

# Sofia Moco

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1519088/publications.pdf>

Version: 2024-02-01

66  
papers

4,650  
citations

159585

30  
h-index

123424

61  
g-index

71  
all docs

71  
docs citations

71  
times ranked

7962  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Studying Metabolism by NMR-Based Metabolomics. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 882487.  | 3.5  | 26        |
| 2  | Nicotinamide Riboside and Dihyronicotinic Acid Riboside Synergistically Increase Intracellular NAD <sup>+</sup> by Generating Dihyronicotinamide Riboside. <i>Nutrients</i> , 2022, 14, 2752.                | 4.1  | 7         |
| 3  | Biomarker-based validity of a food frequency questionnaire estimating intake in Brazilian children and adolescents. <i>International Journal of Food Sciences and Nutrition</i> , 2021, 72, 236-247.         | 2.8  | 7         |
| 4  | Network medicine framework shows that proximity of polyphenol targets and disease proteins predicts therapeutic effects of polyphenols. <i>Nature Food</i> , 2021, 2, 143-155.                               | 14.0 | 57        |
| 5  | Contribution of genetic ancestry and polygenic risk score in meeting vitamin B12 needs in healthy Brazilian children and adolescents. <i>Scientific Reports</i> , 2021, 11, 11992.                           | 3.3  | 5         |
| 6  | DNA Damage, n-3 Long-Chain PUFA Levels and Proteomic Profile in Brazilian Children and Adolescents. <i>Nutrients</i> , 2021, 13, 2483.   | 4.1  | 2         |
| 7  | A Method to Monitor the NAD <sup>+</sup> Metabolome—From Mechanistic to Clinical Applications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10598.   | 4.1  | 13        |
| 8  | Factors affecting intake, metabolism and health benefits of phenolic acids: do we understand individual variability?. <i>European Journal of Nutrition</i> , 2020, 59, 1275-1293.                            | 3.9  | 110       |
| 9  | SUCLA2 mutations cause global protein succinylation contributing to the pathomechanism of a hereditary mitochondrial disease. <i>Nature Communications</i> , 2020, 11, 5927.                                 | 12.8 | 35        |
| 10 | Augmented mitochondrial energy metabolism is an early response to chronic glucose stress in human pancreatic beta cells. <i>Diabetologia</i> , 2020, 63, 2628-2640.  | 6.3  | 24        |
| 11 | DNA damage is inversely associated to blood levels of DHA and EPA fatty acids in Brazilian children and adolescents. <i>Food and Function</i> , 2020, 11, 5115-5121.   | 4.6  | 6         |
| 12 | AlpsNMR: an R package for signal processing of fully untargeted NMR-based metabolomics. <i>Bioinformatics</i> , 2020, 36, 2943-2945.   | 4.1  | 19        |
| 13 | Resistance to lean mass gain in constitutional thinness in free-living conditions is not overpassed by overfeeding. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 1187-1199.                 | 7.3  | 14        |
| 14 | Metabo groups in response to micronutrient intervention: Pilot study. <i>Food Science and Nutrition</i> , 2020, 8, 683-693.  | 3.4  | 4         |
| 15 | Metabolic Groups Related to Blood Vitamin Levels and Inflammatory Biomarkers in Brazilian Children and Adolescents. <i>Journal of Nutritional Science and Vitaminology</i> , 2020, 66, 515-525.              | 0.6  | 2         |
| 16 | Endogenous nicotinamide riboside metabolism protects against diet-induced liver damage. <i>Nature Communications</i> , 2019, 10, 4291.   | 12.8 | 30        |
| 17 | A reduced form of nicotinamide riboside defines a new path for NAD <sup>+</sup> biosynthesis and acts as an orally bioavailable NAD <sup>+</sup> precursor. <i>Molecular Metabolism</i> , 2019, 30, 192-202. | 6.5  | 89        |
| 18 | Front cover: Vegan and Animal Meal Composition and Timing Influence Glucose and Lipid Related Postprandial Metabolic Profiles. <i>Molecular Nutrition and Food Research</i> , 2019, 63, 1970013.             | 3.3  | 3         |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Vegan and animal meal composition and timing influence glucose and lipid related postprandial metabolic profiles. <i>Molecular Nutrition and Food Research</i> , 2019, 63, 1800568.                                       | 3.3  | 5         |
| 20 | Mitochondrial oxidative capacity and NAD <sup>+</sup> biosynthesis are reduced in human sarcopenia across ethnicities. <i>Nature Communications</i> , 2019, 10, 5808.   | 12.8 | 159       |
| 21 | Vitamin B2 and Folate Concentrations are Associated with ARA, EPA and DHA Fatty Acids in Red Blood Cells of Brazilian Children and Adolescents. <i>Nutrients</i> , 2019, 11, 2918.  | 4.1  | 16        |
| 22 | Resveratrol and Its Human Metabolites—Effects on Metabolic Health and Obesity. <i>Nutrients</i> , 2019, 11, 143.  | 4.1  | 178       |
| 23 | A computationally driven analysis of the polyphenol-protein interactome. <i>Scientific Reports</i> , 2018, 8, 2232.   | 3.3  | 59        |
| 24 | AMPK promotes survival of c-Myc-positive melanoma cells by suppressing oxidative stress. <i>EMBO Journal</i> , 2018, 37, .  | 7.8  | 34        |
| 25 | A 48-Hour Vegan Diet Challenge in Healthy Women and Men Induces a BRNCH-Chain Amino Acid Related, Health Associated, Metabolic Signature. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700703.               | 3.3  | 25        |
| 26 | Front cover: In Vitro Gut Metabolism of [U-13 C]-Quinic Acid, The Other Hydrolysis Product of Chlorogenic Acid. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1870094.   | 3.3  | 0         |
| 27 | Menstrual cycle rhythmicity: metabolic patterns in healthy women. <i>Scientific Reports</i> , 2018, 8, 14568.   | 3.3  | 114       |
| 28 | Validation of the Brazilian Healthy Eating Index-Revised Using Biomarkers in Children and Adolescents. <i>Nutrients</i> , 2018, 10, 154.  | 4.1  | 22        |
| 29 | In Vitro Gut Metabolism of [ <sup>13</sup> C]-Quinic Acid, The Other Hydrolysis Product of Chlorogenic Acid. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1800396.   | 3.3  | 23        |
| 30 | Optimized selection of liquid chromatography conditions for wide range analysis of natural compounds. <i>Journal of Chromatography A</i> , 2017, 1504, 91-104.  | 3.7  | 28        |
| 31 | Role of sulfotransferases in resveratrol metabolism in human adipocytes. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1700020.  | 3.3  | 15        |
| 32 | Ultra-high performance supercritical fluid chromatography coupled with quadrupole-time-of-flight mass spectrometry as a performing tool for bioactive analysis. <i>Journal of Chromatography A</i> , 2016, 1450, 101-111. | 3.7  | 56        |
| 33 | Standardized LC—LC-ELSD Fractionation Procedure for the Identification of Minor Bioactives via the Enzymatic Screening of Natural Extracts. <i>Journal of Natural Products</i> , 2016, 79, 2856-2864.                     | 3.0  | 7         |
| 34 | Combining the full potential of UHPSFC-QToF/MS and UHPLC-QToF/MS to improve the workflow efficiency of both plant metabolic profiling and natural bioactive discovery. <i>Planta Medica</i> , 2016, 81, S1-S381.          | 1.3  | 1         |
| 35 | Natural product research in the food context. <i>Planta Medica</i> , 2016, 81, S1-S381.   | 1.3  | 0         |
| 36 | Improving the detection of plant bioactive compounds by coupling a semi-preparative 2D-LCxLC system to an HTS platform. <i>Planta Medica</i> , 2016, 81, S1-S381.   | 1.3  | 0         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Advanced technologies for exploring the chemical and functional properties of bioactive constituents in food. <i>Planta Medica</i> , 2016, 81, S1-S381.  | 1.3 | 0         |
| 38 | Metabonomics in Clinical Practice. <i>Molecular and Integrative Toxicology</i> , 2015, , 25-44.  | 0.5 | 1         |
| 39 | Can We Use Metabolomics to Understand Changes to Gut Microbiota Populations and Function? A Nutritional Perspective. <i>Molecular and Integrative Toxicology</i> , 2015, , 83-108.   | 0.5 | 6         |
| 40 | Impact of breast-feeding and high- and low-protein formula on the metabolism and growth of infants from overweight and obese mothers. <i>Pediatric Research</i> , 2014, 75, 535-543.   | 2.3 | 52        |
| 41 | Reprint of: Musculoskeletal system in the old age and the demand for healthy ageing biomarkers. <i>Mechanisms of Ageing and Development</i> , 2014, 136-137, 94-100.   | 4.6 | 9         |
| 42 | Systems Biology Approaches for Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 2104-2114.   | 1.9 | 32        |
| 43 | Musculoskeletal system in the old age and the demand for healthy ageing biomarkers. <i>Mechanisms of Ageing and Development</i> , 2013, 134, 541-547.  | 4.6 | 32        |
| 44 | MetIDB: A Publicly Accessible Database of Predicted and Experimental <sup>1</sup> H NMR Spectra of Flavonoids. <i>Analytical Chemistry</i> , 2013, 85, 8700-8707.  | 6.5 | 23        |
| 45 | A Whole-Grain-Rich Diet Reduces Urinary Excretion of Markers of Protein Catabolism and Gut Microbiota Metabolism in Healthy Men after One Week. <i>Journal of Nutrition</i> , 2013, 143, 766-773.                                | 2.9 | 40        |
| 46 | Metabolomics in nutrition. , 2013, , 106-123.  |     | 0         |
| 47 | Metabolomics perspectives in pediatric research. <i>Pediatric Research</i> , 2013, 73, 570-576.  | 2.3 | 58        |
| 48 | High-Resolution Quantitative Metabolome Analysis of Urine by Automated Flow Injection NMR. <i>Analytical Chemistry</i> , 2013, 85, 5801-5809.  | 6.5 | 36        |
| 49 | Topographical Body Fat Distribution Links to Amino Acid and Lipid Metabolism in Healthy Non-Obese Women. <i>PLoS ONE</i> , 2013, 8, e73445.  | 2.5 | 34        |
| 50 | Metabolomics View on Gut Microbiome Modulation by Polyphenol-rich Foods. <i>Journal of Proteome Research</i> , 2012, 11, 4781-4790.  | 3.7 | 204       |
| 51 | 220 PFKFB4 is Essential for Prostate Cancer Cell Survival by Maintaining the Balance Between the Use of Glucose for Energy Generation and the Synthesis of Anti-oxidants. <i>European Journal of Cancer</i> , 2012, 48, S53-S54. | 2.8 | 0         |
| 52 | Specific Dietary Preferences Are Linked to Differing Gut Microbial Metabolic Activity in Response to Dark Chocolate Intake. <i>Journal of Proteome Research</i> , 2012, 11, 6252-6263.   | 3.7 | 44        |
| 53 | Functional Metabolic Screen Identifies 6-Phosphofructo-2-Kinase/Fructose-2,6-Biphosphatase 4 as an Important Regulator of Prostate Cancer Cell Survival. <i>Cancer Discovery</i> , 2012, 2, 328-343.                             | 9.4 | 174       |
| 54 | Chemical Identification Strategies Using Liquid Chromatography-Photodiode Array-Solid-Phase Extraction-Nuclear Magnetic Resonance/Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2011, 860, 287-316.                   | 0.9 | 15        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 55 | Ultrahigh Performance Liquid Chromatography-Tandem Mass Spectrometry Method for Fast and Robust Quantification of Anionic and Aromatic Metabolites. <i>Analytical Chemistry</i> , 2010, 82, 4403-4412.           | 6.5  | 317       |
| 56 | An inter-laboratory comparison demonstrates that <sup>1</sup> H-NMR metabolite fingerprinting is a robust technique for collaborative plant metabolomic data collection. <i>Metabolomics</i> , 2010, 6, 263-273. | 3.0  | 86        |
| 57 | LC-MS-SPE-NMR for the Isolation and Characterization of <i>neo</i> -Clerodane Diterpenoids from <i>Teucrium luteum</i> subsp. <i>flavovirens</i> . <i>Journal of Natural Products</i> , 2010, 73, 962-965.       | 3.0  | 30        |
| 58 | Plant Micrometabolomics: The Analysis of Endogenous Metabolites Present in a Plant Cell or Tissue. <i>Journal of Proteome Research</i> , 2009, 8, 1694-1703.   | 3.7  | 72        |
| 59 | Recombinant expression and functional characterisation of regiospecific flavonoid glucosyltransferases from <i>Hieracium pilosella</i> L. <i>Planta</i> , 2009, 229, 1135-1146.                                  | 3.2  | 31        |
| 60 | Intra- and inter-metabolite correlation spectroscopy of tomato metabolomics data obtained by liquid chromatography-mass spectrometry and nuclear magnetic resonance. <i>Metabolomics</i> , 2008, 4, 202-215.     | 3.0  | 74        |
| 61 | Tissue specialization at the metabolite level is perceived during the development of tomato fruit. <i>Journal of Experimental Botany</i> , 2007, 58, 4131-4146.  | 4.8  | 189       |
| 62 | Metabolomics technologies and metabolite identification. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 855-866.   | 11.4 | 309       |
| 63 | Untargeted large-scale plant metabolomics using liquid chromatography coupled to mass spectrometry. <i>Nature Protocols</i> , 2007, 2, 778-791.  | 12.0 | 803       |
| 64 | Building-Up a Comprehensive Database of Flavonoids Based on Nuclear Magnetic Resonance Data. <i>Chromatographia</i> , 2006, 64, 503-508.   | 1.3  | 32        |
| 65 | A Liquid Chromatography-Mass Spectrometry-Based Metabolome Database for Tomato. <i>Plant Physiology</i> , 2006, 141, 1205-1218.  | 4.8  | 522       |
| 66 | The light-hyperresponsive high pigment <i>ch2</i> dg mutation of tomato: alterations in the fruit metabolome. <i>New Phytologist</i> , 2005, 166, 427-438.   | 7.3  | 207       |