable Microneedleâ€”Based Extended Gate Transistor for Realâ€”Time Detection of Sodium in Interstitial Fluids (<i>Adv. Mater.</i> 10/2022). <i>Advanced Materials</i> , 2022, 34, .	11.1	3
5	Artificially Intelligent Nanoarray Detects Various Cancers by Liquid Biopsy of Volatile Markers. <i>Advanced Healthcare Materials</i> , 2022, 11, .	3.9	5
6	Sensing gastric cancer via pointâ€”ofâ€”care sensor breath analyzer. <i>Cancer</i> , 2021, 127, 1286-1292.	2.0	15
7	Detection of Single Cancer Cells in Blood with Artificially Intelligent Nanoarray. <i>ACS Nano</i> , 2021, 15, 7744-7755.	7.3	13
8	Biointerfaced sensors for biodiagnostics. <i>View</i> , 2021, 2, 20200172.	2.7	24
9	Fabricating and printing chemiresistors based on monolayer-capped metal nanoparticles. <i>Nature Protocols</i> , 2021, 16, 2968-2990.	5.5	18
10	Multiplexed Nanomaterial-Based Sensor Array for Detection of COVID-19 in Exhaled Breath. <i>ACS Nano</i> , 2020, 14, 12125-12132.	7.3	248
11	Exhaled breath diagnostics of lung and gastric cancers in China using nanosensors. <i>Cancer Communications</i> , 2020, 40, 273-278.	3.7	19
12	Screening for gastric cancer using exhaled breath samples. <i>British Journal of Surgery</i> , 2019, 106, 1122-1125.	0.1	29
13	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
14	Volatile Compounds Are Involved in Cellular Crosstalk and Upregulation. <i>Advanced Biology</i> , 2019, 3, e1900131.	3.0	9
15	Cellâ€”Cell Cross Talk: Volatile Compounds Are Involved in Cellular Crosstalk and Upregulation (<i>Adv.</i>) $T_j ETQq1 1 0.784314 rgBT / Over$	3.0	
16	Profiling Single Cancer Cells with Volatolomics Approach. <i>IScience</i> , 2019, 11, 178-188.	1.9	45
17	Sensor Array for Detection of Early Stage Parkinsonâ€™s Disease before Medication. <i>ACS Chemical Neuroscience</i> , 2018, 9, 2548-2553.	1.7	25
18	Breath volatolomics for diagnosing chronic rhinosinusitis. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 4661-4670.	3.3	19

#	ARTICLE	IF	CITATIONS
19	Synergy between nanomaterials and volatile organic compounds for non-invasive medical evaluation. <i>Chemical Society Reviews</i> , 2018, 47, 4781-4859.	18.7	205
20	Diagnosis and Classification of 17 Diseases from 1404 Subjects <i>via</i> Pattern Analysis of Exhaled Molecules. <i>ACS Nano</i> , 2017, 11, 112-125.	7.3	386
21	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
22	Hybrid Volatolomics and Disease Detection. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11036-11048.	7.2	220
23	Assessment, origin, and implementation of breath volatile cancer markers. <i>Chemical Society Reviews</i> , 2014, 43, 1423-1449.	18.7	504
24	Monolayer-capped gold nanoparticles for disease detection from breath. <i>Nanomedicine</i> , 2014, 9, 1991-2002.	1.7	93
25	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
26	Detecting active pulmonary tuberculosis with a breath test using nanomaterial-based sensors. <i>European Respiratory Journal</i> , 2014, 43, 1522-1525.	3.1	88
27	Combined Volatolomics for Monitoring of Human Body Chemistry. <i>Scientific Reports</i> , 2014, 4, 4611.	1.6	111
28	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
29	Volatile fingerprints of cancer specific genetic mutations. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 758-766.	1.7	100
30	Nanomaterial-based sensors for detection of disease by volatile organic compounds. <i>Nanomedicine</i> , 2013, 8, 785-806.	1.7	287
31	Volatile Organic Compounds of Lung Cancer and Possible Biochemical Pathways. <i>Chemical Reviews</i> , 2012, 112, 5949-5966.	23.0	694
32	Diagnosing lung cancer in exhaled breath using gold nanoparticles. <i>Nature Nanotechnology</i> , 2009, 4, 669-673.	15.6	1,051