

# Thomas S Blacker

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6678085/publications.pdf>

Version: 2024-02-01

21  
papers

2,305  
citations

759190

12  
h-index

752679

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

4474  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellular and molecular mechanisms of mitochondrial function. Best Practice and Research in Clinical Endocrinology and Metabolism, 2012, 26, 711-723.	4.7	542
2	Separating NADH and NADPH fluorescence in live cells and tissues using FLIM. Nature Communications, 2014, 5, 3936.	12.8	428
3	Reversal of Mitochondrial Transhydrogenase Causes Oxidative Stress in Heart Failure. Cell Metabolism, 2015, 22, 472-484.	16.2	307
4	Investigating mitochondrial redox state using NADH and NADPH autofluorescence. Free Radical Biology and Medicine, 2016, 100, 53-65.	2.9	266
5	Diabetes causes marked inhibition of mitochondrial metabolism in pancreatic $\beta$ -cells. Nature Communications, 2019, 10, 2474.	12.8	223
6	The mitochondrial calcium uniporter regulates breast cancer progression via $\text{HIF}1\alpha$ . EMBO Molecular Medicine, 2016, 8, 569-585.	6.9	195
7	NADH Shuttling Couples Cytosolic Reductive Carboxylation of Glutamine with Glycolysis in Cells with Mitochondrial Dysfunction. Molecular Cell, 2018, 69, 581-593.e7.	9.7	171
8	Activated barrier crossing dynamics in the non-radiative decay of NADH and NADPH. Chemical Physics, 2013, 422, 184-194.	1.9	54
9	Polarized Two-Photon Absorption and Heterogeneous Fluorescence Dynamics in NAD(P)H. Journal of Physical Chemistry B, 2019, 123, 4705-4717.	2.6	18
10	Photoactivated cell-killing involving a low molecular weight, donor-acceptor diphenylacetylene. Chemical Science, 2019, 10, 4673-4683.	7.4	17
11	Decellularized Cartilage Directs Chondrogenic Differentiation: Creation of a Fracture Callus Mimetic. Tissue Engineering - Part A, 2018, 24, 1364-1376.	3.1	15
12	CHCHD4 regulates tumour proliferation and EMT-related phenotypes, through respiratory chain-mediated metabolism. Cancer & Metabolism, 2019, 7, 7.	5.0	13
13	Assessment of Cellular Redox State Using NAD(P)H Fluorescence Intensity and Lifetime. Bio-protocol, 2017, 7, .	0.4	11
14	Investigating State Restriction in Fluorescent Protein FRET Using Time-Resolved Fluorescence and Anisotropy. Journal of Physical Chemistry C, 2017, 121, 1507-1514.	3.1	9
15	Multiphoton NAD(P)H FLIM reveals metabolic changes in individual cell types of the intact cochlea upon sensorineural hearing loss. Scientific Reports, 2019, 9, 18907.	3.3	9
16	Metabolic Profiling of Live Cancer Tissues Using NAD(P)H Fluorescence Lifetime Imaging. Methods in Molecular Biology, 2019, 1928, 365-387.	0.9	8
17	Polarized two-photon photoselection in EGFP: Theory and experiment. Journal of Chemical Physics, 2018, 148, 134311.	3.0	6
18	Cellular localisation of structurally diverse diphenylacetylene fluorophores. Organic and Biomolecular Chemistry, 2020, 18, 9231-9245.	2.8	6

#	ARTICLE	IF	CITATIONS
19	Characterizing Metabolic States Using Fluorescence Lifetime Imaging Microscopy (FLIM) of NAD(P)H. <i>NeuroMethods</i> , 2017, , 133-150.	0.3	3
20	Time-resolved stimulated emission depletion and energy transfer dynamics in two-photon excited EGFP. <i>Journal of Chemical Physics</i> , 2018, 148, 134312.	3.0	3
21	Quadrupole and hexadecapole transition dipole moment alignment in fluorescent protein Homo-FRET. , 2018, , .		0