

Angelo D'Alessandro

List of Publications by Year in descending order

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Version: 2024-02-01

420
papers

18,762
citations

11639

70
h-index

25770

108
g-index

461
all docs

461
docs citations

461
times ranked

21858
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Venetoclax with azacitidine disrupts energy metabolism and targets leukemia stem cells in patients with acute myeloid leukemia. <i>Nature Medicine</i> , 2018, 24, 1859-1866. | 15.2 | 496 |
| 2 | COVID-19 infection alters kynurenine and fatty acid metabolism, correlating with IL-6 levels and renal status. <i>JCI Insight</i> , 2020, 5, . | 2.3 | 412 |
| 3 | Inhibition of Amino Acid Metabolism Selectively Targets Human Leukemia Stem Cells. <i>Cancer Cell</i> , 2018, 34, 724-740.e4. | 7.7 | 390 |
| 4 | OLT1177, a Î²-sulfonyl nitrile compound, safe in humans, inhibits the NLRP3 inflammasome and reverses the metabolic cost of inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1530-E1539. | 3.3 | 346 |
| 5 | An update on red blood cell storage lesions, as gleaned through biochemistry and omics technologies. <i>Transfusion</i> , 2015, 55, 205-219. | 0.8 | 297 |
| 6 | p53 Represses the Mevalonate Pathway to Mediate Tumor Suppression. <i>Cell</i> , 2019, 176, 564-580.e19. | 13.5 | 269 |
| 7 | Monocytic Subclones Confer Resistance to Venetoclax-Based Therapy in Patients with Acute Myeloid Leukemia. <i>Cancer Discovery</i> , 2020, 10, 536-551. | 7.7 | 252 |
| 8 | Red blood cell storage lesion: causes and potential clinical consequences. <i>Blood Transfusion</i> , 2019, 17, 27-52. | 0.3 | 234 |
| 9 | Time-course investigation of SAGM-stored leukocyte-filtered red blood cell concentrates: from metabolism to proteomics. <i>Haematologica</i> , 2012, 97, 107-115. | 1.7 | 220 |
| 10 | A TDO2-AhR Signaling Axis Facilitates Anoikis Resistance and Metastasis in Triple-Negative Breast Cancer. <i>Cancer Research</i> , 2015, 75, 4651-4664. | 0.4 | 216 |
| 11 | The TP53 Apoptotic Network Is a Primary Mediator of Resistance to BCL2 Inhibition in AML Cells. <i>Cancer Discovery</i> , 2019, 9, 910-925. | 7.7 | 215 |
| 12 | The gut microbiota in infants of obese mothers increases inflammation and susceptibility to NAFLD. <i>Nature Communications</i> , 2018, 9, 4462. | 5.8 | 205 |
| 13 | A three-minute method for high-throughput quantitative metabolomics and quantitative tracing experiments of central carbon and nitrogen pathways. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 663-673. | 0.7 | 203 |
| 14 | TNF-Î±-driven inflammation and mitochondrial dysfunction define the platelet hyperreactivity of aging. <i>Blood</i> , 2019, 134, 727-740. | 0.6 | 199 |
| 15 | Identification of MicroRNA-124 as a Major Regulator of Enhanced Endothelial Cell Glycolysis in Pulmonary Arterial Hypertension via PTBP1 (Polypyrimidine Tract Binding Protein) and Pyruvate Kinase M2. <i>Circulation</i> , 2017, 136, 2451-2467. | 1.6 | 195 |
| 16 | Evidence of Structural Protein Damage and Membrane Lipid Remodeling in Red Blood Cells from COVID-19 Patients. <i>Journal of Proteome Research</i> , 2020, 19, 4455-4469. | 1.8 | 189 |
| 17 | Cell-Intrinsic Glycogen Metabolism Supports Early Glycolytic Reprogramming Required for Dendritic Cell Immune Responses. <i>Cell Metabolism</i> , 2017, 26, 558-567.e5. | 7.2 | 188 |
| 18 | Oxidative modifications of glyceraldehyde 3-phosphate dehydrogenase regulate metabolic reprogramming of stored red blood cells. <i>Blood</i> , 2016, 128, e32-e42. | 0.6 | 183 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | High-Throughput Metabolomics: Isocratic and Gradient Mass Spectrometry-Based Methods. <i>Methods in Molecular Biology</i> , 2019, 1978, 13-26. | 0.4 | 176 |
| 20 | Metabolic and Proliferative State of Vascular Adventitial Fibroblasts in Pulmonary Hypertension Is Regulated Through a MicroRNA-124/PTBP1 (Polypyrimidine Tract Binding Protein 1)/Pyruvate Kinase Muscle Axis. <i>Circulation</i> , 2017, 136, 2468-2485. | 1.6 | 172 |
| 21 | The Red Blood Cell Proteome and Interactome: An Update. <i>Journal of Proteome Research</i> , 2010, 9, 144-163. | 1.8 | 170 |
| 22 | Sphingosine-1-phosphate promotes erythrocyte glycolysis and oxygen release for adaptation to high-altitude hypoxia. <i>Nature Communications</i> , 2016, 7, 12086. | 5.8 | 163 |
| 23 | Red blood cell storage and cell morphology. <i>Transfusion Medicine</i> , 2012, 22, 90-96. | 0.5 | 157 |
| 24 | MDM2 and MDMX promote ferroptosis by PPAR α -mediated lipid remodeling. <i>Genes and Development</i> , 2020, 34, 526-543. | 2.7 | 156 |
| 25 | Red blood cell storage: the story so far. <i>Blood Transfusion</i> , 2010, 8, 82-8. | 0.3 | 156 |
| 26 | Serum Proteomics in COVID-19 Patients: Altered Coagulation and Complement Status as a Function of IL-6 Level. <i>Journal of Proteome Research</i> , 2020, 19, 4417-4427. | 1.8 | 155 |
| 27 | miR-143 regulates hexokinase 2 expression in cancer cells. <i>Oncogene</i> , 2013, 32, 797-802. | 2.6 | 154 |
| 28 | The NLRP3 inflammasome inhibitor OLT1177 rescues cognitive impairment in a mouse model of Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32145-32154. | 3.3 | 150 |
| 29 | Chaperone-mediated autophagy sustains haematopoietic stem-cell function. <i>Nature</i> , 2021, 591, 117-123. | 13.7 | 145 |
| 30 | Cell Origin Dictates Programming of Resident versus Recruited Macrophages during Acute Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 57, 294-306. | 1.4 | 139 |
| 31 | Fatty acid metabolism underlies venetoclax resistance in acute myeloid leukemia stem cells. <i>Nature Cancer</i> , 2020, 1, 1176-1187. | 5.7 | 137 |
| 32 | Alterations of red blood cell metabolome during cold liquid storage of erythrocyte concentrates in CPD-SAGM. <i>Journal of Proteomics</i> , 2012, 76, 168-180. | 1.2 | 131 |
| 33 | Three-minute method for amino acid analysis by UHPLC and high-resolution quadrupole orbitrap mass spectrometry. <i>Amino Acids</i> , 2015, 47, 2345-2357. | 1.2 | 131 |
| 34 | Hypoxia modulates the purine salvage pathway and decreases red blood cell and supernatant levels of hypoxanthine during refrigerated storage. <i>Haematologica</i> , 2018, 103, 361-372. | 1.7 | 131 |
| 35 | Nicotinamide Metabolism Mediates Resistance to Venetoclax in Relapsed Acute Myeloid Leukemia Stem Cells. <i>Cell Stem Cell</i> , 2020, 27, 748-764.e4. | 5.2 | 130 |
| 36 | Meat science: From proteomics to integrated omics towards system biology. <i>Journal of Proteomics</i> , 2013, 78, 558-577. | 1.2 | 129 |

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|----|--|-----|-----------|
| 37 | Nobiletin fortifies mitochondrial respiration in skeletal muscle to promote healthy aging against metabolic challenge. <i>Nature Communications</i> , 2019, 10, 3923. | 5.8 | 123 |
| 38 | Cannabinoids inhibit energetic metabolism and induce AMPK-dependent autophagy in pancreatic cancer cells. <i>Cell Death and Disease</i> , 2013, 4, e664-e664. | 2.7 | 119 |
| 39 | Intracellular localization of diacylglycerols and sphingolipids influences insulin sensitivity and mitochondrial function in human skeletal muscle. <i>JCI Insight</i> , 2018, 3, . | 2.3 | 119 |
| 40 | Routine storage of red blood cell (<scp>RBC</scp>) units in additive solutionâ€³: a comprehensive investigation of the <scp>RBC</scp> metabolome. <i>Transfusion</i> , 2015, 55, 1155-1168. | 0.8 | 117 |
| 41 | Biomarkers defining the metabolic age of red blood cells during cold storage. <i>Blood</i> , 2016, 128, e43-e50. | 0.6 | 115 |
| 42 | Beneficial Role of Erythrocyte Adenosine A2B Receptorâ€“Mediated AMP-Activated Protein Kinase Activation in High-Altitude Hypoxia. <i>Circulation</i> , 2016, 134, 405-421. | 1.6 | 115 |
| 43 | Targeting Glutamine Metabolism and Redox State for Leukemia Therapy. <i>Clinical Cancer Research</i> , 2019, 25, 4079-4090. | 3.2 | 113 |
| 44 | Cysteine depletion targets leukemia stem cells through inhibition of electron transport complex II. <i>Blood</i> , 2019, 134, 389-394. | 0.6 | 108 |
| 45 | Love me tender: An Omics window on the bovine meat tenderness network. <i>Journal of Proteomics</i> , 2012, 75, 4360-4380. | 1.2 | 107 |
| 46 | Metabolic Reprogramming Regulates the Proliferative and Inflammatory Phenotype of Adventitial Fibroblasts in Pulmonary Hypertension Through the Transcriptional Corepressor C-Terminal Binding Protein-1. <i>Circulation</i> , 2016, 134, 1105-1121. | 1.6 | 107 |
| 47 | Blood-related proteomics. <i>Journal of Proteomics</i> , 2010, 73, 483-507. | 1.2 | 105 |
| 48 | Glucose 6-phosphate dehydrogenase deficient subjects may be better â€œstorersâ€• than donors of red blood cells. <i>Free Radical Biology and Medicine</i> , 2016, 96, 152-165. | 1.3 | 105 |
| 49 | Metabolomics in transfusion medicine. <i>Transfusion</i> , 2016, 56, 980-993. | 0.8 | 104 |
| 50 | Human Milk Proteins: An Interactomics and Updated Functional Overview. <i>Journal of Proteome Research</i> , 2010, 9, 3339-3373. | 1.8 | 103 |
| 51 | AltitudeOmics: Red Blood Cell Metabolic Adaptation to High Altitude Hypoxia. <i>Journal of Proteome Research</i> , 2016, 15, 3883-3895. | 1.8 | 98 |
| 52 | Meat quality of the longissimus lumborum muscle of Casertana and Large White pigs: Metabolomics and proteomics intertwined. <i>Journal of Proteomics</i> , 2011, 75, 610-627. | 1.2 | 96 |
| 53 | Untargeted and Semi-targeted Lipid Analysis of Biological Samples Using Mass Spectrometry-Based Metabolomics. <i>Methods in Molecular Biology</i> , 2019, 1978, 121-135. | 0.4 | 96 |
| 54 | Donor sex, age and ethnicity impact stored red blood cell antioxidant metabolism through mechanisms in part explained by glucose 6-phosphate dehydrogenase levels and activity. <i>Haematologica</i> , 2021, 106, 1290-1302. | 1.7 | 95 |

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|----|--|-----|-----------|
| 55 | Targeting tumor-derived NLRP3 reduces melanoma progression by limiting MDSCs expansion. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 95 |
| 56 | Citrate metabolism in red blood cells stored in additive solution. Transfusion, 2017, 57, 325-336. | 0.8 | 93 |
| 57 | A Role for Tryptophan-2,3-dioxygenase in CD8 T-cell Suppression and Evidence of Tryptophan Catabolism in Breast Cancer Patient Plasma. Molecular Cancer Research, 2019, 17, 131-139. | 1.5 | 92 |
| 58 | Cadmium Stress Responses in <i>Brassica juncea</i> : Hints from Proteomics and Metabolomics. Journal of Proteome Research, 2013, 12, 4979-4997. | 1.8 | 90 |
| 59 | Interleukin 37 reverses the metabolic cost of inflammation, increases oxidative respiration, and improves exercise tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2313-2318. | 3.3 | 87 |
| 60 | Chianina beef tenderness investigated through integrated Omics. Journal of Proteomics, 2012, 75, 4381-4398. | 1.2 | 85 |
| 61 | Viscoelastic measurements of platelet function, not fibrinogen function, predicts sensitivity to tissue plasminogen activator in trauma patients. Journal of Thrombosis and Haemostasis, 2015, 13, 1878-1887. | 1.9 | 85 |
| 62 | The bovine milk proteome: cherishing, nourishing and fostering molecular complexity. An interactomics and functional overview. Molecular BioSystems, 2011, 7, 579-597. | 2.9 | 83 |
| 63 | We Are What We Eat: Food Safety and Proteomics. Journal of Proteome Research, 2012, 11, 26-36. | 1.8 | 83 |
| 64 | Lymph formation, composition and circulation: a proteomics perspective. International Immunology, 2015, 27, 219-227. | 1.8 | 83 |
| 65 | ATM/G6PD-driven redox metabolism promotes FLT3 inhibitor resistance in acute myeloid leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6669-E6678. | 3.3 | 82 |
| 66 | Erythrocytes retain hypoxic adenosine response for faster acclimatization upon re-ascent. Nature Communications, 2017, 8, 14108. | 5.8 | 81 |
| 67 | Red blood cells as an organ? How deep omics characterization of the most abundant cell in the human body highlights other systemic metabolic functions beyond oxygen transport. Expert Review of Proteomics, 2018, 15, 855-864. | 1.3 | 81 |
| 68 | Proteome Changes in Platelets After Pathogen Inactivation: An Interlaboratory Consensus. Transfusion Medicine Reviews, 2014, 28, 72-83. | 0.9 | 80 |
| 69 | Widespread Backtracking by RNA Pol II Is a Major Effector of Gene Activation, 5' Pause Release, Termination, and Transcription Elongation Rate. Molecular Cell, 2019, 73, 107-118.e4. | 4.5 | 80 |
| 70 | Mitochondrial ATP fuels ABC transporter-mediated drug efflux in cancer chemoresistance. Nature Communications, 2021, 12, 2804. | 5.8 | 77 |
| 71 | Red blood cell metabolism under prolonged anaerobic storage. Molecular BioSystems, 2013, 9, 1196. | 2.9 | 76 |
| 72 | Red blood cell proteomics update: is there more to discover?. Blood Transfusion, 2017, 15, 182-187. | 0.3 | 76 |

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|----|--|------|-----------|
| 73 | Hemoglobin oxidation at functional amino acid residues during routine storage of red blood cells. <i>Transfusion</i> , 2016, 56, 421-426. | 0.8 | 75 |
| 74 | Macrophage-derived IL-1 β /NF- κ B signaling mediates parenteral nutrition-associated cholestasis. <i>Nature Communications</i> , 2018, 9, 1393. | 5.8 | 74 |
| 75 | In situ mapping identifies distinct vascular niches for myelopoiesis. <i>Nature</i> , 2021, 590, 457-462. | 13.7 | 74 |
| 76 | Preserved Proteins from Extinct Bison latifrons Identified by Tandem Mass Spectrometry; Hydroxylysine Glycosides are a Common Feature of Ancient Collagen. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1946-1958. | 2.5 | 73 |
| 77 | Trisomy 21 activates the kynurenine pathway via increased dosage of interferon receptors. <i>Nature Communications</i> , 2019, 10, 4766. | 5.8 | 73 |
| 78 | Hallmarks of Pulmonary Hypertension: Mesenchymal and Inflammatory Cell Metabolic Reprogramming. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 230-250. | 2.5 | 71 |
| 79 | Methylation of protein aspartates and deamidated asparagines as a function of blood bank storage and oxidative stress in human red blood cells. <i>Transfusion</i> , 2018, 58, 2978-2991. | 0.8 | 71 |
| 80 | Mitochondrial redox sensing by the kinase ATM maintains cellular antioxidant capacity. <i>Science Signaling</i> , 2018, 11, . | 1.6 | 71 |
| 81 | Heterogeneity of blood processing and storage additives in different centers impacts stored red blood cell metabolism as much as storage time: lessons from REDSâ€™Omics. <i>Transfusion</i> , 2019, 59, 89-100. | 0.8 | 71 |
| 82 | Donor glucose-6-phosphate dehydrogenase deficiency decreases blood quality for transfusion. <i>Journal of Clinical Investigation</i> , 2020, 130, 2270-2285. | 3.9 | 69 |
| 83 | Plasma succinate is a predictor of mortality in critically injured patients. <i>Journal of Trauma and Acute Care Surgery</i> , 2017, 83, 491-495. | 1.1 | 66 |
| 84 | Characterization and targeting of malignant stem cells in patients with advanced myelodysplastic syndromes. <i>Nature Communications</i> , 2018, 9, 3694. | 5.8 | 66 |
| 85 | The Hematopoietic Oxidase NOX2 Regulates Self-Renewal of Leukemic Stem Cells. <i>Cell Reports</i> , 2019, 27, 238-254.e6. | 2.9 | 65 |
| 86 | Differences in Steap3 expression are a mechanism of genetic variation of RBC storage and oxidative damage in mice. <i>Blood Advances</i> , 2019, 3, 2272-2285. | 2.5 | 65 |
| 87 | Glutaminase inhibition improves FLT3 inhibitor therapy for acute myeloid leukemia. <i>Experimental Hematology</i> , 2018, 58, 52-58. | 0.2 | 64 |
| 88 | Red blood cell storage in additive solutionâ€™7 preserves energy and redox metabolism: a metabolomics approach. <i>Transfusion</i> , 2015, 55, 2955-2966. | 0.8 | 63 |
| 89 | Pathologic metabolism. <i>Journal of Trauma and Acute Care Surgery</i> , 2015, 78, 742-751. | 1.1 | 62 |
| 90 | The AML microenvironment catalyzes a stepwise evolution to gilteritinib resistance. <i>Cancer Cell</i> , 2021, 39, 999-1014.e8. | 7.7 | 62 |

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|-----|--|-----|-----------|
| 91 | Fine-Tuning of CD8 + T Cell Mitochondrial Metabolism by the Respiratory Chain Repressor MCJ Dictates Protection to Influenza Virus. <i>Immunity</i> , 2016, 44, 1299-1311. | 6.6 | 61 |
| 92 | Metabolomics assessment reveals oxidative stress and altered energy production in the heart after ischemic acute kidney injury in mice. <i>Kidney International</i> , 2019, 95, 590-610. | 2.6 | 61 |
| 93 | Constitutive Reprogramming of Fibroblast Mitochondrial Metabolism in Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 47-57. | 1.4 | 59 |
| 94 | The plasma metabolome as a predictor of biological aging in humans. <i>GeroScience</i> , 2019, 41, 895-906. | 2.1 | 59 |
| 95 | Proteomics and Transcriptomics Investigation on <i>longissimus</i> Muscles in Large White and Casertana Pig Breeds. <i>Journal of Proteome Research</i> , 2010, 9, 6450-6466. | 1.8 | 58 |
| 96 | Metabolomics Analysis of Human Vitreous in Diabetic Retinopathy and Rhegmatogenous Retinal Detachment. <i>Journal of Proteome Research</i> , 2018, 17, 2421-2427. | 1.8 | 58 |
| 97 | Interactions between host genetics and gut microbiota determine susceptibility to CNS autoimmunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27516-27527. | 3.3 | 58 |
| 98 | Early hemorrhage triggers metabolic responses that build up during prolonged shock. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 308, R1034-R1044. | 0.9 | 57 |
| 99 | Adaptive remodeling of skeletal muscle energy metabolism in high-altitude hypoxia: Lessons from AltitudeOmics. <i>Journal of Biological Chemistry</i> , 2018, 293, 6659-6671. | 1.6 | 57 |
| 100 | Specialized interferon action in COVID-19. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, . | 3.3 | 56 |
| 101 | Very long chain fatty acid metabolism is required in acute myeloid leukemia. <i>Blood</i> , 2021, 137, 3518-3532. | 0.6 | 55 |
| 102 | Effects of aged stored autologous red blood cells on human plasma metabolome. <i>Blood Advances</i> , 2019, 3, 884-896. | 2.5 | 54 |
| 103 | Storing red blood cells with vitamin C and N-acetylcysteine prevents oxidative stress-related lesions: a metabolomics overview. <i>Blood Transfusion</i> , 2014, 12, 376-87. | 0.3 | 53 |
| 104 | Skeletal muscle phosphatidylcholine and phosphatidylethanolamine are related to insulin sensitivity and respond to acute exercise in humans. <i>Journal of Applied Physiology</i> , 2016, 120, 1355-1363. | 1.2 | 52 |
| 105 | Red blood cell metabolic responses to refrigerated storage, rejuvenation, and frozen storage. <i>Transfusion</i> , 2017, 57, 1019-1030. | 0.8 | 52 |
| 106 | Hydroxylamine Chemical Digestion for Insoluble Extracellular Matrix Characterization. <i>Journal of Proteome Research</i> , 2017, 16, 4177-4184. | 1.8 | 52 |
| 107 | Metabolism of Citrate and Other Carboxylic Acids in Erythrocytes As a Function of Oxygen Saturation and Refrigerated Storage. <i>Frontiers in Medicine</i> , 2017, 4, 175. | 1.2 | 52 |
| 108 | The STAT3-MYC axis promotes survival of leukemia stem cells by regulating SLC1A5 and oxidative phosphorylation. <i>Blood</i> , 2022, 139, 584-596. | 0.6 | 51 |

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|-----|---|-----|-----------|
| 109 | CO ₂ -dependent metabolic modulation in red blood cells stored under anaerobic conditions. <i>Transfusion</i> , 2016, 56, 392-403. | 0.8 | 50 |
| 110 | Metabolic effect of TAp63 \pm : enhanced glycolysis and pentose phosphate pathway, resulting in increased antioxidant defense. <i>Oncotarget</i> , 2014, 5, 7722-7733. | 0.8 | 50 |
| 111 | Reversal of Triple-Negative Breast Cancer EMT by miR-200c Decreases Tryptophan Catabolism and a Program of Immunosuppression. <i>Molecular Cancer Research</i> , 2019, 17, 30-41. | 1.5 | 49 |
| 112 | Time-efficient Inspiratory Muscle Strength Training Lowers Blood Pressure and Improves Endothelial Function, NO Bioavailability, and Oxidative Stress in Midlife/Older Adults With Above-normal Blood Pressure. <i>Journal of the American Heart Association</i> , 2021, 10, e020980. | 1.6 | 49 |
| 113 | The role of antenatal immunoprophylaxis in the prevention of maternal-foetal anti-Rh(D) alloimmunisation. <i>Blood Transfusion</i> , 2010, 8, 8-16. | 0.3 | 49 |
| 114 | Chronological storage age and metabolic age of stored red blood cells: are they the same?. <i>Transfusion</i> , 2019, 59, 1620-1623. | 0.8 | 48 |
| 115 | Omics markers of the red cell storage lesion and metabolic linkage. <i>Blood Transfusion</i> , 2017, 15, 137-144. | 0.3 | 48 |
| 116 | Structural and Functional Insight of Sphingosine 1-Phosphate-Mediated Pathogenic Metabolic Reprogramming in Sickle Cell Disease. <i>Scientific Reports</i> , 2017, 7, 15281. | 1.6 | 47 |
| 117 | Red blood cell metabolism in Rhesus macaques and humans: comparative biology of blood storage. <i>Haematologica</i> , 2020, 105, 2174-2186. | 1.7 | 46 |
| 118 | Acute Cycling Exercise Induces Changes in Red Blood Cell Deformability and Membrane Lipid Remodeling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 896. | 1.8 | 46 |
| 119 | Metabolomics of AS \leq RBC supernatants following routine storage. <i>Vox Sanguinis</i> , 2015, 108, 131-140. | 0.7 | 45 |
| 120 | Erythrocyte Metabolic Reprogramming by Sphingosine 1-Phosphate in Chronic Kidney Disease and Therapies. <i>Circulation Research</i> , 2020, 127, 360-375. | 2.0 | 45 |
| 121 | Red blood cell processing for cryopreservation: from fresh blood to deglycerolization. <i>Blood Cells, Molecules, and Diseases</i> , 2012, 48, 226-232. | 0.6 | 44 |
| 122 | Trauma/hemorrhagic shock instigates aberrant metabolic flux through glycolytic pathways, as revealed by preliminary ¹³ C-glucose labeling metabolomics. <i>Journal of Translational Medicine</i> , 2015, 13, 253. | 1.8 | 44 |
| 123 | Supernatant protein biomarkers of red blood cell storage hemolysis as determined through an absolute quantification proteomics technology. <i>Transfusion</i> , 2016, 56, 1329-1339. | 0.8 | 44 |
| 124 | Metabolic effect of alkaline additives and guanosine/gluconate in storage solutions for red blood cells. <i>Transfusion</i> , 2018, 58, 1992-2002. | 0.8 | 44 |
| 125 | Pyroloquinoline quinone prevents developmental programming of microbial dysbiosis and macrophage polarization to attenuate liver fibrosis in offspring of obese mice. <i>Hepatology Communications</i> , 2018, 2, 313-328. | 2.0 | 44 |
| 126 | Clonal expansion of vaccine-elicited T cells is independent of aerobic glycolysis. <i>Science Immunology</i> , 2018, 3, . | 5.6 | 44 |

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|-----|---|-----|-----------|
| 127 | Nicotinamide phosphoribosyltransferase inhibitors selectively induce apoptosis of AML stem cells by disrupting lipid homeostasis. <i>Cell Stem Cell</i> , 2021, 28, 1851-1867.e8. | 5.2 | 43 |
| 128 | Production of the phytoalexins trans-resveratrol and delta-viniferin in two economy-relevant grape cultivars upon infection with <i>Botrytis cinerea</i> in field conditions. <i>Plant Physiology and Biochemistry</i> , 2012, 50, 65-71. | 2.8 | 42 |
| 129 | Proteomic analysis of platelets treated with gamma irradiation versus a commercial photochemical pathogen reduction technology. <i>Transfusion</i> , 2013, 53, 1808-1820. | 0.8 | 42 |
| 130 | The Rodent Liver Undergoes Weaning-Induced Involution and Supports Breast Cancer Metastasis. <i>Cancer Discovery</i> , 2017, 7, 177-187. | 7.7 | 42 |
| 131 | A mass spectrometry-based targeted metabolomics strategy of human blastocoele fluid: a promising tool in fertility research. <i>Molecular BioSystems</i> , 2012, 8, 953-958. | 2.9 | 40 |
| 132 | Haemoglobin glycation (Hb1Ac) increases during red blood cell storage: a <sc>MALDI</sc>â€<sc>TOF</sc> massâ€spectrometryâ€based investigation. <i>Vox Sanguinis</i> , 2013, 105, 177-180. | 0.7 | 40 |
| 133 | Hypoxic storage of red blood cells improves metabolism and postâ€transfusion recovery. <i>Transfusion</i> , 2020, 60, 786-798. | 0.8 | 40 |
| 134 | Seroconversion stages COVID19 into distinct pathophysiological states. <i>ELife</i> , 2021, 10, . | 2.8 | 40 |
| 135 | The anti-inflammatory cytokine interleukin-37 is an inhibitor of trained immunity. <i>Cell Reports</i> , 2021, 35, 108955. | 2.9 | 40 |
| 136 | The interactome of the N-terminus of band 3 regulates red blood cell metabolism and storage quality. <i>Haematologica</i> , 2021, 106, 2971-2985. | 1.7 | 40 |
| 137 | Comparative proteomics and transcriptomics analyses of livers from two different <i>Bos taurus</i> breeds: â€Chianina and Holstein Friesianâ€. <i>Journal of Proteomics</i> , 2009, 73, 309-322. | 1.2 | 39 |
| 138 | A robust high resolution reversed-phase HPLC strategy to investigate various metabolic species in different biological models. <i>Molecular BioSystems</i> , 2011, 7, 1024. | 2.9 | 39 |
| 139 | Proteomic analysis of red blood cells and the potential for the clinic: what have we learned so far?. <i>Expert Review of Proteomics</i> , 2017, 14, 243-252. | 1.3 | 39 |
| 140 | Blood donor exposome and impact of common drugs on red blood cell metabolism. <i>JCI Insight</i> , 2021, 6, . | 2.3 | 39 |
| 141 | Mechanisms of stearoyl CoA desaturase inhibitor sensitivity and acquired resistance in cancer. <i>Science Advances</i> , 2021, 7, . | 4.7 | 38 |
| 142 | Comfortably Numb and Back: Plasma Metabolomics Reveals Biochemical Adaptations in the Hibernating 13-Lined Ground Squirrel. <i>Journal of Proteome Research</i> , 2017, 16, 958-969. | 1.8 | 37 |
| 143 | Metabolic Linkage and Correlations to Storage Capacity in Erythrocytes from Glucose 6-Phosphate Dehydrogenase-Deficient Donors. <i>Frontiers in Medicine</i> , 2017, 4, 248. | 1.2 | 37 |
| 144 | Vascular Adaptation of the Right Ventricle in Experimental Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 59, 479-489. | 1.4 | 37 |

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|-----|--|-----|-----------|
| 145 | Higher Gestational Choline Levels in Maternal Infection Are Protective for Infant Brain Development. <i>Journal of Pediatrics</i> , 2019, 208, 198-206.e2. | 0.9 | 37 |
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