

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 | Abundant Lipid and Protein Components of Drusen. PLoS ONE, 2010, 5, e10329. | 2.5 | 293 |
| 2 | Structural heterogeneity and protein composition of exosome-like vesicles (prostasomes) in human semen. Prostate, 2009, 69, 159-167. | 2.3 | 271 |
| 3 | New Developments in Profiling and Imaging of Proteins from Tissue Sections by MALDI Mass Spectrometry. Journal of Proteome Research, 2006, 5, 2889-2900. | 3.7 | 260 |
| 4 | Processing MALDI mass spectra to improve mass spectral direct tissue analysis. International Journal of Mass Spectrometry, 2007, 260, 212-221. | 1.5 | 188 |
| 5 | PERK-Dependent Activation of JAK1 and STAT3 Contributes to Endoplasmic Reticulum Stress-Induced Inflammation. Molecular and Cellular Biology, 2014, 34, 3911-3925. | 2.3 | 182 |
| 6 | Chemotherapy induces secretion of exosomes loaded with heparanase that degrades extracellular matrix and impacts tumor and host cell behavior. Matrix Biology, 2018, 65, 104-118. | 3.6 | 172 |
| 7 | A Novel Histology-directed Strategy for MALDI-MS Tissue Profiling That Improves Throughput and Cellular Specificity in Human Breast Cancer. Molecular and Cellular Proteomics, 2006, 5, 1975-1983. | 3.8 | 169 |
| 8 | Ataluren stimulates ribosomal selection of near-cognate tRNAs to promote nonsense suppression. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12508-12513. | 7.1 | 168 |
| 9 | 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. PLoS Pathogens, 2016, 12, e1005810. | 4.7 | 138 |
| 10 | Estrogen receptor-mediated regulation of oxidative stress and DNA damage in breast cancer. Carcinogenesis, 2003, 25, 3-9. | 2.8 | 133 |
| 11 | Proteomic analysis of urinary extracellular vesicles reveal biomarkers for neurologic disease. EBioMedicine, 2019, 45, 351-361. | 6.1 | 99 |
| 12 | Ascorbic acid intake and oxalate synthesis. Urolithiasis, 2016, 44, 289-297. | 2.0 | 80 |
| 13 | Identification of the amino acids inserted during suppression of CFTR nonsense mutations and determination of their functional consequences. Human Molecular Genetics, 2017, 26, 3116-3129. | 2.9 | 69 |
| 14 | Fibronectin on the Surface of Extracellular Vesicles Mediates Fibroblast Invasion. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 279-288. | 2.9 | 68 |
| 15 | Measurement of Oxidative DNA Damage by Catechol Estrogens and Analogues in Vitro. Chemical Research in Toxicology, 1999, 12, 270-277. | 3.3 | 67 |
| 16 | Imaging Mass Spectrometry of Intact Proteins from Alcohol-Preserved Tissue Specimens: Bypassing Formalin Fixation. Journal of Proteome Research, 2008, 7, 3543-3555. | 3.7 | 67 |
| 17 | Monitoring Mouse Prostate Development by Profiling and Imaging Mass Spectrometry. Molecular and Cellular Proteomics, 2008, 7, 411-423. | 3.8 | 65 |
| 18 | Citrullinated vimentin mediates development and progression of lung fibrosis. Science Translational Medicine, 2021, 13, . | 12.4 | 60 |

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|----|--|------|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | LRRK2 autophosphorylation enhances its GTPase activity. <i>FASEB Journal</i> , 2016, 30, 336-347. | 0.5 | 48 |
| 24 | 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 |
| 25 | 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 |
| 26 | Surveying the serologic proteome in a tissue-specific kras(G12D) knockin mouse model of pancreatic cancer. <i>Proteomics</i> , 2016, 16, 516-531. | 2.2 | 36 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|----|--|------|-----------|
| 37 | Oxylipins mediate cell-to-cell communication in <i>Pseudomonas aeruginosa</i> . <i>Communications Biology</i> , 2019, 2, 66. | 4.4 | 24 |
| 38 | Increasing the DNA Damage Threshold in Breast Cancer Cells. <i>Toxicology and Applied Pharmacology</i> , 2002, 180, 219-226. | 2.8 | 22 |
| 39 | Incorporation of scaffolding protein gpO in bacteriophages P2 and P4. <i>Virology</i> , 2008, 370, 352-361. | 2.4 | 22 |
| 40 | 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 |
| 41 | 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 |
| 42 | Mesenchymal stromal cell aging impairs the self-organizing capacity of lung alveolar epithelial stem cells. <i>ELife</i> , 2021, 10, . | 6.0 | 22 |
| 43 | Proteomic Discovery of Genistein Action in the Rat Mammary Gland. <i>Journal of Proteome Research</i> , 2011, 10, 1621-1631. | 3.7 | 21 |
| 44 | 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 |
| 45 | Self-Calibrated Warping for Mass Spectra Alignment. <i>Cancer Informatics</i> , 2011, 10, CIN.S6358. | 1.9 | 20 |
| 46 | 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 |
| 47 | Targeting the HuR Oncogenic Role with a New Class of Cytoplasmic Dimerization Inhibitors. <i>Cancer Research</i> , 2021, 81, 2220-2233. | 0.9 | 19 |
| 48 | STRAP regulates alternative splicing fidelity during lineage commitment of mouse embryonic stem cells. <i>Nature Communications</i> , 2020, 11, 5941. | 12.8 | 18 |
| 49 | SSBP3 Interacts With Islet-1 and Ldb1 to Impact Pancreatic β -Cell Target Genes. <i>Molecular Endocrinology</i> , 2015, 29, 1774-1786. | 3.7 | 17 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 |
| 54 | 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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|----|---|------|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | Analysis of mesenchymal stem cell proteomes in situ in the ischemic heart. <i>Theranostics</i> , 2020, 10, 11324-11338. | 10.0 | 11 |
| 58 | 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 |
| 59 | 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 |
| 60 | Regulation of FcR1 ³ function by site-specific serine phosphorylation. <i>Journal of Leukocyte Biology</i> , 2017, 101, 421-428. | 3.3 | 7 |
| 61 | 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 |
| 62 | 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 |
| 63 | 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 |
| 64 | 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 |
| 65 | Biomarkers for Adverse Lung Injury Following Pediatric Cardiopulmonary Bypass. , 2021, 3, e0528. | | 6 |
| 66 | Multi-Omics Profiling for NF1 Target Discovery in Neurofibromin (NF1) Deficient Cells. <i>Proteomics</i> , 2019, 19, e1800334. | 2.2 | 5 |
| 67 | Integrated bioinformatics analysis identifies established and novel TGF β 1-regulated genes modulated by anti-fibrotic drugs. <i>Scientific Reports</i> , 2022, 12, 3080. | 3.3 | 5 |
| 68 | 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 |
| 69 | 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 |
| 70 | 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 |
| 71 | 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 |
| 72 | Abstract 4807: Identification of pre-invasive pancreatic cancer serum biomarkers using genetically engineered mouse models and mass spectrometry techniques. , 2012, , . | | 1 |

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|----|--|-----|-----------|
| 73 | Synthesis and Estrogen Receptor Binding Affinities of 7-Hydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-ones Containing a Basic Side Chain.. ChemInform, 2003, 34, no. | 0.0 | 0 |
| 74 | 559 Applying Proteomics Based Biomarker Tools for the Accurate Diagnosis of Pancreatic Cancer. Gastroenterology, 2008, 134, A-849. | 1.3 | 0 |
| 75 | IDENTIFICATION AND CHARACTERIZATION OF BRANCHED-CHAIN AMINO ACID (BCAA) METABOLON PROTEINS: ROLE OF GLUTAMATE DEHYDROGENASE. FASEB Journal, 2008, 22, 610.4. | 0.5 | 0 |
| 76 | Abstract A7: Surveying the serum proteome for early-stage pancreatic neoplasia biomarkers using genetically engineered mouse models.. , 2012, , . | | 0 |
| 77 | Abstract 5050: Proteome-based combined treatment strategies synergizing antagonism of androgen receptor function in prostate cancer. , 2015, , . | | 0 |
| 78 | Abstract 1011: Endostatin regulates androgen receptor-mediated metabolic and oxido-reductive pathways in prostate cancer cells. , 2016, , . | | 0 |
| 79 | Abstract 1585: Endostatin inhibits androgen-independent prostate cancer growth by suppressing nuclear receptor-mediated oxidative stress. , 2017, , . | | 0 |
| 80 | Abstract 5462: GTP cyclohydrolase in brain tumor stem cells is implicated in glioblastoma growth. , 2017, , . | | 0 |