

# James A Mobley

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

3,677  
citations

172457

29  
h-index

138484

58  
g-index

83  
all docs

83  
docs citations

83  
times ranked

6262  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma Exosome Hemoglobin Released During Surgery Is Associated With Cardiac Injury in Animal Model. <i>Annals of Thoracic Surgery</i> , 2023, 116, 834-843.	1.3	5
2	Integrated bioinformatics analysis identifies established and novel TGF $\beta$ 21-regulated genes modulated by anti-fibrotic drugs. <i>Scientific Reports</i> , 2022, 12, 3080.	3.3	5
3	Targeting the HuR Oncogenic Role with a New Class of Cytoplasmic Dimerization Inhibitors. <i>Cancer Research</i> , 2021, 81, 2220-2233.	0.9	19
4	Citrullinated vimentin mediates development and progression of lung fibrosis. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	60
5	Visualization and Identification of Bioorthogonally Labeled Exosome Proteins Following Systemic Administration in Mice. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 657456.	3.7	7
6	Biomarkers for Adverse Lung Injury Following Pediatric Cardiopulmonary Bypass. , 2021, 3, e0528.		6
7	Mesenchymal stromal cell aging impairs the self-organizing capacity of lung alveolar epithelial stem cells. <i>ELife</i> , 2021, 10, .	6.0	22
8	Analysis of mesenchymal stem cell proteomes in situ in the ischemic heart. <i>Theranostics</i> , 2020, 10, 11324-11338.	10.0	11
9	Phosphoprotein-based biomarkers as predictors for cancer therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18401-18411.	7.1	25
10	Elevated levels of extracellular vesicles in progranulin-deficient mice and FTD GRN Patients. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 2433-2449.	3.7	8
11	STRAP regulates alternative splicing fidelity during lineage commitment of mouse embryonic stem cells. <i>Nature Communications</i> , 2020, 11, 5941.	12.8	18
12	Reactive species generated by heme impair alveolar epithelial sodium channel function in acute respiratory distress syndrome. <i>Redox Biology</i> , 2020, 36, 101592.	9.0	21
13	Vascular permeability disruption explored in the proteomes of mouse lungs and human microvascular cells following acute bromine exposure. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 319, L337-L359.	2.9	7
14	Proteomic analysis of the <i>S. cerevisiae</i> response to the anticancer ruthenium complex KP1019. <i>Metallomics</i> , 2020, 12, 876-890.	2.4	9
15	Glucose-Regulated Protein 78 Autoantibodies Are Associated with Carotid Atherosclerosis in Chronic Obstructive Pulmonary Disease Patients. <i>ImmunoHorizons</i> , 2020, 4, 108-118.	1.8	3
16	Proteomic analysis of urinary extracellular vesicles reveal biomarkers for neurologic disease. <i>EBioMedicine</i> , 2019, 45, 351-361.	6.1	99
17	Myristoylated alanine-rich C-kinase substrate effector domain phosphorylation regulates the growth and radiation sensitization of glioblastoma. <i>International Journal of Oncology</i> , 2019, 54, 2039-2053.	3.3	6
18	Multi-Omics Profiling for NF1 Target Discovery in Neurofibromin (NF1) Deficient Cells. <i>Proteomics</i> , 2019, 19, e1800334.	2.2	5

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19	Oxylipins mediate cell-to-cell communication in <i>Pseudomonas aeruginosa</i> . <i>Communications Biology</i> , 2019, 2, 66.	4.4	24
20	Fibronectin on the Surface of Extracellular Vesicles Mediates Fibroblast Invasion. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 279-288.	2.9	68
21	Proteomic profiling of extracellular vesicles released from vascular smooth muscle cells during initiation of phosphate-induced mineralization. <i>Connective Tissue Research</i> , 2018, 59, 55-61.	2.3	22
22	Reactive species balance via GTP cyclohydrolase I regulates glioblastoma growth and tumor initiating cell maintenance. <i>Neuro-Oncology</i> , 2018, 20, 1055-1067.	1.2	27
23	The retinoid X receptor agonist, 9-cis UAB30, inhibits cutaneous T-cell lymphoma proliferation through the SKP2-p27kip1 axis. <i>Journal of Dermatological Science</i> , 2018, 90, 343-356.	1.9	17
24	Chemotherapy induces secretion of exosomes loaded with heparanase that degrades extracellular matrix and impacts tumor and host cell behavior. <i>Matrix Biology</i> , 2018, 65, 104-118.	3.6	172
25	Epitope mapping of <i>Salmonella</i> flagellar hook-associated protein, FlgK, with mass spectrometry-based immuno-capture proteomics using chicken ( <i>Gallus gallus domesticus</i> ) sera. <i>Veterinary Immunology and Immunopathology</i> , 2018, 201, 20-25.	1.2	1
26	Endostatin inhibits androgen-independent prostate cancer growth by suppressing nuclear receptor-mediated oxidative stress. <i>FASEB Journal</i> , 2017, 31, 1608-1619.	0.5	11
27	Identification of the amino acids inserted during suppression of CFTR nonsense mutations and determination of their functional consequences. <i>Human Molecular Genetics</i> , 2017, 26, 3116-3129.	2.9	69
28	CD4 + T cells from HIV-1 patients with impaired Th1 effector responses to <i>Mycobacterium tuberculosis</i> exhibit diminished histone and nucleoprotein signatures. <i>Clinical Immunology</i> , 2017, 181, 16-23.	3.2	3
29	Regulation of FcR $\gamma$ function by site-specific serine phosphorylation. <i>Journal of Leukocyte Biology</i> , 2017, 101, 421-428.	3.3	7
30	Abstract 1585: Endostatin inhibits androgen-independent prostate cancer growth by suppressing nuclear receptor-mediated oxidative stress. , 2017, , .		0
31	Abstract 5462: GTP cyclohydrolase in brain tumor stem cells is implicated in glioblastoma growth. , 2017, , .		0
32	Proteome Dynamics of the Specialist Oxalate Degradator <i>Oxalobacter formigenes</i> . <i>Journal of Proteomics and Bioinformatics</i> , 2016, 9, 19-24.	0.4	13
33	Surveying the serologic proteome in a tissue-specific <i>kras</i> (G12D) knockin mouse model of pancreatic cancer. <i>Proteomics</i> , 2016, 16, 516-531.	2.2	36
34	Ascorbic acid intake and oxalate synthesis. <i>Urolithiasis</i> , 2016, 44, 289-297.	2.0	80
35	Ataluren stimulates ribosomal selection of near-cognate tRNAs to promote nonsense suppression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12508-12513.	7.1	168
36	Conditioned Media From Adipose-Derived Stromal Cells Accelerates Healing in 3-Dimensional Skin Cultures. <i>Annals of Plastic Surgery</i> , 2016, 76, 446-452.	0.9	13

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37	Hyperoxia Induces Intracellular Acidification in Neonatal Mouse Lung Fibroblasts: Real-Time Investigation Using Plasmonically Enhanced Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2016, 138, 3779-3788.	13.7	32
38	LRRK2 autophosphorylation enhances its GTPase activity. <i>FASEB Journal</i> , 2016, 30, 336-347.	0.5	48
39	New World and Old World Alphaviruses Have Evolved to Exploit Different Components of Stress Granules, FXR and G3BP Proteins, for Assembly of Viral Replication Complexes. <i>PLoS Pathogens</i> , 2016, 12, e1005810.	4.7	138
40	Abstract 1011: Endostatin regulates androgen receptor-mediated metabolic and oxido-reductive pathways in prostate cancer cells. , 2016, , .		0
41	Analysis of the Human Proteome in Subcutaneous and Visceral Fat Depots in Diabetic and Non-diabetic Patients with Morbid Obesity. <i>Journal of Proteomics and Bioinformatics</i> , 2015, 08, 133-141.	0.4	13
42	SSBP3 Interacts With Islet-1 and Ldb1 to Impact Pancreatic $\beta$ -Cell Target Genes. <i>Molecular Endocrinology</i> , 2015, 29, 1774-1786.	3.7	17
43	Tyrosyl-DNA Phosphodiesterase I Catalytic Mutants Reveal an Alternative Nucleophile That Can Catalyze Substrate Cleavage. <i>Journal of Biological Chemistry</i> , 2015, 290, 6203-6214.	3.4	17
44	12/15-Lipoxygenase-dependent ROS production is required for diet-induced endothelial barrier dysfunction. <i>Journal of Lipid Research</i> , 2015, 56, 562-577.	4.2	20
45	Comparative proteomics analysis of high n-butanol producing metabolically engineered <i>Clostridium tyrobutyricum</i> . <i>Journal of Biotechnology</i> , 2015, 193, 108-119.	3.8	29
46	Abstract 5050: Proteome-based combined treatment strategies synergizing antagonism of androgen receptor function in prostate cancer. , 2015, , .		0
47	PERK-Dependent Activation of JAK1 and STAT3 Contributes to Endoplasmic Reticulum Stress-Induced Inflammation. <i>Molecular and Cellular Biology</i> , 2014, 34, 3911-3925.	2.3	182
48	Alterations in the Rat Serum Proteome Induced by Prepubertal Exposure to Bisphenol A and Genistein. <i>Journal of Proteome Research</i> , 2014, 13, 1502-1514.	3.7	24
49	Identification, virulence, and mass spectrometry of toxic ECP fractions of West Alabama isolates of <i>Aeromonas hydrophila</i> obtained from a 2010 disease outbreak. <i>Veterinary Microbiology</i> , 2013, 164, 336-343.	1.9	31
50	Validation of a robust proteomic analysis carried out on formalin-fixed paraffin-embedded tissues of the pancreas obtained from mouse and human. <i>Proteomics</i> , 2012, 12, 3393-3402.	2.2	22
51	Abstract 4807: Identification of pre-invasive pancreatic cancer serum biomarkers using genetically engineered mouse models and mass spectrometry techniques. , 2012, , .		1
52	Abstract A7: Surveying the serum proteome for early-stage pancreatic neoplasia biomarkers using genetically engineered mouse models.. , 2012, , .		0
53	Proteomic Discovery of Genistein Action in the Rat Mammary Gland. <i>Journal of Proteome Research</i> , 2011, 10, 1621-1631.	3.7	21
54	Self-Calibrated Warping for Mass Spectra Alignment. <i>Cancer Informatics</i> , 2011, 10, CIN.S6358.	1.9	20

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55	Proteomic analysis in mammary glands of rat offspring exposed in utero to bisphenol A. <i>Journal of Proteomics</i> , 2010, 73, 1241-1253.	2.4	47
56	Abundant Lipid and Protein Components of Drusen. <i>PLoS ONE</i> , 2010, 5, e10329.	2.5	293
57	Detection of early unfolding events in a dimeric protein by amide proton exchange and native electrospray mass spectrometry. <i>Protein Science</i> , 2009, 18, 1620-1627.	7.6	6
58	Structural heterogeneity and protein composition of exosome-like vesicles (prostasomes) in human semen. <i>Prostate</i> , 2009, 69, 159-167.	2.3	271
59	Applying Proteomic-Based Biomarker Tools for the Accurate Diagnosis of Pancreatic Cancer. <i>Journal of Gastrointestinal Surgery</i> , 2008, 12, 1683-1690.	1.7	33
60	Incorporation of scaffolding protein gpO in bacteriophages P2 and P4. <i>Virology</i> , 2008, 370, 352-361.	2.4	22
61	Differentiating Proteomic Biomarkers in Breast Cancer by Laser Capture Microdissection and MALDI MS. <i>Journal of Proteome Research</i> , 2008, 7, 1500-1507.	3.7	57
62	Capsid Size Determination by Staphylococcus aureus Pathogenicity Island SaPI1 Involves Specific Incorporation of SaPI1 Proteins into Procapsids. <i>Journal of Molecular Biology</i> , 2008, 380, 465-475.	4.2	50
63	559 Applying Proteomics Based Biomarker Tools for the Accurate Diagnosis of Pancreatic Cancer. <i>Gastroenterology</i> , 2008, 134, A-849.	1.3	0
64	Imaging Mass Spectrometry of Intact Proteins from Alcohol-Preserved Tissue Specimens: Bypassing Formalin Fixation. <i>Journal of Proteome Research</i> , 2008, 7, 3543-3555.	3.7	67
65	Monitoring Mouse Prostate Development by Profiling and Imaging Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 411-423.	3.8	65
66	IDENTIFICATION AND CHARACTERIZATION OF BRANCHED-CHAIN AMINO ACID (BCAA) METABOLON PROTEINS: ROLE OF GLUTAMATE DEHYDROGENASE. <i>FASEB Journal</i> , 2008, 22, 610.4.	0.5	0
67	Processing MALDI mass spectra to improve mass spectral direct tissue analysis. <i>International Journal of Mass Spectrometry</i> , 2007, 260, 212-221.	1.5	188
68	New Developments in Profiling and Imaging of Proteins from Tissue Sections by MALDI Mass Spectrometry. <i>Journal of Proteome Research</i> , 2006, 5, 2889-2900.	3.7	260
69	Selective Profiling of Proteins in Lung Cancer Cells from Fine-Needle Aspirates by Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry. <i>Clinical Cancer Research</i> , 2006, 12, 5142-5150.	7.0	50
70	A Novel Histology-directed Strategy for MALDI-MS Tissue Profiling That Improves Throughput and Cellular Specificity in Human Breast Cancer. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 1975-1983.	3.8	169
71	Mass profiling-directed isolation and identification of a stage-specific serologic protein biomarker of advanced prostate cancer. <i>Proteomics</i> , 2005, 5, 2927-2938.	2.2	42
72	Overexpression of Cytochrome P450 1A1 and Its Novel Spliced Variant in Ovarian Cancer Cells: Alternative Subcellular Enzyme Compartmentation May Contribute to Carcinogenesis. <i>Cancer Research</i> , 2005, 65, 3726-3734.	0.9	49

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73	The novel estrogen 17alpha-20Z-21-[(4-amino)phenyl]-19-norpregna-1,3,5(10),20-tetraene-3,17beta-diol induces apoptosis in prostate cancer cell lines at nanomolar concentrations in vitro. <i>Molecular Cancer Therapeutics</i> , 2004, 3, 587-95.	4.1	13
74	Synthesis and Estrogen Receptor Binding Affinities of 7-Hydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-ones Containing a Basic Side Chain.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
75	Synthesis and estrogen receptor binding affinities of 7-hydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-ones containing a basic side chain. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 1475-1478.	2.2	25
76	Estrogen receptor-mediated regulation of oxidative stress and DNA damage in breast cancer. <i>Carcinogenesis</i> , 2003, 25, 3-9.	2.8	133
77	Branched fatty acids in dairy and beef products markedly enhance alpha-methylacyl-CoA racemase expression in prostate cancer cells in vitro. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2003, 12, 775-83.	2.5	29
78	Increasing the DNA Damage Threshold in Breast Cancer Cells. <i>Toxicology and Applied Pharmacology</i> , 2002, 180, 219-226.	2.8	22
79	Effects of Phytoestrogens and Synthetic Combinatorial Libraries on Aromatase, Estrogen Biosynthesis, and Metabolism. <i>Annals of the New York Academy of Sciences</i> , 2001, 948, 51-66.	3.8	30
80	Measurement of Oxidative DNA Damage by Catechol Estrogens and Analogues in Vitro. <i>Chemical Research in Toxicology</i> , 1999, 12, 270-277.	3.3	67