

Angelo D Alessandro

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

393
papers

10,615
citations

57
h-index

84
g-index

455
ext. papers

15,112
ext. citations

6.3
avg, IF

6.72
L-index

#	Paper	IF	Citations
393	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	50.5	293
392	An update on red blood cell storage lesions, as gleaned through biochemistry and omics technologies. <i>Transfusion</i> , 2015 , 55, 205-19	2.9	214
391	Inhibition of Amino Acid Metabolism Selectively Targets Human Leukemia Stem Cells. <i>Cancer Cell</i> , 2018 , 34, 724-740.e4	24.3	204
390	COVID-19 infection alters kynurenine and fatty acid metabolism, correlating with IL-6 levels and renal status. <i>JCI Insight</i> , 2020 , 5,	9.9	200
389	OLT1177, a 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	11.5	197
388	Time-course investigation of SAGM-stored leukocyte-filtered red blood cell concentrates: from metabolism to proteomics. <i>Haematologica</i> , 2012 , 97, 107-15	6.6	173
387	The red blood cell proteome and interactome: an update. <i>Journal of Proteome Research</i> , 2010 , 9, 144-63	5.6	152
386	A TDO2-AhR signaling axis facilitates anoikis resistance and metastasis in triple-negative breast cancer. <i>Cancer Research</i> , 2015 , 75, 4651-64	10.1	143
385	p53 Represses the Mevalonate Pathway to Mediate Tumor Suppression. <i>Cell</i> , 2019 , 176, 564-580.e19	56.2	141
384	miR-143 regulates hexokinase 2 expression in cancer cells. <i>Oncogene</i> , 2013 , 32, 797-802	9.2	134
383	Red blood cell storage and cell morphology. <i>Transfusion Medicine</i> , 2012 , 22, 90-6	1.3	126
382	Red blood cell storage lesion: causes and potential clinical consequences. <i>Blood Transfusion</i> , 2019 , 17, 27-52	3.6	124
381	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	2.2	123
380	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	16.7	121
379	Red blood cell storage: the story so far. <i>Blood Transfusion</i> , 2010 , 8, 82-8	3.6	118
378	Oxidative modifications of glyceraldehyde 3-phosphate dehydrogenase regulate metabolic reprogramming of stored red blood cells. <i>Blood</i> , 2016 , 128, e32-42	2.2	117
377	Alterations of red blood cell metabolome during cold liquid storage of erythrocyte concentrates in CPD-SAGM. <i>Journal of Proteomics</i> , 2012 , 76 Spec No., 168-80	3.9	113

376	The gut microbiota in infants of obese mothers increases inflammation and susceptibility to NAFLD. <i>Nature Communications</i> , 2018 , 9, 4462	17.4	112
375	Meat science: From proteomics to integrated omics towards system biology. <i>Journal of Proteomics</i> , 2013 , 78, 558-77	3.9	105
374	TNF-Driven inflammation and mitochondrial dysfunction define the platelet hyperreactivity of aging. <i>Blood</i> , 2019 , 134, 727-740	2.2	102
373	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	16.7	100
372	Three-minute method for amino acid analysis by UHPLC and high-resolution quadrupole orbitrap mass spectrometry. <i>Amino Acids</i> , 2015 , 47, 2345-57	3.5	99
371	Sphingosine-1-phosphate promotes erythrocyte glycolysis and oxygen release for adaptation to high-altitude hypoxia. <i>Nature Communications</i> , 2016 , 7, 12086	17.4	99
370	The TP53 Apoptotic Network Is a Primary Mediator of Resistance to BCL2 Inhibition in AML Cells. <i>Cancer Discovery</i> , 2019 , 9, 910-925	24.4	98
369	Cell-Intrinsic Glycogen Metabolism Supports Early Glycolytic Reprogramming Required for Dendritic Cell Immune Responses. <i>Cell Metabolism</i> , 2017 , 26, 558-567.e5	24.6	97
368	Monocytic Subclones Confer Resistance to Venetoclax-Based Therapy in Patients with Acute Myeloid Leukemia. <i>Cancer Discovery</i> , 2020 , 10, 536-551	24.4	93
367	Cannabinoids inhibit energetic metabolism and induce AMPK-dependent autophagy in pancreatic cancer cells. <i>Cell Death and Disease</i> , 2013 , 4, e664	9.8	91
366	Routine storage of red blood cell (RBC) units in additive solution-3: a comprehensive investigation of the RBC metabolome. <i>Transfusion</i> , 2015 , 55, 1155-68	2.9	91
365	Love me tender: an Omics window on the bovine meat tenderness network. <i>Journal of Proteomics</i> , 2012 , 75, 4360-80	3.9	87
364	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	5.6	86
363	Intracellular localization of diacylglycerols and sphingolipids influences insulin sensitivity and mitochondrial function in human skeletal muscle. <i>JCI Insight</i> , 2018 , 3,	9.9	85
362	Beneficial Role of Erythrocyte Adenosine A2B Receptor-Mediated AMP-Activated Protein Kinase Activation in High-Altitude Hypoxia. <i>Circulation</i> , 2016 , 134, 405-21	16.7	84
361	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	5.7	82
360	Human milk proteins: an interactomics and updated functional overview. <i>Journal of Proteome Research</i> , 2010 , 9, 3339-73	5.6	82
359	Meat quality of the longissimus lumborum muscle of Casertana and Large White pigs: metabolomics and proteomics intertwined. <i>Journal of Proteomics</i> , 2011 , 75, 610-27	3.9	80

358	Metabolomics in transfusion medicine. <i>Transfusion</i> , 2016 , 56, 980-93	2.9	77
357	We are what we eat: food safety and proteomics. <i>Journal of Proteome Research</i> , 2012 , 11, 26-36	5.6	75
356	The bovine milk proteome: cherishing, nourishing and fostering molecular complexity. An interactomics and functional overview. <i>Molecular BioSystems</i> , 2011 , 7, 579-97		75
355	Biomarkers defining the metabolic age of red blood cells during cold storage. <i>Blood</i> , 2016 , 128, e43-50	2.2	75
354	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	16.7	73
353	Blood-related proteomics. <i>Journal of Proteomics</i> , 2010 , 73, 483-507	3.9	73
352	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	5.6	73
351	High-Throughput Metabolomics: Isocratic and Gradient Mass Spectrometry-Based Methods. <i>Methods in Molecular Biology</i> , 2019 , 1978, 13-26	1.4	72
350	Cadmium stress responses in Brassica juncea: hints from proteomics and metabolomics. <i>Journal of Proteome Research</i> , 2013 , 12, 4979-97	5.6	72
349	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	6.6	72
348	Chianina beef tenderness investigated through integrated Omics. <i>Journal of Proteomics</i> , 2012 , 75, 4381-98	3.9	70
347	Viscoelastic measurements of platelet function, not fibrinogen function, predicts sensitivity to tissue-type plasminogen activator in trauma patients. <i>Journal of Thrombosis and Haemostasis</i> , 2015 , 13, 1878-87	15.4	67
346	Red blood cell metabolism under prolonged anaerobic storage. <i>Molecular BioSystems</i> , 2013 , 9, 1196-209		65
345	Citrate metabolism in red blood cells stored in additive solution-3. <i>Transfusion</i> , 2017 , 57, 325-336	2.9	64
344	Glucose 6-phosphate dehydrogenase deficient subjects may be better "storers" than donors of red blood cells. <i>Free Radical Biology and Medicine</i> , 2016 , 96, 152-65	7.8	64
343	Proteome changes in platelets after pathogen inactivation--an interlaboratory consensus. <i>Transfusion Medicine Reviews</i> , 2014 , 28, 72-83	7.4	63
342	Nobiletin fortifies mitochondrial respiration in skeletal muscle to promote healthy aging against metabolic challenge. <i>Nature Communications</i> , 2019 , 10, 3923	17.4	62
341	Cysteine depletion targets leukemia stem cells through inhibition of electron transport complex II. <i>Blood</i> , 2019 , 134, 389-394	2.2	62

340	Targeting Glutamine Metabolism and Redox State for Leukemia Therapy. <i>Clinical Cancer Research</i> , 2019 , 25, 4079-4090	12.9	61
339	Interleukin 37 reverses the metabolic cost of inflammation, increases oxidative respiration, and improves exercise tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 2313-2318	11.5	60
338	MDM2 and MDMX promote ferroptosis by PPAR δ -mediated lipid remodeling. <i>Genes and Development</i> , 2020 , 34, 526-543	12.6	60
337	Hemoglobin oxidation at functional amino acid residues during routine storage of red blood cells. <i>Transfusion</i> , 2016 , 56, 421-6	2.9	60
336	AltitudeOmics: Red Blood Cell Metabolic Adaptation to High Altitude Hypoxia. <i>Journal of Proteome Research</i> , 2016 , 15, 3883-3895	5.6	56
335	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, 1946-58	7.6	55
334	The NLRP3 inflammasome inhibitor OLT1177 rescues cognitive impairment in a mouse model of Alzheimer β disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 32145-32154	11.5	54
333	Red blood cell storage in additive solution-7 preserves energy and redox metabolism: a metabolomics approach. <i>Transfusion</i> , 2015 , 55, 2955-66	2.9	53
332	ATM/G6PD-driven redox metabolism promotes FLT3 inhibitor resistance in acute myeloid leukemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E6669-E6678	11.5	52
331	A Role for Tryptophan-2,3-dioxygenase in CD8 T-cell Suppression and Evidence of Tryptophan Catabolism in Breast Cancer Patient Plasma. <i>Molecular Cancer Research</i> , 2019 , 17, 131-139	6.6	50
330	Lymph formation, composition and circulation: a proteomics perspective. <i>International Immunology</i> , 2015 , 27, 219-27	4.9	49
329	Proteomics and transcriptomics investigation on longissimus muscles in Large White and Casertana pig breeds. <i>Journal of Proteome Research</i> , 2010 , 9, 6450-66	5.6	49
328	Hallmarks of Pulmonary Hypertension: Mesenchymal and Inflammatory Cell Metabolic Reprogramming. <i>Antioxidants and Redox Signaling</i> , 2018 , 28, 230-250	8.4	48
327	Glutaminase inhibition improves FLT3 inhibitor therapy for acute myeloid leukemia. <i>Experimental Hematology</i> , 2018 , 58, 52-58	3.1	48
326	Red blood cell proteomics update: is there more to discover?. <i>Blood Transfusion</i> , 2017 , 15, 182-187	3.6	48
325	Erythrocytes retain hypoxic adenosine response for faster acclimatization upon re-ascent. <i>Nature Communications</i> , 2017 , 8, 14108	17.4	46
324	Pathologic metabolism: an exploratory study of the plasma metabolome of critical injury. <i>Journal of Trauma and Acute Care Surgery</i> , 2015 , 78, 742-51	3.3	45
323	Constitutive Reprogramming of Fibroblast Mitochondrial Metabolism in Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016 , 55, 47-57	5.7	45

322	Mitochondrial redox sensing by the kinase ATM maintains cellular antioxidant capacity. <i>Science Signaling</i> , 2018 , 11,	8.8	45
321	Early hemorrhage triggers metabolic responses that build up during prolonged shock. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 308, R1034-44	3.2	44
320	Metabolic effect of TAp63-enhanced glycolysis and pentose phosphate pathway, resulting in increased antioxidant defense. <i>Oncotarget</i> , 2014 , 5, 7722-33	3.3	44
319	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	3.6	44
318	Nicotinamide Metabolism Mediates Resistance to Venetoclax in Relapsed Acute Myeloid Leukemia Stem Cells. <i>Cell Stem Cell</i> , 2020 , 27, 748-764.e4	18	43
317	Widespread Backtracking by RNA Pol II Is a Major Effector of Gene Activation, 5PPause Release, Termination, and Transcription Elongation Rate. <i>Molecular Cell</i> , 2019 , 73, 107-118.e4	17.6	43
316	Metabolomics of AS-5 RBC supernatants following routine storage. <i>Vox Sanguinis</i> , 2015 , 108, 131-40	3.1	42
315	Fine-Tuning of CD8(+) T Cell Mitochondrial Metabolism by the Respiratory Chain Repressor MCJ Dictates Protection to Influenza Virus. <i>Immunity</i> , 2016 , 44, 1299-311	32.3	42
314	Heterogeneity of blood processing and storage additives in different centers impacts stored red blood cell metabolism as much as storage time: lessons from REDS-III-Omics. <i>Transfusion</i> , 2019 , 59, 89-100	20.9	42
313	Plasma succinate is a predictor of mortality in critically injured patients. <i>Journal of Trauma and Acute Care Surgery</i> , 2017 , 83, 491-495	3.3	41
312	The role of antenatal immunoprophylaxis in the prevention of maternal-foetal anti-Rh(D) alloimmunisation. <i>Blood Transfusion</i> , 2010 , 8, 8-16	3.6	41
311	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	2.9	41
310	Characterization and targeting of malignant stem cells in patients with advanced myelodysplastic syndromes. <i>Nature Communications</i> , 2018 , 9, 3694	17.4	41
309	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	6.6	40
308	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. <i>Expert Review of Proteomics</i> , 2018 , 15, 855-864	4.2	40
307	Untargeted and Semi-targeted Lipid Analysis of Biological Samples Using Mass Spectrometry-Based Metabolomics. <i>Methods in Molecular Biology</i> , 2019 , 1978, 121-135	1.4	39
306	Red blood cell metabolic responses to refrigerated storage, rejuvenation, and frozen storage. <i>Transfusion</i> , 2017 , 57, 1019-1030	2.9	38
305	Macrophage-derived IL-1 β /NF- κ B signaling mediates parenteral nutrition-associated cholestasis. <i>Nature Communications</i> , 2018 , 9, 1393	17.4	38

304	Trisomy 21 activates the kynurenine pathway via increased dosage of interferon receptors. <i>Nature Communications</i> , 2019 , 10, 4766	17.4	38
303	A robust high resolution reversed-phase HPLC strategy to investigate various metabolic species in different biological models. <i>Molecular BioSystems</i> , 2011 , 7, 1024-32		38
302	Chaperone-mediated autophagy sustains haematopoietic stem-cell function. <i>Nature</i> , 2021 , 591, 117-123	50.4	38
301	The Hematopoietic Oxidase NOX2 Regulates Self-Renewal of Leukemic Stem Cells. <i>Cell Reports</i> , 2019 , 27, 238-254.e6	10.6	37
300	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, 1355-63	3.7	37
299	Red blood cell processing for cryopreservation: from fresh blood to deglycerolization. <i>Blood Cells, Molecules, and Diseases</i> , 2012 , 48, 226-32	2.1	36
298	CO ₂ -dependent metabolic modulation in red blood cells stored under anaerobic conditions. <i>Transfusion</i> , 2016 , 56, 392-403	2.9	36
297	Proteomic analysis of platelets treated with gamma irradiation versus a commercial photochemical pathogen reduction technology. <i>Transfusion</i> , 2013 , 53, 1808-20	2.9	35
296	Comparative proteomics and transcriptomics analyses of livers from two different <i>Bos taurus</i> breeds: "Chianina and Holstein Friesian". <i>Journal of Proteomics</i> , 2009 , 73, 309-22	3.9	35
295	Hydroxylamine Chemical Digestion for Insoluble Extracellular Matrix Characterization. <i>Journal of Proteome Research</i> , 2017 , 16, 4177-4184	5.6	34
294	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	8.5	34
293	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	5.4	33
292	Metabolomics Analysis of Human Vitreous in Diabetic Retinopathy and Rhegmatogenous Retinal Detachment. <i>Journal of Proteome Research</i> , 2018 , 17, 2421-2427	5.6	32
291	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	4.9	32
290	A mass spectrometry-based targeted metabolomics strategy of human blastocoele fluid: a promising tool in fertility research. <i>Molecular BioSystems</i> , 2012 , 8, 953-8		32
289	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	9.9	31
288	Adaptive remodeling of skeletal muscle energy metabolism in high-altitude hypoxia: Lessons from AltitudeOmics. <i>Journal of Biological Chemistry</i> , 2018 , 293, 6659-6671	5.4	31
287	Donor glucose-6-phosphate dehydrogenase deficiency decreases blood quality for transfusion. <i>Journal of Clinical Investigation</i> , 2020 , 130, 2270-2285	15.9	31

286	Supernatant protein biomarkers of red blood cell storage hemolysis as determined through an absolute quantification proteomics technology. <i>Transfusion</i> , 2016 , 56, 1329-39	2.9	31
285	The Rodent Liver Undergoes Weaning-Induced Involution and Supports Breast Cancer Metastasis. <i>Cancer Discovery</i> , 2017 , 7, 177-187	24.4	30
284	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,	11.5	30
283	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	6.6	30
282	Dynamic changes in rat mesenteric lymph proteins following trauma using label-free mass spectrometry. <i>Shock</i> , 2014 , 42, 509-17	3.4	29
281	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	7.8	29
280	Chronological storage age and metabolic age of stored red blood cells: are they the same?. <i>Transfusion</i> , 2019 , 59, 1620-1623	2.9	28
279	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, 1290-304		28
278	The egg white and yolk interactomes as gleaned from extensive proteomic data. <i>Journal of Proteomics</i> , 2010 , 73, 1028-42	3.9	28
277	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	3.3	28
276	Red blood cell subpopulations in freshly drawn blood: application of proteomics and metabolomics to a decades-long biological issue. <i>Blood Transfusion</i> , 2013 , 11, 75-87	3.6	28
275	Metabolomics and cancer drug discovery: let the cells do the talking. <i>Drug Discovery Today</i> , 2012 , 17, 3-9	8.8	27
274	Loss of Notch1-dependent p21(Waf1/Cip1) expression influences the Notch1 outcome in tumorigenesis. <i>Cell Cycle</i> , 2014 , 13, 2046-55	4.7	27
273	Plasma QconCATs reveal a gender-specific proteomic signature in apheresis platelet plasma supernatants. <i>Journal of Proteomics</i> , 2015 , 120, 1-6	3.9	26
272	Metabolic effect of alkaline additives and guanosine/gluconate in storage solutions for red blood cells. <i>Transfusion</i> , 2018 , 58, 1992-2002	2.9	26
271	Pyrrroloquinoline 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	6	26
270	Haemoglobin glycation (Hb1Ac) increases during red blood cell storage: a MALDI-TOF mass-spectrometry-based investigation. <i>Vox Sanguinis</i> , 2013 , 105, 177-80	3.1	26
269	Fatty acid metabolism underlies venetoclax resistance in acute myeloid leukemia stem cells. <i>Nature Cancer</i> , 2020 , 1, 1176-1187	15.4	26

268	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	5.6	25
267	Coordinate Regulation of Cholesterol and Bile Acid Metabolism by the Clock Modifier Nobiletin in Metabolically Challenged Old Mice. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	25
266	Lymph is not a plasma ultrafiltrate: a proteomic analysis of injured patients. <i>Shock</i> , 2014 , 42, 485-498	3.4	25
265	Red blood cell storage in SAGM and AS3: a comparison through the membrane two-dimensional electrophoresis proteome. <i>Blood Transfusion</i> , 2012 , 10 Suppl 2, s46-54	3.6	25
264	Clonal expansion of vaccine-elicited T cells is independent of aerobic glycolysis. <i>Science Immunology</i> , 2018 , 3,	2.8	25
263	Omics integrating physical techniques: aged Piedmontese meat analysis. <i>Food Chemistry</i> , 2015 , 172, 7318-19	3.4	24
262	Structural and Functional Insight of Sphingosine 1-Phosphate-Mediated Pathogenic Metabolic Reprogramming in Sickle Cell Disease. <i>Scientific Reports</i> , 2017 , 7, 15281	4.9	24
261	Troubleshooting in platelet storage temperature and new perspectives through proteomics. <i>Blood Transfusion</i> , 2010 , 8 Suppl 3, s73-81	3.6	24
260	Rational Design of a Parthenolide-based Drug Regimen That Selectively Eradicates Acute Myelogenous Leukemia Stem Cells. <i>Journal of Biological Chemistry</i> , 2016 , 291, 21984-22000	5.4	24
259	Effects of aged stored autologous red blood cells on human plasma metabolome. <i>Blood Advances</i> , 2019 , 3, 884-896	7.8	24
258	In situ mapping identifies distinct vascular niches for myelopoiesis. <i>Nature</i> , 2021 , 590, 457-462	50.4	24
257	Omics markers of the red cell storage lesion and metabolic linkage. <i>Blood Transfusion</i> , 2017 , 15, 137-144	3.6	23
256	Higher Gestational Choline Levels in Maternal Infection Are Protective for Infant Brain Development. <i>Journal of Pediatrics</i> , 2019 , 208, 198-206.e2	3.6	22
255	Shock releases bile acid inducing platelet inhibition and fibrinolysis. <i>Journal of Surgical Research</i> , 2015 , 195, 390-5	2.5	22
254	Native protein complexes in the cytoplasm of red blood cells. <i>Journal of Proteome Research</i> , 2013 , 12, 3529-46	5.6	22
253	Pharmacoproteomics: a chess game on a protein field. <i>Drug Discovery Today</i> , 2010 , 15, 1015-23	8.8	22
252	Enhancing uniformity and overall quality of red cell concentrate with anaerobic storage. <i>Blood Transfusion</i> , 2017 , 15, 172-181	3.6	22
251	The plasma metabolome as a predictor of biological aging in humans. <i>GeroScience</i> , 2019 , 41, 895-906	8.9	21

250	Red Blood Cell Metabolic Responses to Torpor and Arousal in the Hibernator Arctic Ground Squirrel. <i>Journal of Proteome Research</i> , 2019 , 18, 1827-1841	5.6	20
249	Murine macrophages response to iron. <i>Journal of Proteomics</i> , 2012 , 76 Spec No., 10-27	3.9	20
248	Absence of aquaporin-4 in skeletal muscle alters proteins involved in bioenergetic pathways and calcium handling. <i>PLoS ONE</i> , 2011 , 6, e19225	3.7	20
247	The anti-inflammatory cytokine interleukin-37 is an inhibitor of trained immunity. <i>Cell Reports</i> , 2021 , 35, 108955	10.6	20
246	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	4.2	19
245	Proteomics of apheresis platelet supernatants during routine storage: Gender-related differences. <i>Journal of Proteomics</i> , 2015 , 112, 190-209	3.9	19
244	The SODyssey: superoxide dismutases from biochemistry, through proteomics, to oxidative stress, aging and nutraceuticals. <i>Expert Review of Proteomics</i> , 2011 , 8, 405-21	4.2	19
243	Clinical metabolomics: the next stage of clinical biochemistry. <i>Blood Transfusion</i> , 2012 , 10 Suppl 2, s19-24.6		19
242	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	8.8	19
241	Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron. <i>Npj Biofilms and Microbiomes</i> , 2019 , 5, 26	8.2	18
240	Vascular Adaptation of the Right Ventricle in Experimental Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018 , 59, 479-489	5.7	18
239	Folate dietary insufficiency and folic acid supplementation similarly impair metabolism and compromise hematopoiesis. <i>Haematologica</i> , 2017 , 102, 1985-1994	6.6	18
238	Redox proteomics and drug development. <i>Journal of Proteomics</i> , 2011 , 74, 2575-95	3.9	18
237	Seroconversion stages COVID19 into distinct pathophysiological states. <i>ELife</i> , 2021 , 10,	8.9	18
236	Mitochondrial ATP fuels ABC transporter-mediated drug efflux in cancer chemoresistance. <i>Nature Communications</i> , 2021 , 12, 2804	17.4	18
235	Glutamine metabolism drives succinate accumulation in plasma and the lung during hemorrhagic shock. <i>Journal of Trauma and Acute Care Surgery</i> , 2016 , 81, 1012-1019	3.3	18
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98	Multi-Omic Analysis Reveals Disruption of Cholesterol Homeostasis by Cannabidiol in Human Cell Lines		3
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