

# Philip F Hughes

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,131  
citations

430874

18  
h-index

434195

31  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1822  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Discovery of Novel 2-Aminobenzamide Inhibitors of Heat Shock Protein 90 as Potent, Selective and Orally Active Antitumor Agents. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4288-4305.   | 6.4  | 170       |
| 2  | Fasnall, a Selective FASN Inhibitor, Shows Potent Anti-tumor Activity in the MMTV-Neu Model of HER2 + Breast Cancer. <i>Cell Chemical Biology</i> , 2016, 23, 678-688.                          | 5.2  | 109       |
| 3  | Takinib, a Selective TAK1 Inhibitor, Broadens the Therapeutic Efficacy of TNF- $\hat{\pm}$ Inhibition for Cancer and Autoimmune Disease. <i>Cell Chemical Biology</i> , 2017, 24, 1029-1039.e7. | 5.2  | 104       |
| 4  | Application of Chemoproteomics to Drug Discovery: Identification of a Clinical Candidate Targeting Hsp90. <i>Chemistry and Biology</i> , 2010, 17, 686-694.                                     | 6.0  | 79        |
| 5  | The FNIP co-chaperones decelerate the Hsp90 chaperone cycle and enhance drug binding. <i>Nature Communications</i> , 2016, 7, 12037.  | 12.8 | 56        |
| 6  | Identification of an Allosteric Small-Molecule Inhibitor Selective for the Inducible Form of Heat Shock Protein 70. <i>Chemistry and Biology</i> , 2014, 21, 1648-1659.                         | 6.0  | 54        |
| 7  | Optical and Radioiodinated Tethered Hsp90 Inhibitors Reveal Selective Internalization of Ectopic Hsp90 in Malignant Breast Tumor Cells. <i>Chemistry and Biology</i> , 2013, 20, 1187-1197.     | 6.0  | 43        |
| 8  | An inducible heat shock protein 70 small molecule inhibitor demonstrates anti-dengue virus activity, validating Hsp70 as a host antiviral target. <i>Antiviral Research</i> , 2016, 130, 81-92. | 4.1  | 42        |
| 9  | Fluorescence Linked Enzyme Chemoproteomic Strategy for Discovery of a Potent and Selective DAPK1 and ZIPK Inhibitor. <i>ACS Chemical Biology</i> , 2013, 8, 2715-2723.                          | 3.4  | 41        |
| 10 | Synergistic role of HSP90 $\hat{\pm}$ and HSP90 $\hat{2}$ to promote myofibroblast persistence in lung fibrosis. <i>European Respiratory Journal</i> , 2018, 51, 1700386.                       | 6.7  | 41        |
| 11 | A Fluorescent Hsp90 Probe Demonstrates the Unique Association between Extracellular Hsp90 and Malignancy <i>in Vivo</i> . <i>ACS Chemical Biology</i> , 2017, 12, 1047-1055.                    | 3.4  | 40        |
| 12 | Cellular fatty acid synthase is required for late stages of HIV-1 replication. <i>Retrovirology</i> , 2017, 14, 45.   | 2.0  | 36        |
| 13 | Targeting therapy-resistant prostate cancer via a direct inhibitor of the human heat shock transcription factor 1. <i>Science Translational Medicine</i> , 2020, 12, .                          | 12.4 | 36        |
| 14 | Pharmacological inhibition of TAK1, with the selective inhibitor takinib, alleviates clinical manifestation of arthritis in CIA mice. <i>Arthritis Research and Therapy</i> , 2019, 21, 292.    | 3.5  | 31        |
| 15 | Identification of Hsp90 Inhibitors with Anti-Plasmodium Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .  | 3.2  | 27        |
| 16 | Genetic and pharmacological validation of TAK1 inhibition in macrophages as a therapeutic strategy to effectively inhibit TNF secretion. <i>Scientific Reports</i> , 2018, 8, 17058.            | 3.3  | 27        |
| 17 | A highly selective Hsp90 affinity chromatography resin with a cleavable linker. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 3298-3305.  | 3.0  | 26        |
| 18 | Targeting Pim Kinases and DAPK3 to Control Hypertension. <i>Cell Chemical Biology</i> , 2018, 25, 1195-1207.e32.  | 5.2  | 21        |

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|----|--|-----|-----------|
| 19 | Oral Hsp90 inhibitor SNX-5422 attenuates SARS-CoV-2 replication and dampens inflammation in airway cells. <i>IScience</i> , 2021, 24, 103412.  | 4.1 | 20        |
| 20 | Heat shock protein 90-targeted photodynamic therapy enables treatment of subcutaneous and visceral tumors. <i>Communications Biology</i> , 2020, 3, 226.   | 4.4 | 18        |
| 21 | A highly selective inhibitor of interleukin-1 receptor-associated kinases 1/4 (IRAK-1/4) delineates the distinct signaling roles of IRAK-1/4 and the TAK1 kinase. <i>Journal of Biological Chemistry</i> , 2020, 295, 1565-1574. | 3.4 | 17        |
| 22 | <i>In Vivo</i> Detection of HSP90 Identifies Breast Cancers with Aggressive Behavior. <i>Clinical Cancer Research</i> , 2017, 23, 7531-7542.   | 7.0 | 15        |
| 23 | Leveraging ectopic Hsp90 expression to assay the presence of tumor cells and aggressive tumor phenotypes in breast specimens. <i>Scientific Reports</i> , 2017, 7, 17487.  | 3.3 | 15        |
| 24 | Application of immobilized ATP to the study of NLRP inflammasomes. <i>Archives of Biochemistry and Biophysics</i> , 2019, 670, 104-115.  | 3.0 | 13        |
| 25 | Discovery of novel aminoquinazolin-7-yl 6,7-dihydro-indol-4-ones as potent, selective inhibitors of heat shock protein 90. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2550-2554.                              | 2.2 | 12        |
| 26 | Exploiting heat shock protein expression to develop a non-invasive diagnostic tool for breast cancer. <i>Scientific Reports</i> , 2019, 9, 3461.   | 3.3 | 11        |
| 27 | Development and Efficacy of an Orally Bioavailable Selective TAK1 Inhibitor for the Treatment of Inflammatory Arthritis. <i>ACS Chemical Biology</i> , 2022, 17, 536-544.  | 3.4 | 10        |
| 28 | TAK1 regulates the tumor microenvironment through inflammatory, angiogenetic and apoptotic signaling cascades. <i>Oncotarget</i> , 2020, 11, 1961-1970.  | 1.8 | 8         |
| 29 | Understanding the sources of errors in ex vivo Hsp90 molecular imaging for rapid-on-site breast cancer diagnosis. <i>Biomedical Optics Express</i> , 2021, 12, 2299.   | 2.9 | 3         |
| 30 | Expression of ectopic heat shock protein 90 in male and female primary afferent nociceptors regulates inflammatory pain. <i>Pain</i> , 2022, 163, 1091-1101.   | 4.2 | 2         |
| 31 | HSP90-Specific nIR Probe Identifies Aggressive Prostate Cancers: Translation from Preclinical Models to a Human Phase I Study. <i>Molecular Cancer Therapeutics</i> , 2022, 21, 217-226.   | 4.1 | 2         |
| 32 | Optimizing fluorescently-tethered Hsp90 inhibitor dose for maximal specific uptake by breast tumors. , 2018, , .   |     | 1         |
| 33 | Abstract 4457: Novel fatty-acid synthase inhibitor in combination with platinum-based therapy provides increased tumor killing efficacy in luminal breast murine model. , 2015, , .  |     | 0         |
| 34 | Abstract 2703: Overcoming Lapatinib resistance by the fatty acid synthase inhibitor HS-106. , 2015, , .  |     | 0         |
| 35 | Abstract 1859: Hsp90 targeted near infrared molecular imaging to detect mammographically occult invasive lobular breast cancer. , 2017, , .  |     | 0         |