

Tara L Roberts

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,723
citations

304368

22
h-index

182168

51
g-index

55
all docs

55
docs citations

55
times ranked

4735
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | HIN-200 Proteins Regulate Caspase Activation in Response to Foreign Cytoplasmic DNA. <i>Science</i> , 2009, 323, 1057-1060. | 6.0 | 737 |
| 2 | AIM2 and NLRP3 inflammasomes activate both apoptotic and pyroptotic death pathways via ASC. <i>Cell Death and Differentiation</i> , 2013, 20, 1149-1160. | 5.0 | 402 |
| 3 | The mammalian PYHIN gene family: Phylogeny, evolution and expression. <i>BMC Evolutionary Biology</i> , 2012, 12, 140. | 3.2 | 168 |
| 4 | The Molecular Basis for the Lack of Immunostimulatory Activity of Vertebrate DNA. <i>Journal of Immunology</i> , 2003, 170, 3614-3620. | 0.4 | 164 |
| 5 | Cutting Edge: Species-Specific TLR9-Mediated Recognition of CpG and Non-CpG Phosphorothioate-Modified Oligonucleotides. <i>Journal of Immunology</i> , 2005, 174, 605-608. | 0.4 | 129 |
| 6 | A Role for Homologous Recombination and Abnormal Cell-Cycle Progression in Radioresistance of Glioma-Initiating Cells. <i>Molecular Cancer Therapeutics</i> , 2012, 11, 1863-1872. | 1.9 | 79 |
| 7 | Endoplasmic reticulum stress in the development of multiple myeloma and drug resistance. <i>Clinical and Translational Immunology</i> , 2018, 7, e1007. | 1.7 | 74 |
| 8 | Differences in Macrophage Activation by Bacterial DNA and CpG-Containing Oligonucleotides. <i>Journal of Immunology</i> , 2005, 175, 3569-3576. | 0.4 | 71 |
| 9 | CpG DNA Activates Survival in Murine Macrophages through TLR9 and the Phosphatidylinositol 3-Kinase-Akt Pathway. <i>Journal of Immunology</i> , 2006, 177, 4473-4480. | 0.4 | 62 |
| 10 | Increased sensitivity to ionizing radiation by targeting the homologous recombination pathway in glioma initiating cells. <i>Molecular Oncology</i> , 2014, 8, 1603-1615. | 2.1 | 61 |
| 11 | A rat model of ataxia-telangiectasia: evidence for a neurodegenerative phenotype. <i>Human Molecular Genetics</i> , 2017, 26, dww371. | 1.4 | 59 |
| 12 | Smg1 haploinsufficiency predisposes to tumor formation and inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E285-94. | 3.3 | 50 |
| 13 | A Novel Role for hSMG-1 in Stress Granule Formation. <i>Molecular and Cellular Biology</i> , 2011, 31, 4417-4429. | 1.1 | 44 |
| 14 | ALS monocyte-derived microglia-like cells reveal cytoplasmic TDP-43 accumulation, DNA damage, and cell-specific impairment of phagocytosis associated with disease progression. <i>Journal of Neuroinflammation</i> , 2022, 19, 58. | 3.1 | 43 |
| 15 | Clinicopathologic and Prognostic Significance of Programmed Cell Death Ligand 1 Expression in Patients with Non-Medullary Thyroid Cancer: A Systematic Review and Meta-Analysis. <i>Thyroid</i> , 2018, 28, 349-361. | 2.4 | 37 |
| 16 | Rats with a missense mutation in Atm display neuroinflammation and neurodegeneration subsequent to accumulation of cytosolic DNA following unrepaired DNA damage. <i>Journal of Leukocyte Biology</i> , 2017, 101, 927-947. | 1.5 | 36 |
| 17 | Plasma next generation sequencing and droplet digital PCR-based detection of epidermal growth factor receptor (EGFR) mutations in patients with advanced lung cancer treated with subsequent osimertinib. <i>Thoracic Cancer</i> , 2019, 10, 1879-1884. | 0.8 | 36 |
| 18 | PGRMC1 phosphorylation affects cell shape, motility, glycolysis, mitochondrial form and function, and tumor growth. <i>BMC Molecular and Cell Biology</i> , 2020, 21, 24. | 1.0 | 36 |

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|----|--|-----|-----------|
| 19 | DNA Motifs Suppressing TLR9 Responses. <i>Critical Reviews in Immunology</i> , 2006, 26, 527-544. | 1.0 | 33 |
| 20 | The Role of Liquid Biopsies in Detecting Molecular Tumor Biomarkers in Brain Cancer Patients. <i>Cancers</i> , 2020, 12, 1831. | 1.7 | 29 |
| 21 | Molecular interactions of polo-like kinase 1 in human cancers. <i>Journal of Clinical Pathology</i> , 2016, 69, 557-562. | 1.0 | 25 |
| 22 | Elevated levels of soluble PD-L1 are associated with reduced recurrence in papillary thyroid cancer. <i>Endocrine Connections</i> , 2019, 8, 1040-1051. | 0.8 | 23 |
| 23 | Human TERT promoter mutations as a prognostic biomarker in glioma. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021, 147, 1007-1017. | 1.2 | 21 |
| 24 | Higher-order CpG-DNA stimulation reveals distinct activation requirements for marginal zone and follicular B cells in lupus mice. <i>European Journal of Immunology</i> , 2006, 36, 1951-1962. | 1.6 | 20 |
| 25 | Role of MicroRNAs in Treatment Response in Prostate Cancer. <i>Current Cancer Drug Targets</i> , 2018, 18, 929-944. | 0.8 | 20 |
| 26 | The Genomic Landscape of Thyroid Cancer Tumourigenesis and Implications for Immunotherapy. <i>Cells</i> , 2021, 10, 1082. | 1.8 | 20 |
| 27 | Predicting the response of multiple myeloma to the proteasome inhibitor Bortezomib by evaluation of the unfolded protein response. <i>Blood Cancer Journal</i> , 2016, 6, e432-e432. | 2.8 | 19 |
| 28 | Tumour immune microenvironment biomarkers predicting cytotoxic chemotherapy efficacy in colorectal cancer. <i>Journal of Clinical Pathology</i> , 2021, 74, 625-634. | 1.0 | 18 |
| 29 | The Multiple Potential Biomarkers for Predicting Immunotherapy Response—Finding the Needle in the Haystack. <i>Cancers</i> , 2021, 13, 277. | 1.7 | 16 |
| 30 | The immunostimulatory activity of phosphorothioate CpG oligonucleotides is affected by distal sequence changes. <i>Molecular Immunology</i> , 2011, 48, 1027-1034. | 1.0 | 15 |
| 31 | B cells do not take up bacterial DNA: an essential role for antigen in exposure of DNA to toll-like receptor. <i>Immunology and Cell Biology</i> , 2011, 89, 517-525. | 1.0 | 14 |
| 32 | Clinical outcomes in patients with advanced epidermal growth factor receptor-mutated non-small cell lung cancer in South Western Sydney Local Health District. <i>Internal Medicine Journal</i> , 2017, 47, 1405-1411. | 0.5 | 14 |
| 33 | Pembrolizumab for anaplastic thyroid cancer: a case study. <i>Cancer Immunology, Immunotherapy</i> , 2019, 68, 1921-1934. | 2.0 | 13 |
| 34 | Technical Note: The first live treatment on a 1.0 Tesla inline ¹ H-MRI. <i>Medical Physics</i> , 2019, 46, 3254-3258. | 1.6 | 13 |
| 35 | TLR9-independent effects of inhibitory oligonucleotides on macrophage responses to <i>S. typhimurium</i> . <i>Immunology and Cell Biology</i> , 2009, 87, 218-225. | 1.0 | 11 |
| 36 | PIKK-ing a way to regulate inflammation. <i>Immunology and Cell Biology</i> , 2018, 96, 8-20. | 1.0 | 11 |

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|----|--|-----|-----------|
| 37 | Isolation of Circulating Tumor Cells from Glioblastoma Patients by Direct Immunomagnetic Targeting. Applied Sciences (Switzerland), 2020, 10, 3338. | 1.3 | 11 |
| 38 | The Role of Chaperone-Mediated Autophagy in Bortezomib Resistant Multiple Myeloma. Cells, 2021, 10, 3464. | 1.8 | 11 |
| 39 | Aberrant Expression of RAD52, Its Prognostic Impact in Rectal Cancer and Association with Poor Survival of Patients. International Journal of Molecular Sciences, 2020, 21, 1768. | 1.8 | 10 |
| 40 | Epithelial-to-mesenchymal transition and its association with PD-L1 and CD8 in thyroid cancer. Endocrine Connections, 2020, 9, 1028-1041. | 0.8 | 9 |
| 41 | Simultaneous targeting of DNA replication and homologous recombination in glioblastoma with a polyether ionophore. Neuro-Oncology, 2019, 22, 216-228. | 0.6 | 8 |
| 42 | ATM inhibition prevents interleukin-6 from contributing to the proliferation of glioblastoma cells after ionizing radiation. Journal of Neuro-Oncology, 2018, 138, 509-518. | 1.4 | 6 |
| 43 | <i>SMG1</i> heterozygosity exacerbates haematopoietic cancer development in <i>Atm</i> null mice by increasing persistent DNA damage and oxidative stress. Journal of Cellular and Molecular Medicine, 2019, 23, 8151-8160. | 1.6 | 6 |
| 44 | Harnessing Liquid Biopsies to Guide Immune Checkpoint Inhibitor Therapy. Cancers, 2022, 14, 1669. | 1.7 | 6 |
| 45 | Peripheral Cytokine Levels as a Prognostic Indicator in Gastric Cancer: A Review of Existing Literature. Biomedicines, 2021, 9, 1916. | 1.4 | 6 |
| 46 | Plasma pre-treatment T790M relative allelic frequency in patients with advanced EGFR-mutated non-small cell lung cancer predicts treatment response to subsequent-line osimertinib. Translational Lung Cancer Research, 2021, 10, 1623-1634. | 1.3 | 5 |
| 47 | A metatranscriptomic approach to explore longitudinal tissue specimens from non-healing diabetes related foot ulcers. Apmis, 2022, 130, 383-396. | 0.9 | 5 |
| 48 | Epithelial-to-mesenchymal transition and its association with PD-L1 and CD8 in thyroid cancer. Endocrine Connections, 2020, 9, 1028-1041. | 0.8 | 3 |
| 49 | RNA metabolism and links to inflammatory regulation and disease. Cellular and Molecular Life Sciences, 2022, 79, 21. | 2.4 | 3 |
| 50 | Regulation of RNA degradation pathways during the lipopolysaccharide response in Macrophages. Journal of Leukocyte Biology, 2021, 109, 593-603. | 1.5 | 2 |
| 51 | Identification of tetragocarbone C and sideroxylin as the most potent anti-inflammatory components of Syncarpia glomulifera. F&A-toterap&A-c, 2021, 150, 104843. | 1.1 | 2 |
| 52 | First Investigation of Gadolinium-Based Nanoparticles for Radiosensitization and Enhanced Imaging on the Australian MRI-linac. , 2018, , . | | 0 |
| 53 | Discrimination of Self and Non-Self DNAs. , 2008, , 85-100. | | 0 |