

Angelo D'Alessandro

List of Publications by Year in descending order

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Version: 2024-02-01

420
papers

18,762
citations

11608

70
h-index

25716

108
g-index

461
all docs

461
docs citations

461
times ranked

21858
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma levels of carboxylic acids are markers of early kidney dysfunction in young people with type 1 diabetes. <i>Pediatric Nephrology</i> , 2023, 38, 193-202.	0.9	3
2	Prenatal choline, cannabis, and infection, and their association with offspring development of attention and social problems through 4 years of age. <i>Psychological Medicine</i> , 2022, 52, 3019-3028.	2.7	13
3	Beta thalassemia minor is a beneficial determinant of red blood cell storage lesion. <i>Haematologica</i> , 2022, 107, 112-125.	1.7	23
4	Metabolomic markers predictive of hepatic adaptation to therapeutic dosing of acetaminophen. <i>Clinical Toxicology</i> , 2022, 60, 221-230.	0.8	5
5	Pharmacologic activation of hepatic farnesoid X receptor prevents parenteral nutrition-associated cholestasis in mice. <i>Hepatology</i> , 2022, 75, 252-265.	3.6	13
6	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
7	Stored blood has compromised oxygen unloading kinetics that can be normalized with rejuvenation and predicted from corpuscular side-scatter. <i>Haematologica</i> , 2022, 107, 298-302.	1.7	22
8	Succinate Activation of SUCNR1 Predisposes Severely Injured Patients to Neutrophil-mediated ARDS. <i>Annals of Surgery</i> , 2022, 276, e944-e954.	2.1	21
9	Irradiation Causes Alterations of Polyamine, Purine, and Sulfur Metabolism in Red Blood Cells and Multiple Organs. <i>Journal of Proteome Research</i> , 2022, 21, 519-534.	1.8	9
10	Polyamine import and accumulation causes immunomodulation in macrophages engulfing apoptotic cells. <i>Cell Reports</i> , 2022, 38, 110222.	2.9	35
11	Erythrocyte transglutaminase-2 combats hypoxia and chronic kidney disease by promoting oxygen delivery and carnitine homeostasis. <i>Cell Metabolism</i> , 2022, 34, 299-316.e6.	7.2	28
12	Circulating primitive murine erythroblasts undergo complex proteomic and metabolomic changes during terminal maturation. <i>Blood Advances</i> , 2022, 6, 3072-3089.	2.5	6
13	Inductively-Coupled Plasma Mass Spectrometry—Novel Insights From an Old Technology Into Stressed Red Blood Cell Physiology. <i>Frontiers in Physiology</i> , 2022, 13, 828087.	1.3	5
14	Red blood transfusion as a potential source for false-positive phosphatidylethanol levels. <i>Transfusion</i> , 2022, 62, 506-508.	0.8	3
15	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
16	Corpuscular Fragility and Metabolic Aspects of Freshly Drawn Beta-Thalassemia Minor RBCs Impact Their Physiology and Performance Post Transfusion: A Triangular Correlation Analysis In Vitro and In Vivo. <i>Biomedicines</i> , 2022, 10, 530.	1.4	3
17	p53-driven lipidome influences non-cell-autonomous lysophospholipids in pancreatic cancer. <i>Biology Direct</i> , 2022, 17, 6.	1.9	19
18	High-Throughput Metabolomics Platform for the Rapid Data-Driven Development of Novel Additive Solutions for Blood Storage. <i>Frontiers in Physiology</i> , 2022, 13, 833242.	1.3	21

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19	DNA damage contributes to neurotoxic inflammation in Aicardi-Goutières syndrome astrocytes. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	35
20	Reprogramming of red blood cell metabolism in Zika virus-infected donors. <i>Transfusion</i> , 2022, 62, 1045-1064.	0.8	5
21	ZOOMICS: Comparative Metabolomics of Red Blood Cells From Guinea Pigs, Humans, and Non-human Primates During Refrigerated Storage for Up to 42 Days. <i>Frontiers in Physiology</i> , 2022, 13, 845347.	1.3	6
22	Immunometabolic activation of macrophages leads to cytokine production in the pathogenesis of KRAS-mutated histiocytosis. <i>Rheumatology</i> , 2022, 61, e93-e96.	0.9	2
23	Divergent Genetic Regulation of Nitric Oxide Production between C57BL/6J and Wild-Derived PWD/PhJ Mice Controls Postactivation Mitochondrial Metabolism, Cell Survival, and Bacterial Resistance in Dendritic Cells. <i>Journal of Immunology</i> , 2022, 208, 97-109.	0.4	2
24	p97 dysfunction underlies a loss of quality control of damaged membrane proteins and promotes oxidative stress and sickling in sickle cell disease. <i>FASEB Journal</i> , 2022, 36, e22246.	0.2	5
25	BRAF Modulates Lipid Use and Accumulation. <i>Cancers</i> , 2022, 14, 2110.	1.7	3
26	Deuterated Linoleic Acid Attenuates the RBC Storage Lesion in a Mouse Model of Poor RBC Storage. <i>Frontiers in Physiology</i> , 2022, 13, 868578.	1.3	7
27	Storage of red blood cells in alkaline PAGGM improves metabolism but has no effect on recovery after transfusion. <i>Blood Advances</i> , 2022, 6, 3899-3910.	2.5	7
28	Maternal Pyrroloquinoline Quinone Supplementation Improves Offspring Liver Bioactive Lipid Profiles throughout the Lifespan and Protects against the Development of Adult NAFLD. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6043.	1.8	3
29	Shikonin impairs mitochondrial activity to selectively target leukemia cells. <i>Phytomedicine Plus</i> , 2022, 2, 100300.	0.9	2
30	In Sickness and in Health: Erythrocyte Responses to Stress and Aging. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6957.	1.8	0
31	Metabolomic Evaluation of N-Acetyl-p-Benzoquinone Imine Protein Adduct Formation with Therapeutic Acetaminophen Administration: Sex-based Physiologic Differences. <i>Journal of Medical Toxicology</i> , 2022, 18, 297-310.	0.8	1
32	Retention of functional mitochondria in mature red blood cells from patients with sickle cell disease. <i>British Journal of Haematology</i> , 2022, 198, 574-586.	1.2	23
33	Human and Bacterial Toll-Interleukin Receptor Domains Exhibit Distinct Dynamic Features and Functions. <i>Molecules</i> , 2022, 27, 4494.	1.7	2
34	A Designer Nanoparticle Platform for Controlled Intracellular Delivery of Bioactive Macromolecules: Inhibition of Ubiquitin-Specific Protease 7 in Breast Cancer Cells. <i>ACS Chemical Biology</i> , 2022, 17, 1853-1865.	1.6	3
35	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
36	Blood donor obesity is associated with changes in red blood cell metabolism and susceptibility to hemolysis in cold storage and in response to osmotic and oxidative stress. <i>Transfusion</i> , 2021, 61, 435-448.	0.8	29

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37	The Hepatic Microenvironment Uniquely Protects Leukemia Cells through Induction of Growth and Survival Pathways Mediated by LIPG. <i>Cancer Discovery</i> , 2021, 11, 500-519.	7.7	13
38	Oxidized Low-Density Lipoprotein Drives Dysfunction of the Liver Lymphatic System. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 573-595.	2.3	28
39	Testosterone replacement therapy in blood donors modulates erythrocyte metabolism and susceptibility to hemolysis in cold storage. <i>Transfusion</i> , 2021, 61, 108-123.	0.8	24
40	Maneb alters central carbon metabolism and thiol redox status in a toxicant model of Parkinson's disease. <i>Free Radical Biology and Medicine</i> , 2021, 162, 65-76.	1.3	22
41	Extinguishing the Embers: Targeting AML Metabolism. <i>Trends in Molecular Medicine</i> , 2021, 27, 332-344.	3.5	30
42	Male fetus susceptibility to maternal inflammation: C-reactive protein and brain development. <i>Psychological Medicine</i> , 2021, 51, 450-459.	2.7	34
43	Omega 3 fatty acids stimulate thermogenesis during torpor in the Arctic Ground Squirrel. <i>Scientific Reports</i> , 2021, 11, 1340.	1.6	10
44	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
45	Chaperone-mediated autophagy sustains haematopoietic stem-cell function. <i>Nature</i> , 2021, 591, 117-123.	13.7	145
46	In situ mapping identifies distinct vascular niches for myelopoiesis. <i>Nature</i> , 2021, 590, 457-462.	13.7	74
47	Sex Differences in Insulin Sensitivity are Related to Muscle Tissue Acylcarnitine But Not Subcellular Lipid Distribution. <i>Obesity</i> , 2021, 29, 550-561.	1.5	9
48	Mechanisms of stearoyl CoA desaturase inhibitor sensitivity and acquired resistance in cancer. <i>Science Advances</i> , 2021, 7, .	4.7	38
49	Blood donor exposome and impact of common drugs on red blood cell metabolism. <i>JCI Insight</i> , 2021, 6, .	2.3	39
50	Targeting tumor-derived NLRP3 reduces melanoma progression by limiting MDSCs expansion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	95
51	Metabolic Characterization of Plasma and Cyst Fluid from Cystic Precursors to Pancreatic Cancer Patients Reveal Metabolic Signatures of Bacterial Infection. <i>Journal of Proteome Research</i> , 2021, 20, 2725-2738.	1.8	18
52	<i>In Vitro</i> Characterization and Metabolomic Analysis of Cold-Stored Platelets. <i>Journal of Proteome Research</i> , 2021, 20, 2251-2265.	1.8	17
53	Microenvironmental Regulation of Macrophage Transcriptomic and Metabolomic Profiles in Pulmonary Hypertension. <i>Frontiers in Immunology</i> , 2021, 12, 640718.	2.2	19
54	Isolating and targeting the real-time plasticity and malignant properties of epithelial-mesenchymal transition in cancer. <i>Oncogene</i> , 2021, 40, 2884-2897.	2.6	13

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55	Traumatic Brain Injury Impairs Systemic Vascular Function through Disruption of Inward-Rectifier Potassium Channels. <i>Function</i> , 2021, 2, .	1.1	9
56	G6PD activity contributes to the regulation of histone acetylation and gene expression in smooth muscle cells and to the pathogenesis of vascular diseases. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H999-H1016.	1.5	13
57	Abstract LT022: The AML microenvironment catalyzes a step-wise evolution to gilteritinib resistance. , 2021, , .		0
58	Proteome of Stored RBC Membrane and Vesicles from Heterozygous Beta Thalassemia Donors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3369.	1.8	13
59	Seroconversion stages COVID19 into distinct pathophysiological states. <i>ELife</i> , 2021, 10, .	2.8	40
60	Maturation of Pluripotent Stem Cell-Derived Cardiomyocytes Enables Modeling of Human Hypertrophic Cardiomyopathy. <i>Stem Cell Reports</i> , 2021, 16, 519-533.	2.3	33
61	Fatty acid desaturase activity in mature red blood cells and implications for blood storage quality. <i>Transfusion</i> , 2021, 61, 1867-1883.	0.8	26
62	In vivo clearance of stored red blood cells. <i>Blood</i> , 2021, 137, 2275-2276.	0.6	6
63	Quantifying dynamic range in red blood cell energetics: Evidence of progressive energy failure during storage. <i>Transfusion</i> , 2021, 61, 1586-1599.	0.8	21
64	SIRT5 Is a Druggable Metabolic Vulnerability in Acute Myeloid Leukemia. <i>Blood Cancer Discovery</i> , 2021, 2, 266-287.	2.6	37
65	Inorganic Nitrite Supplementation Improves Endothelial Function With Aging. <i>Hypertension</i> , 2021, 77, 1212-1222.	1.3	23
66	Glutathionylation chemistry promotes interleukin-1 beta-mediated glycolytic reprogramming and pro-inflammatory signaling in lung epithelial cells. <i>FASEB Journal</i> , 2021, 35, e21525.	0.2	9
67	The anti-inflammatory cytokine interleukin-37 is an inhibitor of trained immunity. <i>Cell Reports</i> , 2021, 35, 108955.	2.9	40
68	Combined Oral Contraceptive Treatment Does Not Alter the Gut Microbiome or Serum Metabolomic Profile in Obese Girls with Polycystic Ovary Syndrome. <i>Journal of the Endocrine Society</i> , 2021, 5, A711-A712.	0.1	0
69	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
70	Mitochondrial ATP fuels ABC transporter-mediated drug efflux in cancer chemoresistance. <i>Nature Communications</i> , 2021, 12, 2804.	5.8	77
71	Author's Response: Targeting Treatments to Health Disparities. <i>Schizophrenia Bulletin</i> , 2021, 47, 886-887.	2.3	3
72	Oncogene-induced maladaptive activation of trained immunity in the pathogenesis and treatment of Erdheim-Chester disease. <i>Blood</i> , 2021, 138, 1554-1569.	0.6	10

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73	Very long chain fatty acid metabolism is required in acute myeloid leukemia. <i>Blood</i> , 2021, 137, 3518-3532.	0.6	55
74	Hematologic and systemic metabolic alterations due to Mediterranean class II G6PD deficiency in mice. <i>JCI Insight</i> , 2021, 6, .	2.3	17
75	Metabolic alterations mediated by STAT3 promotes drug persistence in CML. <i>Leukemia</i> , 2021, 35, 3371-3382.	3.3	19
76	Targeted Intracellular Delivery of Trastuzumab Using Designer Phage Lambda Nanoparticles Alters Cellular Programs in Human Breast Cancer Cells. <i>ACS Nano</i> , 2021, 15, 11789-11805.	7.3	18
77	Erythrocyte adenosine A2B receptor prevents cognitive and auditory dysfunction by promoting hypoxic and metabolic reprogramming. <i>PLoS Biology</i> , 2021, 19, e3001239.	2.6	11
78	The AML microenvironment catalyzes a stepwise evolution to gilteritinib resistance. <i>Cancer Cell</i> , 2021, 39, 999-1014.e8.	7.7	62
79	The Inherent Dynamics and Interaction Sites of the SARS-CoV-2 Nucleocapsid N-Terminal Region. <i>Journal of Molecular Biology</i> , 2021, 433, 167108.	2.0	30
80	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
81	3-hydroxy-L-kynurenamine is an immunomodulatory biogenic amine. <i>Nature Communications</i> , 2021, 12, 4447.	5.8	30
82	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
83	Abstract LB109: A critical role for SIRT5 in acute myeloid leukemia metabolism. , 2021, , .		0
84	Metabolism navigates neural cell fate in development, aging and neurodegeneration. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	16
85	Trisomy 21 results in modest impacts on mitochondrial function and central carbon metabolism. <i>Free Radical Biology and Medicine</i> , 2021, 172, 201-212.	1.3	10
86	The COVIDome Explorer researcher portal. <i>Cell Reports</i> , 2021, 36, 109527.	2.9	34
87	NF- κ B Regulation of LRH-1 and ABCG5/8 Potentiates Phytosterol Role in the Pathogenesis of Parenteral Nutrition-associated Cholestasis. <i>Hepatology</i> , 2021, 74, 3284-3300.	3.6	8
88	Maternal prenatal choline and inflammation effects on 4-year-olds'™ performance on the Wechsler Preschool and Primary Scale of Intelligence-IV. <i>Journal of Psychiatric Research</i> , 2021, 141, 50-56.	1.5	5
89	Red Blood Cell Metabolism in Patients with Propionic Acidemia. <i>Separations</i> , 2021, 8, 142.	1.1	1
90	Targeting Host Glycolysis as a Strategy for Antimalarial Development. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 730413.	1.8	6

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91	Mouse background genetics in biomedical research: The devil's in the details. <i>Transfusion</i> , 2021, 61, 3017-3025.	0.8	10
92	Red Blood Cell Proteasome in Beta-Thalassemia Trait: Topology of Activity and Networking in Blood Bank Conditions. <i>Membranes</i> , 2021, 11, 716.	1.4	11
93	Complement-containing small extracellular vesicles from adventitial fibroblasts induce proinflammatory and metabolic reprogramming in macrophages. <i>JCI Insight</i> , 2021, 6, .	2.3	13
94	Proteinuric chronic kidney disease is associated with altered red blood cell lifespan, deformability and metabolism. <i>Kidney International</i> , 2021, 100, 1227-1239.	2.6	37
95	Biological and Clinical Factors Contributing to the Metabolic Heterogeneity of Hospitalized Patients with and without COVID-19. <i>Cells</i> , 2021, 10, 2293.	1.8	37
96	Structure-activity relationship of avocadyne. <i>Food and Function</i> , 2021, 12, 6323-6333.	2.1	5
97	Black American Maternal Prenatal Choline, Offspring Gestational Age at Birth, and Developmental Predisposition to Mental Illness. <i>Schizophrenia Bulletin</i> , 2021, 47, 896-905.	2.3	15
98	The impact of donor sex and age on stored platelet metabolism and post-transfusion recovery. <i>Blood Transfusion</i> , 2021, 19, 216-223.	0.3	6
99	Protein-L-isoaspartate O-methyltransferase is required for <i>in vivo</i> control of oxidative damage in red blood cells. <i>Haematologica</i> , 2021, 106, 2726-2739.	1.7	19
100	Murine models of sickle cell disease and beta-thalassemia demonstrate pulmonary hypertension with distinctive features. <i>Pulmonary Circulation</i> , 2021, 11, 1-12.	0.8	11
101	Multiparametric characterization of red blood cell physiology after hypotonic dialysis based drug encapsulation process. <i>Acta Pharmaceutica Sinica B</i> , 2021, , .	5.7	4
102	Red Blood Cell Metabolism in Pyruvate Kinase Deficient Patients. <i>Frontiers in Physiology</i> , 2021, 12, 735543.	1.3	8
103	Glutathione-S-transferase P promotes glycolysis in asthma in association with oxidation of pyruvate kinase M2. <i>Redox Biology</i> , 2021, 47, 102160.	3.9	23
104	1319: Lipidomic Profiles Associated With Hyperfibrinolysis in Adult Trauma Patients. <i>Critical Care Medicine</i> , 2021, 49, 666-666.	0.4	0
105	Blood bank storage of red blood cells increases RBC cytoplasmic membrane order and bending rigidity. <i>PLoS ONE</i> , 2021, 16, e0259267.	1.1	18
106	Cytoplasmic Labile Iron Accumulates in Aging Stem Cells Perturbing a Key Rheostat for Identity Control. <i>Blood</i> , 2021, 138, 3282-3282.	0.6	1
107	Inhibiting Mitochondrial Complex II Exposes a Novel Metabolic Vulnerability in Acute Myeloid Leukemia. <i>Blood</i> , 2021, 138, 1300-1300.	0.6	2
108	The Post-Storage Performance of RBCs from Beta-Thalassemia Trait Donors Is Related to Their Storability Profile. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12281.	1.8	8

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109	Circulating Primitive Erythroblasts in the Murine Embryo Undergo Complex Proteomic and Metabolomic Changes during Terminal Maturation. <i>Blood</i> , 2021, 138, 851-851.	0.6	0
110	Characterizing the Metabolic Determinants of Thromboinflammation in Myeloproliferative Neoplasms. <i>Blood</i> , 2021, 138, 4596-4596.	0.6	0
111	Sirtuin 3 Inhibition Targets AML Stem Cells through Perturbation of Fatty Acid Oxidation. <i>Blood</i> , 2021, 138, 2240-2240.	0.6	1
112	The Impact of Age and BMI on the VWF/ADAMTS13 Axis and Simultaneous Thrombin and Plasmin Generation in Hospitalized COVID-19 Patients. <i>Frontiers in Medicine</i> , 2021, 8, 817305.	1.2	7
113	Interaction of maternal choline levels and prenatal Marijuana's effects on the offspring. <i>Psychological Medicine</i> , 2020, 50, 1716-1726.	2.7	16
114	Metabolic Systems Analysis of Shock-Induced Endotheliopathy (SHINE) in Trauma. <i>Annals of Surgery</i> , 2020, 272, 1140-1148.	2.1	23
115	Transfusion of Anaerobically or Conventionally Stored Blood After Hemorrhagic Shock. <i>Shock</i> , 2020, 53, 352-362.	1.0	28
116	Short-term interleukin-6 treatment improves vascular endothelial function, endurance exercise capacity, and whole-body glucose metabolism in old mice. <i>Aging Cell</i> , 2020, 19, e13074.	3.0	37
117	Metabolic phenotypes of standard and cold-stored platelets. <i>Transfusion</i> , 2020, 60, S96-S106.	0.8	11
118	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
119	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
120	Doxorubicin-Induced Oxidative Stress and Endothelial Dysfunction in Conduit Arteries Is Prevented by Mitochondrial-Specific Antioxidant Treatment. <i>JACC: CardioOncology</i> , 2020, 2, 475-488.	1.7	33
121	CPT1A Over-Expression Increases Reactive Oxygen Species in the Mitochondria and Promotes Antioxidant Defenses in Prostate Cancer. <i>Cancers</i> , 2020, 12, 3431.	1.7	21
122	ZOOMICS: Comparative Metabolomics of Red Blood Cells From Old World Monkeys and Humans. <i>Frontiers in Physiology</i> , 2020, 11, 593841.	1.3	19
123	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
124	Metabolic abnormalities in G6PC3-deficient human neutrophils result in severe functional defects. <i>Blood Advances</i> , 2020, 4, 5888-5901.	2.5	9
125	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
126	Gene-Diet Interactions: Dietary Rescue of Metabolic Defects in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2020, 214, 961-975.	1.2	11

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127	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
128	Fatty acid metabolism underlies venetoclax resistance in acute myeloid leukemia stem cells. <i>Nature Cancer</i> , 2020, 1, 1176-1187.	5.7	137
129	Effects of chronic hyperinsulinemia on metabolic pathways and insulin signaling in the fetal liver. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E721-E733.	1.8	11
130	Donor-dependent aging of young and old red blood cell subpopulations: Metabolic and functional heterogeneity. <i>Transfusion</i> , 2020, 60, 2633-2646.	0.8	32
131	On-chip Acousto Thermal Shift Assay for Rapid and Sensitive Assessment of Protein Thermodynamic Stability. <i>Small</i> , 2020, 16, e2003506.	5.2	9
132	Benford's law and metabolomics: A tale of numbers and blood. <i>Transfusion and Apheresis Science</i> , 2020, 59, 103019.	0.5	3
133	Nitrogen recycling buffers against ammonia toxicity from skeletal muscle breakdown in hibernating arctic ground squirrels. <i>Nature Metabolism</i> , 2020, 2, 1459-1471.	5.1	20
134	Erythrocyte Metabolic Reprogramming by Sphingosine 1-Phosphate in Chronic Kidney Disease and Therapies. <i>Circulation Research</i> , 2020, 127, 360-375.	2.0	45
135	Metabolomics of Endurance Capacity in World Tour Professional Cyclists. <i>Frontiers in Physiology</i> , 2020, 11, 578.	1.3	32
136	Ethyl glucuronide, a marker of alcohol consumption, correlates with metabolic markers of oxidant stress but not with hemolysis in stored red blood cells from healthy blood donors. <i>Transfusion</i> , 2020, 60, 1183-1196.	0.8	25
137	Nicotine exposure increases markers of oxidant stress in stored red blood cells from healthy donor volunteers. <i>Transfusion</i> , 2020, 60, 1160-1174.	0.8	33
138	Stored RBC metabolism as a function of caffeine levels. <i>Transfusion</i> , 2020, 60, 1197-1211.	0.8	20
139	Maternal choline and respiratory coronavirus effects on fetal brain development. <i>Journal of Psychiatric Research</i> , 2020, 128, 1-4.	1.5	17
140	Erythrocyte adaptive metabolic reprogramming under physiological and pathological hypoxia. <i>Current Opinion in Hematology</i> , 2020, 27, 155-162.	1.2	25
141	CRISPR-Mediated Single Nucleotide Polymorphism Modeling in Rats Reveals Insight Into Reduced Cardiovascular Risk Associated With Mediterranean G6PD Variant. <i>Hypertension</i> , 2020, 76, 523-532.	1.3	15
142	Hypoxic activation of glucose-6-phosphate dehydrogenase controls the expression of genes involved in the pathogenesis of pulmonary hypertension through the regulation of DNA methylation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L773-L786.	1.3	25
143	Hypoxic storage of red blood cells improves metabolism and post-transfusion recovery. <i>Transfusion</i> , 2020, 60, 786-798.	0.8	40
144	Metabolic Reprogramming of Mouse Bone Marrow Derived Macrophages Following Erythrophagocytosis. <i>Frontiers in Physiology</i> , 2020, 11, 396.	1.3	12

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145	MDM2 and MDMX promote ferroptosis by PPAR α -mediated lipid remodeling. <i>Genes and Development</i> , 2020, 34, 526-543.	2.7	156
146	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
147	Impact of taurine on red blood cell metabolism and implications for blood storage. <i>Transfusion</i> , 2020, 60, 1212-1226.	0.8	30
148	Identification of a Small-Molecule Inhibitor That Disrupts the SIX1/EYA2 Complex, EMT, and Metastasis. <i>Cancer Research</i> , 2020, 80, 2689-2702.	0.4	24
149	Red blood cell metabolism in Rhesus macaques and humans: comparative biology of blood storage. <i>Haematologica</i> , 2020, 105, 2174-2186.	1.7	46
150	Inspiratory Muscle Strength Training Improves Vascular Endothelial Function in Older Adults by Altering Circulating Factors that Suppress Superoxide and Enhance Nitric Oxide. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	2
151	Maternal erythrocyte ENT1-mediated AMPK activation counteracts placental hypoxia and supports fetal growth. <i>JCI Insight</i> , 2020, 5, .	2.3	16
152	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
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