

# Oliver D K Maddocks

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5053626/publications.pdf>

Version: 2024-02-01

38  
papers

5,505  
citations

236833

25  
h-index

302012

39  
g-index

44  
all docs

44  
docs citations

44  
times ranked

9118  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of Tumor Redox Status through ( <i>S</i> )-4-(3-[ <sup>18</sup> F]fluoropropyl)-L-Glutamic Acid PET Imaging of System xc <sup>-</sup> Activity. <i>Cancer Research</i> , 2022, 79, 853-863.	0.4	42
2	Mitochondrial ROS signalling requires uninterrupted electron flow and is lost during ageing in flies. <i>GeroScience</i> , 2022, 44, 1961-1974.	2.1	10
3	Global metabolic alterations in colorectal cancer cells during irinotecan-induced DNA replication stress. <i>Cancer &amp; Metabolism</i> , 2022, 10, .	2.4	8
4	Engineered diets to improve cancer outcomes. <i>Current Opinion in Biotechnology</i> , 2021, 70, 29-35.	3.3	8
5	mTORC1 activity is supported by spatial association with focal adhesions. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	41
6	Supply and demand: Cellular nutrient uptake and exchange in cancer. <i>Molecular Cell</i> , 2021, 81, 3731-3748.	4.5	18
7	Serine synthesis pathway inhibition cooperates with dietary serine and glycine limitation for cancer therapy. <i>Nature Communications</i> , 2021, 12, 366.	5.8	138
8	Polyamine pathway activity promotes cysteine essentiality in cancer cells. <i>Nature Metabolism</i> , 2020, 2, 1062-1076.	5.1	35
9	Metabolic cross-feeding in imbalanced diets allows gut microbes to improve reproduction and alter host behaviour. <i>Nature Communications</i> , 2020, 11, 4236.	5.8	84
10	SERineALanine Killer: SPT promiscuity inhibits tumour growth via intra-tumoral deoxysphingolipid production. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 274.	7.1	0
11	The creatineâ€“phosphagen system is mechanoresponsive in pancreatic adenocarcinoma and fuels invasion and metastasis. <i>Nature Metabolism</i> , 2020, 2, 62-80.	5.1	96
12	The KRAS-BCAA-BCAT2 axis in PDAC development. <i>Nature Cell Biology</i> , 2020, 22, 139-140.	4.6	5
13	Use of <sup>13</sup> C <sup>15</sup> N <sup>1</sup> -Serine or <sup>13</sup> C <sup>15</sup> N <sup>1</sup> -Methionine for Studying Methylation Dynamics in Cancer Cell Metabolism and Epigenetics. <i>Methods in Molecular Biology</i> , 2019, 1928, 55-67.	0.4	2
14	Measurement of Tumor Antioxidant Capacity and Prediction of Chemotherapy Resistance in Preclinical Models of Ovarian Cancer by Positron Emission Tomography. <i>Clinical Cancer Research</i> , 2019, 25, 2471-2482.	3.2	32
15	Direct Estimation of Metabolic Flux by Heavy Isotope Labeling Simultaneous with Pathway Inhibition: Metabolic Flux Inhibition Assay. <i>Methods in Molecular Biology</i> , 2019, 1862, 109-119.	0.4	2
16	A Neuronal Relay Mediates a Nutrient Responsive Gut/Fat Body Axis Regulating Energy Homeostasis in Adult <i>Drosophila</i> . <i>Cell Metabolism</i> , 2019, 29, 269-284.e10.	7.2	68
17	Metabolic tracing reveals novel adaptations to skeletal muscle cell energy production pathways in response to NAD <sup>+</sup> depletion. <i>Wellcome Open Research</i> , 2018, 3, 147.	0.9	14
18	p53-mediated adaptation to serine starvation is retained by a common tumour-derived mutant. <i>Cancer &amp; Metabolism</i> , 2018, 6, 18.	2.4	36

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19	Metabolic tracing reveals novel adaptations to skeletal muscle cell energy production pathways in response to NAD <sup>+</sup> depletion. Wellcome Open Research, 2018, 3, 147.	0.9	17
20	Modulating the therapeutic response of tumours to dietary serine and glycine starvation. Nature, 2017, 544, 372-376.	13.7	449
21	One-carbon metabolism in cancer. British Journal of Cancer, 2017, 116, 1499-1504.	2.9	318
22	Serine and Functional Metabolites in Cancer. Trends in Cell Biology, 2017, 27, 645-657.	3.6	138
23	Persistent mTORC1 signaling in cell senescence results from defects in amino acid and growth factor sensing. Journal of Cell Biology, 2017, 216, 1949-1957.	2.3	106
24	Serine one-carbon catabolism with formate overflow. Science Advances, 2016, 2, e1601273.	4.7	128
25	Serine Metabolism Supports the Methionine Cycle and DNA/RNA Methylation through De Novo ATP Synthesis in Cancer Cells. Molecular Cell, 2016, 61, 210-221.	4.5	320
26	Control of TSC2-Rheb signaling axis by arginine regulates mTORC1 activity. ELife, 2016, 5, .	2.8	147
27	<sc>PHD</sc> 1 regulates p53-mediated colorectal cancer chemoresistance. EMBO Molecular Medicine, 2015, 7, 1350-1365.	3.3	43
28	A roadmap for interpreting 13 C metabolite labeling patterns from cells. Current Opinion in Biotechnology, 2015, 34, 189-201.	3.3	513
29	iRFP is a sensitive marker for cell number and tumor growth in high-throughput systems. Cell Cycle, 2014, 13, 220-226.	1.3	34
30	Serine, but Not Glycine, Supports One-Carbon Metabolism and Proliferation of Cancer Cells. Cell Reports, 2014, 7, 1248-1258.	2.9	468
31	Localization of NADPH Production: A Wheel within a Wheel. Molecular Cell, 2014, 55, 158-160.	4.5	23
32	Metabolic Regulation by p53 Family Members. Cell Metabolism, 2013, 18, 617-633.	7.2	388
33	Serine starvation induces stress and p53-dependent metabolic remodelling in cancer cells. Nature, 2013, 493, 542-546.	13.7	773
34	An Escherichia coli Effector Protein Promotes Host Mutation via Depletion of DNA Mismatch Repair Proteins. MBio, 2013, 4, e00152-13.	1.8	77
35	Serine is a natural ligand and allosteric activator of pyruvate kinase M2. Nature, 2012, 491, 458-462.	13.7	519
36	Metabolic regulation by p53. Journal of Molecular Medicine, 2011, 89, 237-245.	1.7	272

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37	Attaching and Effacing Escherichia coli Downregulate DNA Mismatch Repair Protein In Vitro and Are Associated with Colorectal Adenocarcinomas in Humans. PLoS ONE, 2009, 4, e5517.	1.1	114
38	Effects on kidney disease, fertility and development in mice inheriting a protein-truncating Denys-Drash syndrome allele (Wt1 tmT396). Transgenic Research, 2008, 17, 459-475.	1.3	5