Michael R Clay

List of Publications by Year
in descending order

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40 papers	1,492 citations	567281 15 h-index	361022 35 g-index
46 all docs	46 docs citations	46 times ranked	3455 citing authors

#	Article	IF	Citations
1	A single-cell and single-nucleus RNA-Seq toolbox for fresh and frozen human tumors. Nature Medicine, 2020, 26, 792-802.	30.7	381
2	Orthotopic patient-derived xenografts of paediatric solid tumours. Nature, 2017, 549, 96-100.	27.8	223
3	Identification of Therapeutic Targets in Rhabdomyosarcoma through Integrated Genomic, Epigenomic, and Proteomic Analyses. Cancer Cell, 2018, 34, 411-426.e19.	16.8	106
4	Genomes for Kids: The Scope of Pathogenic Mutations in Pediatric Cancer Revealed by Comprehensive DNA and RNA Sequencing. Cancer Discovery, 2021, 11, 3008-3027.	9.4	88
5	MDM2 Amplification in Problematic Lipomatous Tumors. American Journal of Surgical Pathology, 2015, 39, 1433-1439.	3.7	70
6	MDM2 and CDK4 Immunohistochemistry: Should It Be Used in Problematic Differentiated Lipomatous Tumors?. American Journal of Surgical Pathology, 2016, 40, 1647-1652.	3.7	67
7	MYCN amplification and ATRX mutations are incompatible in neuroblastoma. Nature Communications, 2020, 11, 913.	12.8	66
8	Recurrent BCOR internal tandem duplication and BCOR or BCL6 expression distinguish primitive myxoid mesenchymal tumor of infancy from congenital infantile fibrosarcoma. Modern Pathology, 2017, 30, 884-891.	5.5	60
9	An update on the central nervous system manifestations of Liâ€“Fraumeni syndrome. Acta Neuropathologica, 2020, 139, 669-687.	7.7	44
10	A phase I trial of talazoparib and irinotecan with and without temozolomide in children and young adults with recurrent or refractory solid malignancies. European Journal of Cancer, 2020, 137, 204-213.	2.8	39
11	Route of 41BB/41BBL Costimulation Determines Effector Function of B7-H3-CAR.CD28Î¶ T Cells. Molecular Therapy - Oncolytics, 2020, 18, 202-214.	4.4	37
12	XAF1 as a modifier of p53 function and cancer susceptibility. Science Advances, 2020, 6, eaba3231.	10.3	37
13	Identification of Clinical and Biologic Correlates Associated With Outcome in Children With Adrenocortical Tumors Without Germline TP53 Mutations: A St Jude Adrenocortical Tumor Registry and Childrenâ€™s Oncology Group Study. Journal of Clinical Oncology, 2017, 35, 3956-3963.	1.6	33
14	Forty-five patient-derived xenografts capture the clinical and biological heterogeneity of Wilms tumor. Nature Communications, 2019, 10, 5806.	12.8	27
15	The myogenesis program drives clonal selection and drug resistance in rhabdomyosarcoma. Developmental Cell, 2022, 57, 1226-1240.e8.	7.0	24
16	Calcifying nested stromal-epithelial tumor (CNSET) of the liver in Beckwith-Wiedemann syndrome. European Journal of Medical Genetics, 2017, 60, 136-139.	1.3	22
17	Dedifferentiation in SDH-Deficient Gastrointestinal Stromal Tumor: A Report With Histologic, Immunophenotypic, and Molecular Characterization. Pediatric and Developmental Pathology, 2019, 22, 492-498.	1.0	15
18	Benign infiltrative myofibroblastic neoplasms of childhood with USP6 gene rearrangement. Histopathology, 2020, 77, 760-768.	2.9	15

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19	MAST2 and NOTCH1 translocations in breast carcinoma and associated pre-invasive lesions. Human Pathology, 2013, 44, 2837-2844.	2.0	14
20	Clear cell sarcoma of kidney involving a horseshoe kidney and harboring EGFR internal tandem duplication. Pediatric Blood and Cancer, 2017, 64, e26602.	1.5	14
21	Dasatinib induces a dramatic response in a child with refractory juvenile xanthogranuloma with a novel MRC1-PDGFRB fusion. Blood Advances, 2020, 4, 2991-2995.	5.2	10
22	Bioinformatics Education in Pathology Training: Current Scope and Future Direction. Cancer Informatics, 2017, 16, 117693511770338.	1.9	9
23	The Common Germline TP53-R337H Mutation Is Hypomorphic and Confers Incomplete Penetrance and Late Tumor Onset in a Mouse Model. Cancer Research, 2021, 81, 2442-2456.	0.9	9
24	An addition to the evolving spectrum of lipofibromatosis and lipofibromatosis-like neural tumor: Molecular findings in an unusual phenotype aid in accurate classification. Pathology Research and Practice, 2020, 216, 152942.	2.3	7
25	Pathological and Genetic Stratification for Management of Adrenocortical Carcinoma. Journal of Clinical Endocrinology and Metabolism, 2022, 107, 1159-1169.	3.6	7
26	Clinicopathologic Characteristics of HER2 FISHâ€“ambiguous Breast Cancer at a Single Institution. American Journal of Surgical Pathology, 2013, 37, 120-127.	3.7	6
27	DNA Methylation Profiling Reveals Prognostically Significant Groups in Pediatric Adrenocortical Tumors: A Report From the International Pediatric Adrenocortical Tumor Registry. JCO Precision Oncology, 2019, 3, 1-21.	3.0	6
28	SLFN11 is Widely Expressed in Pediatric Sarcoma and Induces Variable Sensitization to Replicative Stress Caused By DNA-Damaging Agents. Molecular Cancer Therapeutics, 2021, 20, 2151-2165.	4.1	6
29	Partial response to carboplatin, etoposide phosphate, and atezolizumab in a pediatric patient with highâ€grade metastatic tumor with rhabdoid and focal neuroendocrine features. Pediatric Blood and Cancer, 2020, 67, e28048.	1.5	5
30	Clinical and Functional Significance of TP53 Exon 4â€“Intron 4 Splice Junction Variants. Molecular Cancer Research, 2022, 20, 207-216.	3.4	4
31	A genetic mouse model with postnatalNf1andp53loss recapitulates the histology and transcriptome of human malignant peripheral nerve sheath tumor. Neuro-Oncology Advances, 2021, 3, vdab129.	0.7	3
32	TERT Expression in Wilms Tumor Is Regulated by Promoter Mutation or Hypermethylation, WT1, and N-MYC. Cancers, 2022, 14, 1655.	3.7	3
33	Risk of Secondary Malignancy (Including Breast) in Patients With Mismatch-repair Protein Deficiency. American Journal of Surgical Pathology, 2014, 38, 1494-1500.	3.7	1
34	Genitopatellar syndrome and neuroblastoma: The multidisciplinary management of a previously unreported association. Pediatric Blood and Cancer, 2018, 65, e27373.	1.5	1
35	Evaluating bone biopsy quality by technique in an animal model. , 2022, 2, 100008.		1
36	No Evidence of Human Clonally Transmissible Anogenital Cancer. International Journal of Surgical Pathology, 2010, 18, 304-304.	0.8	0

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37	Bullous Kaposiform Hemangioendothelioma Masquerading as Aplasia Cutis Congenita. Pediatric Dermatology, 2016, 33, e267-9.	0.9	0
38	Abstract 642: Genomes for Kids: Comprehensive DNA and RNA sequencing defining the scope of actionable mutations in pediatric cancer. , 2021, , .		0
39	OR02-1 DNA Methylation Profiling in Pediatric Adrenocortical Tumors Reveals Distinct Methylation Signatures with Prognostic Significance: A Report from the International Pediatric Adrenocortical Tumor Registry. Journal of the Endocrine Society, 2019, 3, .	0.2	0
40	SAT-LB058 Effect of a Genetic Modifier of Cancer Risk in TP53 Mutation Carriers. Journal of the Endocrine Society, 2019, 3, .	0.2	0