

# Kathleen A Stringer

## List of Publications by Year in descending order

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95  
papers

3,001  
citations

185998  
28  
h-index

182168  
51  
g-index

96  
all docs

96  
docs citations

96  
times ranked

4381  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metscape 2 bioinformatics tool for the analysis and visualization of metabolomics and gene expression data. <i>Bioinformatics</i> , 2012, 28, 373-380.	1.8	392
2	The Emerging Field of Quantitative Blood Metabolomics for Biomarker Discovery in Critical Illnesses. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 647-655.	2.5	167
3	Metabolic consequences of sepsis-induced acute lung injury revealed by plasma <sup>1</sup> H-nuclear magnetic resonance quantitative metabolomics and computational analysis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011, 300, L4-L11.	1.3	152
4	L-Carnitine and Acylcarnitines: Mitochondrial Biomarkers for Precision Medicine. <i>Metabolites</i> , 2021, 11, 51.	1.3	146
5	Untargeted LC-MS Metabolomics of Bronchoalveolar Lavage Fluid Differentiates Acute Respiratory Distress Syndrome from Health. <i>Journal of Proteome Research</i> , 2014, 13, 640-649.	1.8	106
6	Social Media Methods for Studying Rare Diseases. <i>Pediatrics</i> , 2014, 133, e1345-e1353.	1.0	101
7	Metabolomics and Its Application to Acute Lung Diseases. <i>Frontiers in Immunology</i> , 2016, 7, 44.	2.2	94
8	Demographic Characteristics and Estimated Prevalence of Fontan-Associated Plastic Bronchitis. <i>Pediatric Cardiology</i> , 2013, 34, 256-261.	0.6	92
9	Utility of magnetic resonance imaging and nuclear magnetic resonance-based metabolomics for quantification of inflammatory lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 295, L152-L161.	1.3	71
10	Emerging Role of Anticoagulants and Fibrinolytics in the Treatment of Acute Respiratory Distress Syndrome. <i>Pharmacotherapy</i> , 2007, 27, 860-873.	1.2	70
11	Fontan-Associated Protein-Losing Enteropathy and Plastic Bronchitis. <i>Journal of Pediatrics</i> , 2015, 166, 970-977.	0.9	70
12	Multiscale Distribution and Bioaccumulation Analysis of Clofazimine Reveals a Massive Immune System-Mediated Xenobiotic Sequestration Response. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 1218-1230.	1.4	67
13	Prospective, Longitudinal Study of Plastic Bronchitis Cast Pathology and Responsiveness to Tissue Plasminogen Activator. <i>Pediatric Cardiology</i> , 2011, 32, 1182-1189.	0.6	63
14	Whole Blood Reveals More Metabolic Detail of the Human Metabolome than Serum as Measured by <sup>1</sup> H-NMR Spectroscopy. <i>Shock</i> , 2015, 44, 200-208.	1.0	61
15	Pharmacometabolomics of L-Carnitine Treatment Response Phenotypes in Patients with Septic Shock. <i>Annals of the American Thoracic Society</i> , 2015, 12, 46-56.	1.5	57
16	Cigarette smoke extract-induced suppression of caspase-3-like activity impairs human neutrophil phagocytosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 292, L1572-L1579.	1.3	52
17	Metabolomics as a Driver in Advancing Precision Medicine in Sepsis. <i>Pharmacotherapy</i> , 2017, 37, 1023-1032.	1.2	51
18	Immune Abnormalities in Fontan Protein-Losing Enteropathy: A Case-Control Study. <i>Journal of Pediatrics</i> , 2015, 167, 331-337.	0.9	44

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19	Phagocytosed Clofazimine Biocrystals Can Modulate Innate Immune Signaling by Inhibiting TNF $\hat{\pm}$ and Boosting IL-1RA Secretion. <i>Molecular Pharmaceutics</i> , 2015, 12, 2517-2527.	2.3	44
20	New Strategies and Challenges in Lung Proteomics and Metabolomics. An Official American Thoracic Society Workshop Report. <i>Annals of the American Thoracic Society</i> , 2017, 14, 1721-1743.	1.5	44
21	Tissue Plasminogen Activator (tPA) Inhibits Interleukin-1 Induced Acute Lung Leak. <i>Free Radical Biology and Medicine</i> , 1998, 25, 184-188.	1.3	39
22	Signal Intensities Derived from Different NMR Probes and Parameters Contribute to Variations in Quantification of Metabolites. <i>PLoS ONE</i> , 2014, 9, e85732.	1.1	38
23	Chemical Analysis of Drug Biocrystals: A Role for Counterion Transport Pathways in Intracellular Drug Disposition. <i>Molecular Pharmaceutics</i> , 2015, 12, 2528-2536.	2.3	38
24	The Physicochemical Basis of Clofazimine-Induced Skin Pigmentation. <i>Journal of Investigative Dermatology</i> , 2018, 138, 697-703.	0.3	35
25	Pharmacometabolomics reveals a role for histidine, phenylalanine, and threonine in the development of paclitaxel-induced peripheral neuropathy. <i>Breast Cancer Research and Treatment</i> , 2018, 171, 657-666.	1.1	34
26	Functional lower airways genomic profiling of the microbiome to capture active microbial metabolism. <i>European Respiratory Journal</i> , 2021, 58, 2003434.	3.1	34
27	Clofazimine Biocrystal Accumulation in Macrophages Upregulates Interleukin 1 Receptor Antagonist Production To Induce a Systemic Anti-Inflammatory State. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3470-3479.	1.4	33
28	Bronchoalveolar Lavage Fluid from COPD Patients Reveals More Compounds Associated with Disease than Matched Plasma. <i>Metabolites</i> , 2019, 9, 157.	1.3	32
29	Critical Relevance of Stochastic Effects on Low-Bacterial-Biomass 16S rRNA Gene Analysis. <i>MBio</i> , 2020, 11, .	1.8	32
30	Lung Microbiota and Metabolites Collectively Associate with Clinical Outcomes in Milder Stage Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 427-439.	2.5	31
31	Serum citrullinated histone H3 concentrations differentiate patients with septic versus non-septic shock and correlate with disease severity. <i>Infection</i> , 2021, 49, 83-93.	2.3	28
32	Antiinflammatory Activity of Tissue Plasminogen Activator in the Carrageenan Rat Footpad Model. <i>Free Radical Biology and Medicine</i> , 1997, 22, 985-988.	1.3	27
33	Peptidylarginine deiminase 2 has potential as both a biomarker and therapeutic target of sepsis. <i>JCI Insight</i> , 2020, 5, .	2.3	27
34	Particulate phase cigarette smoke increases MnSOD, NQO1, and CINC-1 in rat lungs. <i>Free Radical Biology and Medicine</i> , 2004, 37, 1527-1533.	1.3	26
35	Inhibition of human neutrophil reactive oxygen species production and p67phox translocation by cigarette smoke extract. <i>Atherosclerosis</i> , 2005, 179, 261-267.	0.4	26
36	Associations of the plasma lipidome with mortality in the acute respiratory distress syndrome: a longitudinal cohort study. <i>Respiratory Research</i> , 2018, 19, 60.	1.4	26

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37	Immunophenotyping and Protein Profiling of Fontan-associated Plastic Bronchitis Airway Casts. <i>Annals of the American Thoracic Society</i> , 2013, 10, 98-107.	1.5	25
38	Septic Shock Nonsurvivors Have Persistently Elevated Acylcarnitines Following Carnitine Supplementation. <i>Shock</i> , 2018, 49, 412-419.	1.0	25
39	Rapid, Reproducible, Quantifiable NMR Metabolomics: Methanol and Methanol: Chloroform Precipitation for Removal of Macromolecules in Serum and Whole Blood. <i>Metabolites</i> , 2018, 8, 93.	1.3	25
40	Safety of prolonged, repeated administration of a pulmonary formulation of tissue plasminogen activator in mice. <i>Pulmonary Pharmacology and Therapeutics</i> , 2010, 23, 107-114.	1.1	22
41	A farâ€red fluorescent probe for flow cytometry and imageâ€based functional studies of xenobiotic sequestering macrophages. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015, 87, 855-867.	1.1	22
42	Emerging Biomarkers of Illness Severity: Urinary Metabolites Associated with Sepsis and Necrotizing Methicillinâ€Resistant <i>Staphylococcus aureus</i> Pneumonia. <i>Pharmacotherapy</i> , 2017, 37, 1033-1042.	1.2	22
43	Pharmacotherapy Challenges of Fontan-Associated Plastic Bronchitis: A Rare Pediatric Disease. <i>Pharmacotherapy</i> , 2013, 33, 922-934.	1.2	21
44	Macrophage-Mediated Clofazimine Sequestration Is Accompanied by a Shift in Host Energy Metabolism. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1162-1174.	1.6	20
45	Serum amino acid concentrations and clinical outcomes in smokers: SPIROMICS metabolomics study. <i>Scientific Reports</i> , 2019, 9, 11367.	1.6	20
46	Feasibility of Tissue Plasminogen Activator Formulated for Pulmonary Delivery. <i>Pharmaceutical Research</i> , 2005, 22, 1700-1707.	1.7	19
47	Massive Bioaccumulation and Selfâ€Assembly of Phenazine Compounds in Live Cells. <i>Advanced Science</i> , 2015, 2, 1500025.	5.6	18
48	Longitudinal Association Between Muscle Loss and Mortality in Ever Smokers. <i>Chest</i> , 2022, 161, 960-970.	0.4	18
49	Synthesis and Characterization of a Biomimetic Formulation of Clofazimine Hydrochloride Microcrystals for Parenteral Administration. <i>Pharmaceutics</i> , 2018, 10, 238.	2.0	17
50	&lt;p&gt;Disruption of histidine and energy homeostasis in chronic obstructive pulmonary disease&lt;p&gt;. <i>International Journal of COPD</i> , 2019, Volume 14, 2015-2025.	0.9	17
51	1D-1H-nuclear magnetic resonance metabolomics reveals age-related changes in metabolites associated with experimental venous thrombosis. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2016, 4, 221-230.	0.9	16
52	Reverse Engineering the Intracellular Self-Assembly of a Functional Mechanopharmaceutical Device. <i>Scientific Reports</i> , 2018, 8, 2934.	1.6	16
53	Detecting ordered small molecule drug aggregates in live macrophages: a multi-parameter microscope image data acquisition and analysis strategy. <i>Biomedical Optics Express</i> , 2017, 8, 860.	1.5	15
54	Tissue plasminogen activator (tPA) inhibits human neutrophil superoxide anion production in vitro. <i>Inflammation</i> , 1997, 21, 27-34.	1.7	14

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55	Atypical Antipsychotic Exposure May Not Differentiate Metabolic Phenotypes of Patients with Schizophrenia. <i>Pharmacotherapy</i> , 2018, 38, 638-650.	1.2	11
56	Untargeted Metabolomics Differentiates L-Carnitine Treated Septic Shock 1-Year Survivors and Nonsurvivors. <i>Journal of Proteome Research</i> , 2019, 18, 2004-2011.	1.8	11
57	Impact of the pre-illness lipid profile on sepsis mortality. <i>Journal of Critical Care</i> , 2020, 57, 197-202.	1.0	11
58	Serum Levels of Branched Chain Amino Acids Predict Duration of Cardiovascular Organ Failure in Septic Shock. <i>Shock</i> , 2021, 56, 65-72.	1.0	11
59	Using L-Carnitine as a Pharmacologic Probe of the Interpatient and Metabolic Variability of Sepsis. <i>Pharmacotherapy</i> , 2020, 40, 913-923.	1.2	10
60	Pharmacometabolomics identifies candidate predictor metabolites of an L-carnitine treatment mortality benefit in septic shock. <i>Clinical and Translational Science</i> , 2021, 14, 2288-2299.	1.5	10
61	ACCELERATED DOSING FREQUENCY OF A PULMONARY FORMULATION OF TISSUE PLASMINOGEN ACTIVATOR IS WELL-TOLERATED IN MICE. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2008, 35, 1454-1460.	0.9	9
62	A Multilevel Bayesian Approach to Improve Effect Size Estimation in Regression Modeling of Metabolomics Data Utilizing Imputation with Uncertainty. <i>Metabolites</i> , 2020, 10, 319.	1.3	9
63	Measurement of Short-Chain Fatty Acids in Respiratory Samples: Keep Your Assay above the Water Line. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 610-612.	2.5	9
64	ADMINISTRATION OF EXOGENOUS TISSUE PLASMINOGEN ACTIVATOR REDUCES OEDEMA IN MICE LACKING THE TISSUE PLASMINOGEN ACTIVATOR GENE. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2004, 31, 327-330.	0.9	8
65	An Expandable Mechanopharmaceutical Device (1): Measuring the Cargo Capacity of Macrophages in a Living Organism. <i>Pharmaceutical Research</i> , 2019, 36, 12.	1.7	8
66	COVID-19: The Uninvited Guest in the Intensive Care Unit – Implications for Pharmacotherapy. <i>Pharmacotherapy</i> , 2020, 40, 382-386.	1.2	8
67	A Metabolomic Severity Score for Airflow Obstruction and Emphysema. <i>Metabolites</i> , 2022, 12, 368.	1.3	8
68	A novel swine model of the acute respiratory distress syndrome using clinically relevant injury exposures. <i>Physiological Reports</i> , 2021, 9, e14871.	0.7	7
69	Citrullinated Histone H3 Mediates Sepsis-Induced Lung Injury Through Activating Caspase-1 Dependent Inflammasome Pathway. <i>Frontiers in Immunology</i> , 2021, 12, 761345.	2.2	7
70	Tissue Plasminogen Activator Inhibits Reactive Oxygen Species Production by Macrophages. <i>Pharmacotherapy</i> , 2000, 20, 375-379.	1.2	6
71	Cyst fluid metabolites distinguish malignant from benign pancreatic cysts. <i>Neoplasia</i> , 2021, 23, 1078-1088.	2.3	6
72	Inkjet-printed micro-calibration standards for ultraquantitative Raman spectral cytometry. <i>Analyst</i> , 2019, 144, 3790-3799.	1.7	5

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73	An Expandable Mechanopharmaceutical Device (2): Drug Induced Granulomas Maximize the Cargo Sequestering Capacity of Macrophages in the Liver. <i>Pharmaceutical Research</i> , 2019, 36, 3.	1.7	5
74	A Role for Low Density Lipoprotein Receptor-Related Protein 1 in the Cellular Uptake of Tissue Plasminogen Activator in the Lungs. <i>Pharmaceutical Research</i> , 2016, 33, 72-82.	1.7	4
75	An Expandable Mechanopharmaceutical Device (3): a Versatile Raman Spectral Cytometry Approach to Study the Drug Cargo Capacity of Individual Macrophages. <i>Pharmaceutical Research</i> , 2019, 36, 2.	1.7	4
76	A Multivariate Metabolomics Method for Estimating Platelet Mitochondrial Oxygen Consumption Rates in Patients with Sepsis. <i>Metabolites</i> , 2020, 10, 139.	1.3	4
77	A comprehensive assessment of multi-system responses to a renal inoculation of uropathogenic <i>E. coli</i> in swine. <i>PLoS ONE</i> , 2020, 15, e0243577.	1.1	4
78	An Adaptive Biosystems Engineering Approach towards Modeling the Soluble-to-Insoluble Phase Transition of Clofazimine. <i>Pharmaceutics</i> , 2022, 14, 17.	2.0	4
79	Quantitative Analysis of the Phase Transition Mechanism Underpinning the Systemic Self-Assembly of a Mechanopharmaceutical Device. <i>Pharmaceutics</i> , 2022, 14, 15.	2.0	4
80	Feasibility of pharmacometabolomics to identify potential predictors of paclitaxel pharmacokinetic variability. <i>Cancer Chemotherapy and Pharmacology</i> , 2021, 88, 475-483.	1.1	3
81	Breath analysis for detection and trajectory monitoring of acute respiratory distress syndrome in swine. <i>ERJ Open Research</i> , 2022, 8, 00154-2021.	1.1	3
82	Serum Levels of Acylcarnitines and Amino Acids Are Associated with Liberation from Organ Support in Patients with Septic Shock. <i>Journal of Clinical Medicine</i> , 2022, 11, 627.	1.0	3
83	Genetic and Metabolite Variability in One-Carbon Metabolism Applied to an Insulin Resistance Model in Patients With Schizophrenia Receiving Atypical Antipsychotics. <i>Frontiers in Psychiatry</i> , 2021, 12, 623143.	1.3	2
84	Clinical trials in thrombolytic therapy, Part 1: Outcome markers that go beyond mortality reduction. <i>American Journal of Health-System Pharmacy</i> , 1997, 54, S23-S26.	0.5	1
85	Low Expression Of Low Density Lipoprotein Receptor-Related Protein (LRP)-1 In The Airway Contributes To The Slow Elimination Of Lung Delivered Tissue Plasminogen Activator (tPA). , 2011, , .		1
86	Respiratory Colonization and Short-Term Temporal Changes in the Urinary Metabolome of Children. <i>Metabolites</i> , 2021, 11, 500.	1.3	1
87	Redox Potential Correlates With Changes in Metabolite Concentrations Attributable to Pathways Active in Oxidative Stress Response in Swine Traumatic Shock. <i>Shock</i> , 0, Publish Ahead of Print, .	1.0	1
88	Vitamin D insufficiency as a peripheral neuropathy risk factor in white and black patients in SWOG 0221.. <i>Journal of Clinical Oncology</i> , 2022, 40, 12023-12023.	0.8	1
89	Biomarkers in Obstructive Airway Diseases. <i>Respiratory Medicine</i> , 2020, , 131-153.	0.1	0
90	Title is missing!. , 2020, 15, e0243577.		0

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91	Title is missing!. , 2020, 15, e0243577.		0
92	Title is missing!. , 2020, 15, e0243577.		0
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94	Title is missing!. , 2020, 15, e0243577.		0
95	Title is missing!. , 2020, 15, e0243577.		0