

# 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

236925

25  
h-index

302126

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.  | 0.9  | 42        |
| 2  | Mitochondrial ROS signalling requires uninterrupted electron flow and is lost during ageing in flies. <i>GeroScience</i> , 2022, 44, 1961-1974.   | 4.6  | 10        |
| 3  | Global metabolic alterations in colorectal cancer cells during irinotecan-induced DNA replication stress. <i>Cancer &amp; Metabolism</i> , 2022, 10, .  | 5.0  | 8         |
| 4  | Engineered diets to improve cancer outcomes. <i>Current Opinion in Biotechnology</i> , 2021, 70, 29-35.   | 6.6  | 8         |
| 5  | mTORC1 activity is supported by spatial association with focal adhesions. <i>Journal of Cell Biology</i> , 2021, 220, .   | 5.2  | 41        |
| 6  | Supply and demand: Cellular nutrient uptake and exchange in cancer. <i>Molecular Cell</i> , 2021, 81, 3731-3748.  | 9.7  | 18        |
| 7  | Serine synthesis pathway inhibition cooperates with dietary serine and glycine limitation for cancer therapy. <i>Nature Communications</i> , 2021, 12, 366.   | 12.8 | 138       |
| 8  | Polyamine pathway activity promotes cysteine essentiality in cancer cells. <i>Nature Metabolism</i> , 2020, 2, 1062-1076.   | 11.9 | 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.  | 12.8 | 84        |
| 10 | SERineALanine Killer: SPT promiscuity inhibits tumour growth via intra-tumoral deoxysphingolipid production. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 274.  | 17.1 | 0         |
| 11 | The creatineâ€“phosphagen system is mechanoresponsive in pancreatic adenocarcinoma and fuels invasion and metastasis. <i>Nature Metabolism</i> , 2020, 2, 62-80.  | 11.9 | 96        |
| 12 | The KRAS-BCAA-BCAT2 axis in PDAC development. <i>Nature Cell Biology</i> , 2020, 22, 139-140.   | 10.3 | 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. | 0.9  | 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.   | 7.0  | 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.   | 0.9  | 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.  | 16.2 | 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.   | 1.8  | 14        |
| 18 | p53-mediated adaptation to serine starvation is retained by a common tumour-derived mutant. <i>Cancer &amp; Metabolism</i> , 2018, 6, 18.   | 5.0  | 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. | 1.8  | 17        |
| 20 | Modulating the therapeutic response of tumours to dietary serine and glycine starvation. Nature, 2017, 544, 372-376.  | 27.8 | 449       |
| 21 | One-carbon metabolism in cancer. British Journal of Cancer, 2017, 116, 1499-1504.   | 6.4  | 318       |
| 22 | Serine and Functional Metabolites in Cancer. Trends in Cell Biology, 2017, 27, 645-657.   | 7.9  | 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.                     | 5.2  | 106       |
| 24 | Serine one-carbon catabolism with formate overflow. Science Advances, 2016, 2, e1601273.  | 10.3 | 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.                       | 9.7  | 320       |
| 26 | Control of TSC2-Rheb signaling axis by arginine regulates mTORC1 activity. ELife, 2016, 5, .  | 6.0  | 147       |
| 27 | <sc>PHD</sc> 1 regulates p53-mediated colorectal cancer chemoresistance. EMBO Molecular Medicine, 2015, 7, 1350-1365.   | 6.9  | 43        |
| 28 | A roadmap for interpreting 13 C metabolite labeling patterns from cells. Current Opinion in Biotechnology, 2015, 34, 189-201.   | 6.6  | 513       |
| 29 | iRFP is a sensitive marker for cell number and tumor growth in high-throughput systems. Cell Cycle, 2014, 13, 220-226.  | 2.6  | 34        |
| 30 | Serine, but Not Glycine, Supports One-Carbon Metabolism and Proliferation of Cancer Cells. Cell Reports, 2014, 7, 1248-1258.  | 6.4  | 468       |
| 31 | Localization of NADPH Production: A Wheel within a Wheel. Molecular Cell, 2014, 55, 158-160.  | 9.7  | 23        |
| 32 | Metabolic Regulation by p53 Family Members. Cell Metabolism, 2013, 18, 617-633.   | 16.2 | 388       |
| 33 | Serine starvation induces stress and p53-dependent metabolic remodelling in cancer cells. Nature, 2013, 493, 542-546.   | 27.8 | 773       |
| 34 | An Escherichia coli Effector Protein Promotes Host Mutation via Depletion of DNA Mismatch Repair Proteins. MBio, 2013, 4, e00152-13.  | 4.1  | 77        |
| 35 | Serine is a natural ligand and allosteric activator of pyruvate kinase M2. Nature, 2012, 491, 458-462.  | 27.8 | 519       |
| 36 | Metabolic regulation by p53. Journal of Molecular Medicine, 2011, 89, 237-245.  | 3.9  | 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. | 2.5 | 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.    | 2.4 | 5         |