

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	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

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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, 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	Pyrroloquinoline 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 stearyl 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
146	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
147	SIRT5 Is a Druggable Metabolic Vulnerability in Acute Myeloid Leukemia. <i>Blood Cancer Discovery</i> , 2021, 2, 266-287.	2.6	37
148	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
149	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
150	Shock releases bile acid-inducing platelet inhibition and fibrinolysis. <i>Journal of Surgical Research</i> , 2015, 195, 390-395.	0.8	36
151	Switching obese mothers to a healthy diet improves fetal hypoxemia, hepatic metabolites, and lipotoxicity in non-human primates. <i>Molecular Metabolism</i> , 2018, 18, 25-41.	3.0	36
152	CD147: a small molecule transporter ancillary protein at the crossroad of multiple hallmarks of cancer and metabolic reprogramming. <i>Oncotarget</i> , 2017, 8, 6742-6762.	0.8	36
153	The egg white and yolk interactomes as gleaned from extensive proteomic data. <i>Journal of Proteomics</i> , 2010, 73, 1028-1042.	1.2	35
154	Protective effects of the neuropeptides PACAP, substance P and the somatostatin analogue octreotide in retinal ischemia: a metabolomic analysis. <i>Molecular BioSystems</i> , 2014, 10, 1290.	2.9	35
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