

# Yinon M Bar-On

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1666251/publications.pdf>

Version: 2024-02-01

23  
papers

5,970  
citations

430874

18  
h-index

642732

23  
g-index

38  
all docs

38  
docs citations

38  
times ranked

9124  
citing authors

#	ARTICLE	IF	CITATIONS
1	The biomass distribution on Earth. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6506-6511.	7.1	2,102
2	SARS-CoV-2 (COVID-19) by the numbers. ELife, 2020, 9, .	6.0	826
3	Conversion of Escherichia coli to Generate All Biomass Carbon from CO <sub>2</sub> . Cell, 2019, 179, 1255-1263.e12.	28.9	352
4	Global human-made mass exceeds all living biomass. Nature, 2020, 588, 442-444.	27.8	344
5	Protection by a Fourth Dose of BNT162b2 against Omicron in Israel. New England Journal of Medicine, 2022, 386, 1712-1720.	27.0	303
6	Protection and Waning of Natural and Hybrid Immunity to SARS-CoV-2. New England Journal of Medicine, 2022, 386, 2201-2212.	27.0	276
7	Sugar Synthesis from CO <sub>2</sub> in Escherichia coli. Cell, 2016, 166, 115-125.	28.9	272
8	The total number and mass of SARS-CoV-2 virions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	187
9	SnapShot: Timescales in Cell Biology. Cell, 2016, 164, 1302-1302.e1.	28.9	173
10	The global mass and average rate of rubisco. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4738-4743.	7.1	154
11	The opportunity cost of animal based diets exceeds all food losses. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3804-3809.	7.1	144
12	Revisiting Trade-offs between Rubisco Kinetic Parameters. Biochemistry, 2019, 58, 3365-3376.	2.5	142
13	It's not black or white" on the range of vision and echolocation in echolocating bats. Frontiers in Physiology, 2013, 4, 248.	2.8	80
14	Highly active rubiscos discovered by systematic interrogation of natural sequence diversity. EMBO Journal, 2020, 39, e104081.	7.8	72
15	Design principles of autocatalytic cycles constrain enzyme kinetics and force low substrate saturation at flux branch points. ELife, 2017, 6, .	6.0	70
16	The Biomass Composition of the Oceans: A Blueprint of Our Blue Planet. Cell, 2019, 179, 1451-1454.	28.9	67
17	The genetic basis for the adaptation of E. coli to sugar synthesis from CO <sub>2</sub> . Nature Communications, 2017, 8, 1705.	12.8	39
18	The global ocean size spectrum from bacteria to whales. Science Advances, 2021, 7, eabh3732.	10.3	36

#	ARTICLE	IF	CITATIONS
19	Towards a quantitative view of the global ubiquity of biofilms. <i>Nature Reviews Microbiology</i> , 2019, 17, 199-200.	28.6	20
20	Engineering Microbes to Produce Fuel, Commodities, and Food from CO <sub>2</sub> . <i>Cell Reports Physical Science</i> , 2020, 1, 100223.	5.6	13
21	Evolthon: A community endeavor to evolve lab evolution. <i>PLoS Biology</i> , 2019, 17, e3000182.	5.6	10
22	Protection following BNT162b2 booster in adolescents substantially exceeds that of a fresh 2-dose vaccine. <i>Nature Communications</i> , 2022, 13, 1971.	12.8	10
23	Opportunistic Use of Banana Flower Bracts by <i>Glossophaga soricina</i> . <i>Acta Chiropterologica</i> , 2016, 18, 209-213.	0.6	8