

# Kirsten D Mertz

## List of Publications by Year in descending order

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Version: 2024-02-01

90  
papers

8,110  
citations

71102

41  
h-index

53230

85  
g-index

104  
all docs

104  
docs citations

104  
times ranked

16711  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Postmortem examination of COVID-19 patients reveals diffuse alveolar damage with severe capillary congestion and variegated findings in lungs and other organs suggesting vascular dysfunction. <i>Histopathology</i> , 2020, 77, 198-209. | 2.9  | 1,025     |
| 2  | High-throughput oncogene mutation profiling in human cancer. <i>Nature Genetics</i> , 2007, 39, 347-351.   | 21.4 | 927       |
| 3  | A transcriptionally and functionally distinct PD-1+ CD8+ T cell pool with predictive potential in non-small-cell lung cancer treated with PD-1 blockade. <i>Nature Medicine</i> , 2018, 24, 994-1004.                                      | 30.7 | 783       |
| 4  | Cessation of CCL2 inhibition accelerates breast cancer metastasis by promoting angiogenesis. <i>Nature</i> , 2014, 515, 130-133.   | 27.8 | 556       |
| 5  | Patterns of Gene Expression and Copy-Number Alterations in von-Hippel Lindau Disease-Associated and Sporadic Clear Cell Carcinoma of the Kidney. <i>Cancer Research</i> , 2009, 69, 4674-4681.   | 0.9  | 370       |
| 6  | Estrogen-Dependent Signaling in a Molecularly Distinct Subclass of Aggressive Prostate Cancer. <i>Journal of the National Cancer Institute</i> , 2008, 100, 815-825.   | 6.3  | 286       |
| 7  | B cells sustain inflammation and predict response to immune checkpoint blockade in human melanoma. <i>Nature Communications</i> , 2019, 10, 4186.  | 12.8 | 236       |
| 8  | Two distinct immunopathological profiles in autopsy lungs of COVID-19. <i>Nature Communications</i> , 2020, 11, 5086.  | 12.8 | 230       |
| 9  | Characterization of <i>TMPRSS2-ERG</i> Fusion High-Grade Prostatic Intraepithelial Neoplasia and Potential Clinical Implications. <i>Clinical Cancer Research</i> , 2008, 14, 3380-3385.   | 7.0  | 200       |
| 10 | Neutralisation of the interleukin-33/ST2 pathway ameliorates experimental colitis through enhancement of mucosal healing in mice. <i>Gut</i> , 2013, 62, 1714-1723.  | 12.1 | 194       |
| 11 | Systemic inflammation in a melanoma patient treated with immune checkpoint inhibitors – an autopsy study. , 2016, 4, 13.   |      | 162       |
| 12 | Hepatic stellate cells suppress NK cell-sustained breast cancer dormancy. <i>Nature</i> , 2021, 594, 566-571.  | 27.8 | 139       |
| 13 | Molecular Characterization of <i>TMPRSS2-ERG</i> Gene Fusion in the NCI-H660 Prostate Cancer Cell Line: A New Perspective for an Old Model. <i>Neoplasia</i> , 2007, 9, 200-IN3.   | 5.3  | 119       |
| 14 | Morphological features of <i>TMPRSS2-ERG</i> gene fusion prostate cancer. <i>Journal of Pathology</i> , 2007, 212, 91-101.   | 4.5  | 117       |
| 15 | Correlates of critical illness-related encephalopathy predominate postmortem COVID-19 neuropathology. <i>Acta Neuropathologica</i> , 2020, 140, 583-586.   | 7.7  | 117       |
| 16 | The Hippo kinases LATS1 and 2 control human breast cell fate via crosstalk with ER $\alpha$ . <i>Nature</i> , 2017, 541, 541-545.  | 27.8 | 114       |
| 17 | Precision immunoprofiling by image analysis and artificial intelligence. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2019, 474, 511-522.   | 2.8  | 101       |
| 18 | Placental Pathology Findings during and after SARS-CoV-2 Infection: Features of Villitis and Malperfusion. <i>Pathobiology</i> , 2021, 88, 69-77.  | 3.8  | 101       |

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|----|---|------|-----------|
| 19 | Tumor mutational burden assessed by targeted NGS predicts clinical benefit from immune checkpoint inhibitors in non-small cell lung cancer. <i>Journal of Pathology</i> , 2020, 250, 19-29. | 4.5  | 92        |
| 20 | Truncated Prion Protein and Doppel Are Myelinotoxic in the Absence of Oligodendrocytic PrPC. <i>Journal of Neuroscience</i> , 2005, 25, 4879-4888.  | 3.6  | 81        |
| 21 | Tumor-associated B cells in cutaneous primary melanoma and improved clinical outcome. <i>Human Pathology</i> , 2016, 54, 157-164.   | 2.0  | 81        |
| 22 | The IL-33/ST2 pathway contributes to intestinal tumorigenesis in humans and mice. <i>Oncolmmunology</i> , 2016, 5, e1062966.  | 4.6  | 80        |
| 23 | Integrative Microarray Analysis of Pathways Dysregulated in Metastatic Prostate Cancer. <i>Cancer Research</i> , 2007, 67, 10296-10303.   | 0.9  | 71        |
| 24 | Inflammatory Monocytes Are a Reservoir for Merkel Cell Polyomavirus. <i>Journal of Investigative Dermatology</i> , 2010, 130, 1146-1151.  | 0.7  | 71        |
| 25 | Immune cell landscaping reveals a protective role for regulatory T cells during kidney injury and fibrosis. <i>JCI Insight</i> , 2020, 5, .   | 5.0  | 71        |
| 26 | The Comprehensive Native Interactome of a Fully Functional Tagged Prion Protein. <i>PLoS ONE</i> , 2009, 4, e4446.  | 2.5  | 69        |
| 27 | <i>Borrelia</i> in granuloma annulare, morphea and lichen sclerosus: a PCR-based study and review of the literature. <i>Journal of Cutaneous Pathology</i> , 2010, 37, 571-577.             | 1.3  | 67        |
| 28 | pVHL co-ordinately regulates CXCR4/CXCL12 and MMP2/MMP9 expression in human clear-cell renal cell carcinoma. <i>Journal of Pathology</i> , 2008, 214, 464-471.                              | 4.5  | 65        |
| 29 | Aerosols Transmit Prions to Immunocompetent and Immunodeficient Mice. <i>PLoS Pathogens</i> , 2011, 7, e1001257.  | 4.7  | 62        |
| 30 | The T cell repertoire in tumors overlaps with pulmonary inflammatory lesions in patients treated with checkpoint inhibitors. <i>Oncolmmunology</i> , 2018, 7, e1386362.                     | 4.6  | 62        |
| 31 | Validation of a TFE3 Break-apart FISH Assay for Xp11.2 Translocation Renal Cell Carcinomas. <i>Diagnostic Molecular Pathology</i> , 2011, 20, 129-137.                                      | 2.1  | 60        |
| 32 | Brain-derived neurotrophic factor modulates dendritic morphology of cerebellar basket and stellate cells: an in vitro study. <i>Neuroscience</i> , 2000, 97, 303-310.                       | 2.3  | 59        |
| 33 | Skin Cancer in Organ Transplant Recipients. <i>Pathobiology</i> , 2013, 80, 302-309.  | 3.8  | 59        |
| 34 | Digital image analysis improves precision of PD-L1 scoring in cutaneous melanoma. <i>Histopathology</i> , 2018, 73, 397-406.  | 2.9  | 54        |
| 35 | MTSS1 is a metastasis driver in a subset of human melanomas. <i>Nature Communications</i> , 2014, 5, 3465.  | 12.8 | 52        |
| 36 | Immune system and peripheral nerves in propagation of prions to CNS. <i>British Medical Bulletin</i> , 2003, 66, 141-159.   | 6.9  | 51        |

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|----|--|------|-----------|
| 37 | ERG Cooperates with Androgen Receptor in Regulating Trefoil Factor 3 in Prostate Cancer Disease Progression. <i>Neoplasia</i> , 2010, 12, 1031-1022.   | 5.3  | 51        |
| 38 | Uncoupling protein 2 reprograms the tumor microenvironment to support the anti-tumor immune cycle. <i>Nature Immunology</i> , 2019, 20, 206-217.   | 14.5 | 51        |
| 39 | C3d immunohistochemistry on formalin-fixed tissue is a valuable tool in the diagnosis of bullous pemphigoid of the skin. <i>Journal of Cutaneous Pathology</i> , 2010, 37, 654-658.  | 1.3  | 49        |
| 40 | Tumor infiltrating lymphocytes in lymph node metastases of stage III melanoma correspond to response and survival in nine patients treated with ipilimumab at the time of stage IV disease. <i>Cancer Immunology, Immunotherapy</i> , 2018, 67, 39-45. | 4.2  | 45        |
| 41 | Prognostic Integrated Image-Based Immune and Molecular Profiling in Early-Stage Endometrial Cancer. <i>Cancer Immunology Research</i> , 2020, 8, 1508-1519.  | 3.4  | 45        |
| 42 | Automated immunofluorescence analysis defines microvessel area as a prognostic parameter in clear cell renal cell cancer. <i>Human Pathology</i> , 2007, 38, 1454-1462.  | 2.0  | 44        |
| 43 | Association of cytokeratin 7 and 19 expression with genomic stability and favorable prognosis in clear cell renal cell cancer. <i>International Journal of Cancer</i> , 2008, 123, 569-576.  | 5.1  | 43        |
| 44 | NVP-LDE225, a Potent and Selective SMOOTHENED Antagonist Reduces Melanoma Growth In Vitro and In Vivo. <i>PLoS ONE</i> , 2013, 8, e69064.  | 2.5  | 42        |
| 45 | Merkel cell polyomavirus is present in common warts and carcinoma in situ of the skin. <i>Human Pathology</i> , 2010, 41, 1369-1379.   | 2.0  | 39        |
| 46 | Dual Suppression of the Cyclin-Dependent Kinase Inhibitors CDKN2C and CDKN1A in Human Melanoma. <i>Journal of the National Cancer Institute</i> , 2012, 104, 1673-1679.  | 6.3  | 35        |
| 47 | Fibroblast activation protein-targeted-4-1BB ligand agonist amplifies effector functions of intratumoral T cells in human cancer. , 2020, 8, e000238.  |      | 35        |
| 48 | Regulation of heme oxygenase-1 expression by dopamine in cultured C6 glioma and primary astrocytes. <i>Molecular Brain Research</i> , 1999, 73, 50-59.   | 2.3  | 33        |
| 49 | Detection of Merkel Cell Polyomavirus and Human Papillomaviruses in Merkel Cell Carcinoma Combined With Squamous Cell Carcinoma in Immunocompetent European Patients. <i>American Journal of Dermatopathology</i> , 2012, 34, 506-510.                 | 0.6  | 33        |
| 50 | A Standardized Analysis of Tertiary Lymphoid Structures in Human Melanoma: Disease Progression- and Tumor Site-Associated Changes With Germinal Center Alteration. <i>Frontiers in Immunology</i> , 2021, 12, 675146.                                  | 4.8  | 31        |
| 51 | Interleukin-33 in human gliomas: Expression and prognostic significance. <i>Oncology Letters</i> , 2016, 12, 445-452.  | 1.8  | 29        |
| 52 | A Variant of a Killer Cell Immunoglobulin-like Receptor Is Associated with Resistance to PD-1 Blockade in Lung Cancer. <i>Clinical Cancer Research</i> , 2019, 25, 3026-3034.  | 7.0  | 29        |
| 53 | Grover's-like drug eruption in a patient with metastatic melanoma under ipilimumab therapy. , 2016, 4, 47.   |      | 27        |
| 54 | Lethal COVID-19: Radiologic-Pathologic Correlation of the Lungs. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e200406.  | 2.5  | 27        |

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|----|--|-----|-----------|
| 55 | Characterisation of cardiac pathology in 23 autopsies of lethal <scp>COVID</scp>â€¹9. Journal of Pathology: Clinical Research, 2021, 7, 326-337.   | 3.0 | 27        |
| 56 | An efficient in situ hybridization protocol for multiple tissue sections and probes on miniaturized slides. Development Genes and Evolution, 2002, 212, 403-406.   | 0.9 | 26        |
| 57 | The differentiation of cerebellar interneurons is independent of their mitotic history. Neuroscience, 1999, 90, 1243-1254.   | 2.3 | 24        |
| 58 | Electroporation of primary neural cultures: a simple method for directed gene transfer in vitro. Histochemistry and Cell Biology, 2002, 118, 501-506.  | 1.7 | 24        |
| 59 | Merkel cell polyomavirus large T antigen is detected in rare cases of nonmelanoma skin cancer. Journal of Cutaneous Pathology, 2013, 40, 543-549.  | 1.3 | 24        |
| 60 | Single-Center Experience with a Targeted Next Generation Sequencing Assay for Assessment of Relevant Somatic Alterations in Solid Tumors. Neoplasia, 2017, 19, 196-206.  | 5.3 | 22        |
| 61 | Expression of classical cadherins in the cerebellar anlage: Quantitative and functional aspects. Molecular and Cellular Neurosciences, 2006, 33, 447-458.  | 2.2 | 20        |
| 62 | Basal cell carcinoma in a series of renal transplant recipients: epidemiology and clinicopathologic features. International Journal of Dermatology, 2010, 49, 385-389.   | 1.0 | 19        |
| 63 | Interleukin-33 Expression Indicates a Favorable Prognosis in Malignant Salivary Gland Tumors. International Journal of Surgical Pathology, 2016, 24, 394-400.  | 0.8 | 19        |
| 64 | Detection of Merkel Cell Polyomavirus in Epidermodysplasia-Verruciformis-Associated Skin Neoplasms. Dermatology, 2011, 222, 87-92.   | 2.1 | 18        |
| 65 | Granulomas are a source of interleukin-33 expression in pulmonary and extrapulmonary sarcoidosis. Human Pathology, 2014, 45, 2202-2210.  | 2.0 | 16        |
| 66 | Immunocytochemistry for ARID1A as a potential biomarker in urine cytology of bladder cancer. Cancer Cytopathology, 2019, 127, 578-585.   | 2.4 | 16        |
| 67 | Heterogeneity of ERG expression in core needle biopsies of patients with early prostate cancer. Human Pathology, 2013, 44, 2727-2735.  | 2.0 | 15        |
| 68 | COVID-19 Autopsies Reveal Underreporting of SARS-CoV-2 Infection and Scarcity of Co-infections. Frontiers in Medicine, 2022, 9, 868954.  | 2.6 | 14        |
| 69 | Vascular Damage, Thromboinflammation, Plasmablast Activation, T-Cell Dysregulation and Pathological Histiocytic Response in Pulmonary Draining Lymph Nodes of COVID-19. Frontiers in Immunology, 2021, 12, 763098. | 4.8 | 12        |
| 70 | Progressive scoliosis in central core disease. European Spine Journal, 2005, 14, 900-905.  | 2.2 | 11        |
| 71 | Determinants of SARS-CoV-2 entry and replication in airway mucosal tissue and susceptibility in smokers. Cell Reports Medicine, 2021, 2, 100421.   | 6.5 | 11        |
| 72 | Intra-Abdominal Nocardiosisâ€™ Case Report and Review of the Literature. Journal of Clinical Medicine, 2020, 9, 2141.  | 2.4 | 10        |

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|----|---|-----|-----------|
| 73 | Characterization of the tumor microenvironment in primary cutaneous <sc>CD30</sc>-positive lymphoproliferative disorders: a predominance of <sc>CD163</sc>-positive <sc>M2</sc> macrophages. Journal of Cutaneous Pathology, 2016, 43, 579-588. | 1.3 | 9         |
| 74 | Critical Skin Cancer in Organ Transplant Recipients – A Dermatopathological View. Current Problems in Dermatology, 2012, 43, 18-35.   | 0.7 | 8         |
| 75 | A rare case of atypical cellular neurothekeoma in a 68-year-old woman. Journal of Cutaneous Pathology, 2009, 36, 1210-1214.   | 1.3 | 7         |
| 76 | Loss of Lymphotoxin Alpha-Expressing Memory B Cells Correlates with Metastasis of Human Primary Melanoma. Diagnostics, 2021, 11, 1238.  | 2.6 | 6         |
| 77 | Colorectal Choriocarcinoma in a Patient with Probable Lynch Syndrome. Frontiers in Oncology, 2016, 6, 252.  | 2.8 | 5         |
| 78 | Interspatial Distribution of Tumor and Immune Cells in Correlation with PD-L1 in Molecular Subtypes of Gastric Cancers. Cancers, 2022, 14, 1736.  | 3.7 | 4         |
| 79 | Immunohistochemical and Transcriptional Analysis of SARS-CoV-2 Entry Factors and Renin-Angiotensin-Aldosterone System Components in Lethal COVID-19. Pathobiology, 2022, 89, 166-177.   | 3.8 | 4         |
| 80 | Spatiotemporal Analysis of B Cell- and Antibody Secreting Cell-Subsets in Human Melanoma Reveals Metastasis-, Tumor Stage-, and Age-Associated Dynamics. Frontiers in Cell and Developmental Biology, 2021, 9, 677944.                          | 3.7 | 3         |
| 81 | Integrated Analysis Of Immunotherapy Treated Clear Cell Renal Cell Carcinomas: An Exploratory Study. Journal of Immunotherapy, 2022, 45, 35-42.   | 2.4 | 3         |
| 82 | Nonhematopoietic IRAK1 drives arthritis via neutrophil chemoattractants. JCI Insight, 2022, 7, .  | 5.0 | 2         |
| 83 | Differentiation and morphogenesis of cerebellar interneurons developing under controlled in vitro conditions. Annals of Anatomy, 2001, 183, 389-390.  | 1.9 | 1         |
| 84 | Toward a Platform for Structured Data Acquisition in Oncology: A Pilot Study on Prostate Cancer Screening. Oncology, 2021, 99, 1-11.  | 1.9 | 1         |
| 85 | Tumor mutational burden assessed by a targeted NGS assay to predict clinical benefit from immune checkpoint inhibitors in non-small cell lung cancer.. Journal of Clinical Oncology, 2019, 37, e14266-e14266.                                   | 1.6 | 1         |
| 86 | ERG EXPRESSION VARIES IN DIFFERENT ISOFORMS OF TMPRSS2:ERG GENE FUSION IN PROSTATE CANCER. Journal of Urology, 2008, 179, 393-393.  | 0.4 | 0         |
| 87 | INTEGRATION OF ERG GENE MAPPING AND GENE-EXPRESSION PROFILING IDENTIFIES DISTINCT CATEGORIES OF HUMAN PROSTATE CANCER. BJU International, 2009, 103, 1293-1293.   | 2.5 | 0         |
| 88 | Abstract LB-21: Emergence of castration resistant prostate cancer class defined by recurrent ERG fusion. , 2010, , .  |     | 0         |
| 89 | Tumor mutational burden assessed by a targeted NGS assay to predict benefit from immune checkpoint inhibitors in non-small cell lung cancer.. Journal of Clinical Oncology, 2018, 36, e15075-e15075.  | 1.6 | 0         |
| 90 | Abstract B050: Identification of PD-1 TILs and CXCL13 as determinants for response to anti-PD-1 treatment using human tumor explants. , 2019, , .   |     | 0         |