

# James B Duhadaway

## List of Publications by Year in descending order

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54  
papers

6,367  
citations

126907

33  
h-index

168389

53  
g-index

55  
all docs

55  
docs citations

55  
times ranked

7468  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Inhibition of indoleamine 2,3-dioxygenase, an immunoregulatory target of the cancer suppression gene Bin1, potentiates cancer chemotherapy. <i>Nature Medicine</i> , 2005, 11, 312-319.  | 30.7 | 998       |
| 2  | Aryl hydrocarbon receptor control of a disease tolerance defence pathway. <i>Nature</i> , 2014, 511, 184-190.  | 27.8 | 574       |
| 3  | Inhibition of Indoleamine 2,3-Dioxygenase in Dendritic Cells by Stereoisomers of 1-Methyl-Tryptophan Correlates with Antitumor Responses. <i>Cancer Research</i> , 2007, 67, 792-801.  | 0.9  | 557       |
| 4  | Novel Tryptophan Catabolic Enzyme IDO2 Is the Preferred Biochemical Target of the Antitumor Indoleamine 2,3-Dioxygenase Inhibitory Compound <sc>d</sc>-1-Methyl-Tryptophan. <i>Cancer Research</i> , 2007, 67, 7082-7087.                          | 0.9  | 453       |
| 5  | Discovery of IDO1 Inhibitors: From Bench to Bedside. <i>Cancer Research</i> , 2017, 77, 6795-6811.   | 0.9  | 433       |
| 6  | IDO inhibits a tryptophan sufficiency signal that stimulates mTOR: A novel IDO effector pathway targeted by D-1-methyl-tryptophan. <i>Onc Immunology</i> , 2012, 1, 1460-1468.   | 4.6  | 338       |
| 7  | IDO Is a Nodal Pathogenic Driver of Lung Cancer and Metastasis Development. <i>Cancer Discovery</i> , 2012, 2, 722-735.  | 9.4  | 280       |
| 8  | Chronic inflammation that facilitates tumor progression creates local immune suppression by inducing indoleamine 2,3 dioxygenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17073-17078. | 7.1  | 214       |
| 9  | IDO2 is critical for IDO1-mediated T-cell regulation and exerts a non-redundant function in inflammation. <i>International Immunology</i> , 2014, 26, 357-367.   | 4.0  | 168       |
| 10 | Structure-Activity Study of Brassinin Derivatives as Indoleamine 2,3-Dioxygenase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 684-692.  | 6.4  | 161       |
| 11 | Indoleamine 2,3-Dioxygenase Is the Anticancer Target for a Novel Series of Potent Naphthoquinone-Based Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 1706-1718.  | 6.4  | 151       |
| 12 | Structure Based Development of Phenylimidazole-Derived Inhibitors of Indoleamine 2,3-Dioxygenase. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 4968-4977.   | 6.4  | 148       |
| 13 | Structural Analysis of the Human BIN1 Gene. <i>Journal of Biological Chemistry</i> , 1997, 272, 31453-31458.   | 3.4  | 124       |
| 14 | Opposing Biological Functions of Tryptophan Catabolizing Enzymes During Intracellular Infection. <i>Journal of Infectious Diseases</i> , 2012, 205, 152-161.   | 4.0  | 121       |
| 15 | Targeted Disruption of the Murine Bin1/Amphiphysin II Gene Does Not Disable Endocytosis but Results in Embryonic Cardiomyopathy with Aberrant Myofibril Formation. <i>Molecular and Cellular Biology</i> , 2003, 23, 4295-4306.                    | 2.3  | 118       |
| 16 | The Immunoregulatory Enzyme IDO Paradoxically Drives B Cell-Mediated Autoimmunity. <i>Journal of Immunology</i> , 2009, 182, 7509-7517.  | 0.8  | 111       |
| 17 | IDO2 Is a Critical Mediator of Autoantibody Production and Inflammatory Pathogenesis in a Mouse Model of Autoimmune Arthritis. <i>Journal of Immunology</i> , 2014, 192, 2082-2090.  | 0.8  | 104       |
| 18 | CCR5 Governs DNA Damage Repair and Breast Cancer Stem Cell Expansion. <i>Cancer Research</i> , 2018, 78, 1657-1671.  | 0.9  | 97        |

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|----|--|-----|-----------|
| 19 | Loss of heterozygosity and tumor suppressor activity of Bin1 in prostate carcinoma. , 2000, 86, 155-161.   |     | 84        |
| 20 | IDO1 is an Integral Mediator of Inflammatory Neovascularization. EBioMedicine, 2016, 14, 74-82.  | 6.1 | 75        |
| 21 | Differential Roles of IDO1 and IDO2 in T and B Cell Inflammatory Immune Responses. Frontiers in Immunology, 2020, 11, 1861.  | 4.8 | 70        |
| 22 | Immunotherapeutic Suppression of Indoleamine 2,3-Dioxygenase and Tumor Growth with Ethyl Pyruvate. Cancer Research, 2010, 70, 1845-1853.   | 0.9 | 65        |
| 23 | RhoB Regulates PDGFR- $\beta$ Trafficking and Signaling in Vascular Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 2597-2605.  | 2.4 | 60        |
| 24 | Non-hematopoietic expression of IDO is integrally required for inflammatory tumor promotion. Cancer Immunology, Immunotherapy, 2010, 59, 1655-1663.  | 4.2 | 57        |
| 25 | IDO2 Modulates T Cell-Dependent Autoimmune Responses through a B Cell-Intrinsic Mechanism. Journal of Immunology, 2016, 196, 4487-4497.  | 0.8 | 56        |
| 26 | Concurrent whole brain radiotherapy and short-course chloroquine in patients with brain metastases: a pilot trial. Journal of Radiation Oncology, 2013, 2, 315-321.                                      | 0.7 | 52        |
| 27 | Host IDO2 Gene Status Influences Tumor Progression and Radiotherapy Response in KRAS-Driven Sporadic Pancreatic Cancers. Clinical Cancer Research, 2019, 25, 724-734.                                    | 7.0 | 48        |
| 28 | Cardiac and gastrointestinal liabilities caused by deficiency in the immune modulatory enzyme indoleamine 2,3-dioxygenase. Cancer Biology and Therapy, 2011, 12, 1050-1058.                              | 3.4 | 45        |
| 29 | Therapeutic antibody targeting of indoleamine-2,3-dioxygenase (IDO2) inhibits autoimmune arthritis. Clinical Immunology, 2017, 179, 8-16.  | 3.2 | 44        |
| 30 | Immunohistochemical analysis of Bin1/Amphiphysin II in human tissues: Diverse sites of nuclear expression and losses in prostate cancer. Journal of Cellular Biochemistry, 2003, 88, 635-642.            | 2.6 | 42        |
| 31 | RhoB Differentially Controls Akt Function in Tumor Cells and Stromal Endothelial Cells during Breast Tumorigenesis. Cancer Research, 2013, 73, 50-61.  | 0.9 | 38        |
| 32 | Diaryl hydroxylamines as pan or dual inhibitors of indoleamine 2,3-dioxygenase-1, indoleamine 2,3-dioxygenase-2 and tryptophan dioxygenase. European Journal of Medicinal Chemistry, 2019, 162, 455-464. | 5.5 | 37        |
| 33 | Bin1 Ablation in Mammary Gland Delays Tissue Remodeling and Drives Cancer Progression. Cancer Research, 2007, 67, 100-107.   | 0.9 | 35        |
| 34 | RhoB links PDGF signaling to cell migration by coordinating activation and localization of Cdc42 and Rac. Journal of Cellular Biochemistry, 2011, 112, 1572-1584.  | 2.6 | 34        |
| 35 | Peptide vaccination directed against IDO1-expressing immune cells elicits CD8 <sup>+</sup> and CD4 <sup>+</sup> T-cell-mediated antitumor immunity and enhanced anti-PD1 responses. , 2020, 8, e000605.  |     | 34        |
| 36 | O-alkylhydroxylamines as rationally-designed mechanism-based inhibitors of indoleamine 2,3-dioxygenase-1. European Journal of Medicinal Chemistry, 2016, 108, 564-576.                                   | 5.5 | 33        |

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|----|---|-----|-----------|
| 37 | The Murine Bin1 Gene Functions Early in Myogenesis and Defines a New Region of Synteny between Mouse Chromosome 18 and Human Chromosome 2. <i>Genomics</i> , 1999, 56, 51-58.                               | 2.9 | 28        |
| 38 | The N-BAR domain protein, Bin3, regulates Rac1- and Cdc42-dependent processes in myogenesis. <i>Developmental Biology</i> , 2013, 382, 160-171.   | 2.0 | 28        |
| 39 | Bin3 Deletion Causes Cataracts and Increased Susceptibility to Lymphoma during Aging. <i>Cancer Research</i> , 2008, 68, 1683-1690.   | 0.9 | 27        |
| 40 | Zinc Protoporphyrin IX Stimulates Tumor Immunity by Disrupting the Immunosuppressive Enzyme Indoleamine 2,3-Dioxygenase. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 1864-1871.                         | 4.1 | 27        |
| 41 | Targeted deletion of the suppressor gene bin1/amphiphysin2 accentuates the neoplastic character of transformed mouse fibroblasts. <i>Cancer Biology and Therapy</i> , 2004, 3, 1236-1242.                   | 3.4 | 23        |
| 42 | Cyclin B1 Is a Critical Target of RhoB in the Cell Suicide Program Triggered by Farnesyl Transferase Inhibition. <i>Cancer Research</i> , 2004, 64, 8389-8396.  | 0.9 | 22        |
| 43 | Transformation-selective apoptotic program triggered by farnesyltransferase inhibitors requires Bin1. <i>Oncogene</i> , 2003, 22, 3578-3588.  | 5.9 | 21        |
| 44 | The FDA-Approved Anthelmintic Pyrvinium Pamoate Inhibits Pancreatic Cancer Cells in Nutrient-Depleted Conditions by Targeting the Mitochondria. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 2166-2176. | 4.1 | 19        |
| 45 | Genomic Profiling of miRNAs in Two Human Lens Cell Lines. <i>Current Eye Research</i> , 2010, 35, 812-818.  | 1.5 | 18        |
| 46 | Reduction of hepatitis C virus NS5A phosphorylation through its interaction with amphiphysin II. <i>Biochemical and Biophysical Research Communications</i> , 2005, 336, 572-578.                           | 2.1 | 16        |
| 47 | IDO1 Signaling through GCN2 in a Subpopulation of Gr-1+ Cells Shifts the IFN $\gamma$ /IL6 Balance to Promote Neovascularization. <i>Cancer Immunology Research</i> , 2021, 9, 514-528.                     | 3.4 | 16        |
| 48 | Novel Colitis Immunotherapy Targets Bin1 and Improves Colon Cell Barrier Function. <i>Digestive Diseases and Sciences</i> , 2016, 61, 423-432.  | 2.3 | 14        |
| 49 | The Immunomodulatory Enzyme IDO2 Mediates Autoimmune Arthritis through a Nonenzymatic Mechanism. <i>Journal of Immunology</i> , 2022, 208, 571-581.   | 0.8 | 13        |
| 50 | Specific In Situ Detection of Murine Indoleamine 2,3-Dioxygenase. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 391-396.   | 2.6 | 8         |
| 51 | RhoB blockade selectively inhibits autoantibody production in autoimmune models of rheumatoid arthritis and lupus. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 1313-1322.                          | 2.4 | 7         |
| 52 | Insights from HuR biology point to potential improvement for second-line ovarian cancer therapy. <i>Oncotarget</i> , 2016, 7, 21812-21824.  | 1.8 | 7         |
| 53 | Bau, a Splice Form of Neurabin-I that Interacts with the Tumor Suppressor Bin1, Inhibits Malignant Cell Transformation. <i>Cell Adhesion and Communication</i> , 1999, 7, 99-110.                           | 1.7 | 4         |
| 54 | Antimetabolite TTL-315 selectively kills glucose-deprived cancer cells and enhances responses to cytotoxic chemotherapy in preclinical models of cancer. <i>Oncotarget</i> , 2016, 7, 7372-7380.            | 1.8 | 3         |