

# J Philip Mccoy

## List of Publications by Year in descending order

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122  
papers

8,437  
citations

50276

46  
h-index

46799

89  
g-index

125  
all docs

125  
docs citations

125  
times ranked

16198  
citing authors

#	ARTICLE	IF	CITATIONS
1	Standardizing immunophenotyping for the Human Immunology Project. <i>Nature Reviews Immunology</i> , 2012, 12, 191-200.	22.7	919
2	The Mammalian Target of Rapamycin (mTOR) Pathway Regulates Mitochondrial Oxygen Consumption and Oxidative Capacity. <i>Journal of Biological Chemistry</i> , 2006, 281, 27643-27652.	3.4	524
3	Multiplex bead array assays: Performance evaluation and comparison of sensitivity to ELISA. <i>Methods</i> , 2006, 38, 317-323.	3.8	456
4	Multiplex bead array assays for detection of soluble cytokines: Comparisons of sensitivity and quantitative values among kits from multiple manufacturers. <i>Cytometry</i> , 2004, 61B, 35-39.	1.8	293
5	Detection of circulating endothelial cells and endothelial progenitor cells by flow cytometry. <i>Cytometry Part B - Clinical Cytometry</i> , 2005, 64B, 1-8.	1.5	277
6	Granulocyte Colony-Stimulating Factor Mobilizes Functional Endothelial Progenitor Cells in Patients With Coronary Artery Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 296-301.	2.4	240
7	Standardizing Flow Cytometry Immunophenotyping Analysis from the Human Immunophenotyping Consortium. <i>Scientific Reports</i> , 2016, 6, 20686.	3.3	240
8	Oncogenic HPV infection interrupts the expression of tumor-suppressive miR-34a through viral oncoprotein E6. <i>Rna</i> , 2009, 15, 637-647.	3.5	203
9	The E7 Oncoprotein Is Translated from Spliced E6*1 Transcripts in High-Risk Human Papillomavirus Type 16- or Type 18-Positive Cervical Cancer Cell Lines via Translation Reinitiation. <i>Journal of Virology</i> , 2006, 80, 4249-4263.	3.4	187
10	Standing surface acoustic wave (SSAW) based multichannel cell sorting. <i>Lab on A Chip</i> , 2012, 12, 4228.	6.0	186
11	Molecular and genetic analysis of disseminated neoplastic cells in lymphangioliomyomatosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 17462-17467.	7.1	184
12	Mitochondrial Metabolism Modulates Differentiation and Teratoma Formation Capacity in Mouse Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 28506-28512.	3.4	179
13	An On-Chip, Multichannel Droplet Sorter Using Standing Surface Acoustic Waves. <i>Analytical Chemistry</i> , 2013, 85, 5468-5474.	6.5	149
14	Human bone marrow assessment by single-cell RNA sequencing, mass cytometry, and flow cytometry. <i>JCI Insight</i> , 2018, 3, .	5.0	135
15	A model for harmonizing flow cytometry in clinical trials. <i>Nature Immunology</i> , 2010, 11, 975-978.	14.5	130
16	A high-throughput acoustic cell sorter. <i>Lab on A Chip</i> , 2015, 15, 3870-3879.	6.0	126
17	GA binding protein regulates interleukin 7 receptor $\alpha$ -chain gene expression in T cells. <i>Nature Immunology</i> , 2004, 5, 1036-1044.	14.5	125
18	Mitochondrial respiration protects against oxygen-associated DNA damage. <i>Nature Communications</i> , 2010, 1, 5.	12.8	121

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19	Regression of human kidney cancer following allogeneic stem cell transplantation is associated with recognition of an HERV-E antigen by T cells. <i>Journal of Clinical Investigation</i> , 2008, 118, 1099-1109.	8.2	118
20	Sequential paraformaldehyde and methanol fixation for simultaneous flow cytometric analysis of DNA, cell surface proteins, and intracellular proteins. <i>Cytometry</i> , 1992, 13, 432-444.	1.8	113
21	CD146 (Mel-CAM), an adhesion marker of endothelial cells, is a novel marker of lymphocyte subset activation in normal peripheral blood. <i>Blood</i> , 2005, 106, 2923-2924.	1.4	103
22	Overcoming graft rejection in heavily transfused and allo-immunised patients with bone marrow failure syndromes using fludarabine-based haematopoietic cell transplantation. <i>British Journal of Haematology</i> , 2006, 133, 305-314.	2.5	102
23	An integrated, multiparametric flow cytometry chip using microfluidic drifting-based three-dimensional hydrodynamic focusing. <i>Biomicrofluidics</i> , 2012, 6, 24113-241139.	2.4	102
24	Characterization of the murine SIRT3 mitochondrial localization sequence and comparison of mitochondrial enrichment and deacetylase activity of long and short SIRT3 isoforms. <i>Journal of Cellular Biochemistry</i> , 2010, 110, 238-247.	2.6	99
25	Coordination of mitochondrial bioenergetics with G <sub>1</sub> phase cell cycle progression. <i>Cell Cycle</i> , 2008, 7, 1782-1787.	2.6	96
26	Live Attenuated <i>Leishmania donovani</i> p27 Gene Knockout Parasites Are Nonpathogenic and Elicit Long-Term Protective Immunity in BALB/c Mice. <i>Journal of Immunology</i> , 2013, 190, 2138-2149.	0.8	94
27	Evaluation of Multiplexed Cytokine and Inflammation Marker Measurements: a Methodologic Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2011, 20, 1902-1911.	2.5	89
28	Reduction of GVHD and enhanced antitumor effects after adoptive infusion of alloreactive Ly49-mismatched NK cells from MHC-matched donors. <i>Blood</i> , 2007, 109, 3603-3606.	1.4	88
29	Continuous enrichment of low-abundance cell samples using standing surface acoustic waves (SSAW). <i>Lab on A Chip</i> , 2014, 14, 924-930.	6.0	88
30	Metastatic potential of murine fibrosarcoma cells is influenced by cell surface laminin. <i>International Journal of Cancer</i> , 1984, 33, 651-655.	5.1	87
31	Restricted mitochondrial protein acetylation initiates mitochondrial autophagy. <i>Journal of Cell Science</i> , 2013, 126, 4843-9.	2.0	85
32	Baseline Levels and Temporal Stability of 27 Multiplexed Serum Cytokine Concentrations in Healthy Subjects. <i>PLoS ONE</i> , 2013, 8, e76091.	2.5	85
33	Effect of anticoagulants on multiplexed measurement of cytokine/chemokines in healthy subjects. <i>Cytokine</i> , 2012, 60, 438-446.	3.2	80
34	Targeted Disruption of Kaposi's Sarcoma-Associated Herpesvirus ORF57 in the Viral Genome Is Detrimental for the Expression of ORF59, K8 $\pm$ , and K8.1 and the Production of Infectious Virus. <i>Journal of Virology</i> , 2007, 81, 1062-1071.	3.4	76
35	Acoustofluidic Fluorescence Activated Cell Sorter. <i>Analytical Chemistry</i> , 2015, 87, 12051-12058.	6.5	76
36	5A, an Apolipoprotein A-I Mimetic Peptide, Attenuates the Induction of House Dust Mite-Induced Asthma. <i>Journal of Immunology</i> , 2011, 186, 576-583.	0.8	68

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37	Phenotypic Characterization of Disseminated Cells with <i>TSC2</i> Loss of Heterozygosity in Patients with Lymphangiomyomatosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 1410-1418.	5.6	64
38	Imaging flow cytometry for automated detection of hypoxia-induced erythrocyte shape change in sickle cell disease. <i>American Journal of Hematology</i> , 2014, 89, 598-603.	4.1	60
39	MCAM-expressing CD4+ T cells in peripheral blood secrete IL-17A and are significantly elevated in inflammatory autoimmune diseases. <i>Journal of Autoimmunity</i> , 2011, 37, 319-327.	6.5	58
40	Neutrophil Subsets, Platelets, and Vascular Disease in Psoriasis. <i>JACC Basic To Translational Science</i> , 2019, 4, 1-14.	4.1	56
41	Endothelial Progenitor Cell Mobilization and Increased Intravascular Nitric Oxide in Patients Undergoing Cardiac Rehabilitation. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2007, 27, 65-73.	2.1	54
42	In vitro and in vivo evidence of PNH cell sensitivity to immune attack after nonmyeloablative allogeneic hematopoietic cell transplantation. <i>Blood</i> , 2004, 103, 1383-1390.	1.4	52
43	Sub-micrometer-precision, three-dimensional (3D) hydrodynamic focusing via microfluidic drifting. <i>Lab on A Chip</i> , 2014, 14, 415-423.	6.0	52
44	Characterization of the Humoral Immune Response to Bovine Collagen Implants. <i>Archives of Dermatology</i> , 1985, 121, 990.	1.4	51
45	An acoustofluidic sputum liquefier. <i>Lab on A Chip</i> , 2015, 15, 3125-3131.	6.0	51
46	Mitochondrial DNA sequence variation in single cells from leukemia patients. <i>Blood</i> , 2007, 109, 756-762.	1.4	49
47	The Transcription Factor GABP Is a Critical Regulator of B Lymphocyte Development. <i>Immunity</i> , 2007, 26, 421-431.	14.3	47
48	Apolipoprotein A-I Attenuates Ovalbumin-Induced Neutrophilic Airway Inflammation via a Granulocyte Colony-Stimulating Factor-Dependent Mechanism. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 47, 186-195.	2.9	45
49	A unique population of effector memory lymphocytes identified by CD146 having a distinct immunophenotypic and genomic profile. <i>BMC Immunology</i> , 2007, 8, 29.	2.2	44
50	Secretion of interleukin-17 by CD8+ T cells expressing CD146 (MCAM). <i>Clinical Immunology</i> , 2014, 152, 36-47.	3.2	44
51	Subinfectious hepatitis C virus exposures suppress T cell responses against subsequent acute infection. <i>Nature Medicine</i> , 2013, 19, 1638-1642.	30.7	43
52	Systematic Analysis of Cell-to-Cell Expression Variation of T Lymphocytes in a Human Cohort Identifies Aging and Genetic Associations. <i>Immunity</i> , 2016, 45, 1162-1175.	14.3	42
53	Products of cells cultured from gliomas. IV. Extracellular matrix proteins of gliomas. <i>International Journal of Cancer</i> , 1986, 37, 867-874.	5.1	40
54	Marked mitochondrial DNA sequence heterogeneity in single CD34+ cell clones from normal adult bone marrow. <i>Blood</i> , 2004, 103, 553-561.	1.4	39

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55	High dimensional flow cytometry for comprehensive leukocyte immunophenotyping (CLIP) in translational research. <i>Journal of Immunological Methods</i> , 2011, 363, 245-261.	1.4	39
56	Sirolimus Decreases Circulating Lymphangioliomyomatosis Cells in Patients With Lymphangioliomyomatosis. <i>Chest</i> , 2014, 145, 108-112.	0.8	39
57	In vivo effects of horse and rabbit antithymocyte globulin in patients with severe aplastic anemia. <i>Haematologica</i> , 2014, 99, 1433-1440.	3.5	38
58	Endothelial-binding, proinflammatory T cells identified by MCAM (CD146) expression: Characterization and role in human autoimmune diseases. <i>Autoimmunity Reviews</i> , 2015, 14, 415-422.	5.8	36
59	Mitochondrial DNA sequence heterogeneity in circulating normal human CD34 cells and granulocytes. <i>Blood</i> , 2004, 103, 4466-4477.	1.4	35
60	From Cellular Characteristics to Disease Diagnosis: Uncovering Phenotypes with Supercells. <i>PLoS Computational Biology</i> , 2013, 9, e1003215.	3.2	34
61	Age-dependent accumulation of mtDNA mutations in murine hematopoietic stem cells is modulated by the nuclear genetic background. <i>Human Molecular Genetics</i> , 2007, 16, 286-294.	2.9	33
62	Microarray-Based Characterization of a Colony Assay Used to Investigate Endothelial Progenitor Cells and Relevance to Endothelial Function in Humans. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 121-127.	2.4	33
63	Imaging flow cytometry for morphologic and phenotypic characterization of rare circulating endothelial cells. <i>Cytometry Part B - Clinical Cytometry</i> , 2013, 84, 379-389.	1.5	33
64	ATP-Binding Cassette Transporter 1 Attenuates Ovalbumin-Induced Neutrophilic Airway Inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 51, 626-636.	2.9	32
65	Dendritic cells induce Th2-mediated airway inflammatory responses to house dust mite via DNA-dependent protein kinase. <i>Nature Communications</i> , 2015, 6, 6224.	12.8	32
66	Masks in imaging flow cytometry. <i>Methods</i> , 2017, 112, 9-17.	3.8	32
67	Phenotypic complexity of T regulatory subsets in patients with B-chronic lymphocytic leukemia. <i>Modern Pathology</i> , 2012, 25, 246-259.	5.5	31
68	Differences in the Phenotype, Cytokine Gene Expression Profiles, and In Vivo Alloreactivity of T Cells Mobilized with Plerixafor Compared with G-CSF. <i>Journal of Immunology</i> , 2013, 191, 6241-6249.	0.8	31
69	CD146+ T lymphocytes are increased in both the peripheral circulation and in the synovial effusions of patients with various musculoskeletal diseases and display proinflammatory gene profiles. <i>Cytometry Part B - Clinical Cytometry</i> , 2010, 78B, 88-95.	1.5	29
70	Caspase-7 Cleavage of Kaposi Sarcoma-associated Herpesvirus ORF57 Confers a Cellular Function against Viral Lytic Gene Expression. <i>Journal of Biological Chemistry</i> , 2010, 285, 11297-11307.	3.4	29
71	Fasting-induced FOXO4 blunts human CD4+ T helper cell responsiveness. <i>Nature Metabolism</i> , 2021, 3, 318-326.	11.9	29
72	Acoustofluidic Transfer of Inflammatory Cells from Human Sputum Samples. <i>Analytical Chemistry</i> , 2016, 88, 5655-5661.	6.5	28

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73	Imaging flow cytometry for the study of erythroid cell biology and pathology. <i>Journal of Immunological Methods</i> , 2015, 423, 52-59.	1.4	27
74	flowCL: ontology-based cell population labelling in flow cytometry. <i>Bioinformatics</i> , 2015, 31, 1337-1339.	4.1	25
75	A Rapid Immunostaining Method Utilizing Preformed Antibody-Avidin-Biotin-Peroxidase Complexes. <i>American Journal of Clinical Pathology</i> , 1985, 83, 636-639.	0.7	23
76	Attachment, spreading and growth in vitro of highly malignant and low malignant murine fibrosarcoma cells. <i>Clinical and Experimental Metastasis</i> , 1985, 3, 45-59.	3.3	23
77	Accumulation of mtDNA variations in human single CD34+ cells from maternally related individuals: Effects of aging and family genetic background. <i>Stem Cell Research</i> , 2013, 10, 361-370.	0.7	20
78	Peptidoglycan Recognition Protein 1 Promotes House Dust Mite-Induced Airway Inflammation in Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 902-911.	2.9	20
79	Current Practices in Clinical Flow Cytometry: A Practice Survey by the American Society of Clinical Pathologists. <i>American Journal of Clinical Pathology</i> , 1999, 111, 161-168.	0.7	18
80	Mitochondrial DNA spectra of single human CD34+ cells, T cells, B cells, and granulocytes. <i>Blood</i> , 2005, 106, 3271-3284.	1.4	18
81	Low-density lipoprotein receptor-related protein 1 attenuates house dust mite-induced eosinophilic airway inflammation by suppressing dendritic cell-mediated adaptive immune responses. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 1066-1079.e6.	2.9	17
82	A Survey of Current Practices in Clinical Flow Cytometry. <i>American Journal of Clinical Pathology</i> , 1996, 106, 82-86.	0.7	16
83	Studying the Human Immunome: The Complexity of Comprehensive Leukocyte Immunophenotyping. <i>Current Topics in Microbiology and Immunology</i> , 2013, 377, 23-60.	1.1	16
84	Differential Role of Leptin as an Immunomodulator in Controlling Visceral Leishmaniasis in Normal and Leptin-Deficient Mice. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 95, 109-119.	1.4	16
85	Guidelines for Gating Flow Cytometry Data for Immunological Assays. <i>Methods in Molecular Biology</i> , 2019, 2032, 81-104.	0.9	16
86	OMIP004: In-depth characterization of human T regulatory cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2012, 81A, 15-16.	1.5	15
87	Immune cell phenotyping in low blood volumes for assessment of cardiovascular disease risk, development, and progression: a pilot study. <i>Journal of Translational Medicine</i> , 2020, 18, 29.	4.4	14
88	Connective tissue diseases and bovine collagen implants. <i>Journal of the American Academy of Dermatology</i> , 1987, 16, 315-318.	1.2	13
89	Alterations of T-cell receptor variable region expression in human immunodeficiency virus disease. <i>Cytometry</i> , 1995, 22, 1-9.	1.8	13
90	Products of cells from gliomas: IX. Evidence that two fundamentally different mechanisms change extracellular matrix expression by gliomas. <i>Journal of Neuro-Oncology</i> , 1995, 24, 267-279.	2.9	13

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91	The application of lectins to the characterization and isolation of mammalian cell populations. <i>Cancer and Metastasis Reviews</i> , 1987, 6, 595-613.	5.9	12
92	Immunophenotypic analysis of the T cell receptor V $\gamma$ repertoire in CD4+ and CD8+ lymphocytes from normal peripheral blood. <i>J Immunol</i> , 1996, 26, 148-153.		12
93	IL-17A Production in Human Psoriatic Blood and Lesions by CD146+ T Cells. <i>Journal of Investigative Dermatology</i> , 2015, 135, 311-314.	0.7	12
94	Dendritic Cell-Restricted Progenitors Contribute to Obesity-Associated Airway Inflammation via Adam17-p38 MAPK-Dependent Pathway. <i>Frontiers in Immunology</i> , 2020, 11, 363.	4.8	12
95	The Very Low Density Lipoprotein Receptor Attenuates House Dust Mite-Induced Airway Inflammation by Suppressing Dendritic Cell-Mediated Adaptive Immune Responses. <i>Journal of Immunology</i> , 2014, 192, 4497-4509.	0.8	11
96	Sickle Cell Imaging Flow Cytometry Assay (SIFCA). <i>Methods in Molecular Biology</i> , 2016, 1389, 279-292.	0.9	11
97	Griffonia simplicifolia I isolectin as a functionally monovalent probe for use in flow cytometry. <i>Cytometry</i> , 1986, 7, 142-146.	1.8	10
98	Targeted antagonism of CXCR4 mobilizes progenitor cells under investigation for cardiovascular disease. <i>Cytotherapy</i> , 2009, 11, 1016-1019.	0.7	9
99	Cells of Myeloid Origin Partly Mediate the Association between Psoriasis Severity and Coronary Atherosclerosis. <i>Journal of Investigative Dermatology</i> , 2020, 140, 912-915.e1.	0.7	9
100	Transcriptional profiling of CD133+ cells in coronary artery disease and effects of exercise on gene expression. <i>Cytotherapy</i> , 2011, 13, 227-236.	0.7	8
101	B Cell Anomalies in Autoimmune Retinopathy (AIR). <i>Investigative Ophthalmology and Visual Science</i> , 2017, 58, 3600.		8
102	Circulating Lymphangiomyomatosis Tumor Cells With Loss of Heterozygosity in the TSC2 Gene Show Increased Aldehyde Dehydrogenase Activity. <i>Chest</i> , 2019, 156, 298-307.	0.8	8
103	Mitochondrial DNA Sequence Heterogeneity of Single CD34+ Cells After Nonmyeloablative Allogeneic Stem Cell Transplantation. <i>Stem Cells</i> , 2007, 25, 2670-2676.	3.2	7
104	Haem augments and iron chelation decreases toll-like receptor 4 mediated inflammation in monocytes from sickle cell patients. <i>British Journal of Haematology</i> , 2018, 181, 552-554.	2.5	7
105	Imaging flow cytometry documents incomplete resistance of human sickle F-cells to ex vivo hypoxia-induced sickling. <i>Blood</i> , 2014, 124, 658-660.	1.4	6
106	Detection and Characterization of Rare Circulating Endothelial Cells by Imaging Flow Cytometry. <i>Methods in Molecular Biology</i> , 2016, 1389, 249-264.	0.9	5
107	Early Myeloid Derived Suppressor Cells (eMDSCs) Are Associated With High Donor Myeloid Chimerism Following Haploidentical HSCT for Sickle Cell Disease. <i>Frontiers in Immunology</i> , 2021, 12, 757279.	4.8	5
108	Apparent mtDNA sequence heterogeneity in single human blood CD34+ cells is markedly affected by storage and transport. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2013, 751-752, 36-41.	1.0	4

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109	Report of the Clinical Practice Task Force survey of the Clinical Cytometry Society. <i>Cytometry</i> , 2001, 46, 177-183.	1.8	3
110	B Cell Deficiency in Patients with Relapsed and Refractory Acute Myeloid Leukemia. <i>Clinical Hematology International</i> , 2020, 2, 125.	1.7	3
111	Letter to editor. <i>Cytometry</i> , 1996, 26, 178-181.	1.8	2
112	Circulating Endothelial Progenitor Cells in Adults with Sickle Cell Disease. <i>Pulmonary Circulation</i> , 2013, 3, 448-449.	1.7	2
113	Ultra-Low Dose IL-2 Safely Expands Regulatory T Cells and CD56bright NK Cells in Healthy Volunteers: Towards Safer Stem Cell Donors?. <i>Blood</i> , 2012, 120, 3283-3283.	1.4	2
114	Medicaid and Medicare Reimbursement for Flow Cytometry. <i>American Journal of Clinical Pathology</i> , 2001, 115, 631-641.	0.7	2
115	Characterization of Early Lymphocytes Emerging After Nonmyeloablative Conditioning and Hematopoietic Stem Cell Transplant Supported with Sirolimus. <i>Blood</i> , 2012, 120, 4150-4150.	1.4	2
116	Detection of the ras p21 gene product in human leukemias by flow cytometry. <i>Journal of Clinical Laboratory Analysis</i> , 1989, 3, 108-115.	2.1	1
117	Reducing variability in flow cytometry. <i>Nature Reviews Immunology</i> , 2012, 12, 396-396.	22.7	1
118	The National Institutes of Health Center for Human Immunology, Autoimmunity, and Inflammation: history and progress. <i>Annals of the New York Academy of Sciences</i> , 2013, 1285, 133-147.	3.8	1
119	Analysis of the T cell receptor (TCR) V beta repertoire in HIV disease. <i>Clinical Immunology Newsletter</i> , 1998, 18, 28-32.	0.1	0
120	Issue highlights November 2014. <i>Cytometry Part B - Clinical Cytometry</i> , 2014, 86, 371-372.	1.5	0
121	Issue Highlights September 2016. <i>Cytometry Part B - Clinical Cytometry</i> , 2016, 90, 401-403.	1.5	0
122	ISSUE HIGHLIGHTS May 2020. <i>Cytometry Part B - Clinical Cytometry</i> , 2020, 98, 213-215.	1.5	0