

# Sandra Camelo-Piragua

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

2,302  
citations

567281

15  
h-index

552781

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

3457  
citing authors

#	ARTICLE	IF	CITATIONS
1	Near real-time intraoperative brain tumor diagnosis using stimulated Raman histology and deep neural networks. <i>Nature Medicine</i> , 2020, 26, 52-58.	30.7	413
2	Rapid, Label-Free Detection of Brain Tumors with Stimulated Raman Scattering Microscopy. <i>Science Translational Medicine</i> , 2013, 5, 201ra119.	12.4	398
3	Rapid intraoperative histology of unprocessed surgical specimens via fibre-laser-based stimulated Raman scattering microscopy. <i>Nature Biomedical Engineering</i> , 2017, 1, .	22.5	374
4	Detection of human brain tumor infiltration with quantitative stimulated Raman scattering microscopy. <i>Science Translational Medicine</i> , 2015, 7, 309ra163.	12.4	249
5	Extensive Survey of STAT6 Expression in a Large Series of Mesenchymal Tumors. <i>American Journal of Clinical Pathology</i> , 2015, 143, 672-682.	0.7	168
6	CNS-PNETs with C19MC amplification and/or LIN28 expression comprise a distinct histogenetic diagnostic and therapeutic entity. <i>Acta Neuropathologica</i> , 2014, 128, 291-303.	7.7	141
7	Mutant IDH1-specific immunohistochemistry distinguishes diffuse astrocytoma from astrocytosis. <i>Acta Neuropathologica</i> , 2010, 119, 509-511.	7.7	101
8	Rapid Intraoperative Diagnosis of Pediatric Brain Tumors Using Stimulated Raman Histology. <i>Cancer Research</i> , 2018, 78, 278-289.	0.9	98
9	A Sensitive and Specific Diagnostic Panel to Distinguish Diffuse Astrocytoma From Astrocytosis: Chromosome 7 Gain With Mutant Isocitrate Dehydrogenase 1 and p53. <i>Journal of Neuropathology and Experimental Neurology</i> , 2011, 70, 110-115.	1.7	67
10	Isocitrate Dehydrogenase 1 Analysis Differentiates Gangliogliomas from Infiltrative Gliomas. <i>Brain Pathology</i> , 2011, 21, 564-574.	4.1	55
11	Characterizing and targeting <i>PDGFRA</i> alterations in pediatric high-grade glioma. <i>Oncotarget</i> , 2016, 7, 65696-65706.	1.8	55
12	Further understanding of the pathology of glioma: implications for the clinic. <i>Expert Review of Neurotherapeutics</i> , 2016, 16, 1055-1065.	2.8	32
13	Rapid, label-free detection of diffuse glioma recurrence using intraoperative stimulated Raman histology and deep neural networks. <i>Neuro-Oncology</i> , 2021, 23, 144-155.	1.2	25
14	Opposing Tumor-Promoting and -Suppressive Functions of Rictor/mTORC2 Signaling in Adult Glioma and Pediatric SHH Medulloblastoma. <i>Cell Reports</i> , 2018, 24, 463-478.e5.	6.4	21
15	Neuroimaging features of CNS histiocytosis syndromes. <i>Clinical Imaging</i> , 2020, 60, 131-140.	1.5	19
16	Automated histologic diagnosis of CNS tumors with machine learning. <i>CNS Oncology</i> , 2020, 9, CNS56.	3.0	18
17	Polysomy is associated with poor outcome in 1p/19q codeleted oligodendroglial tumors. <i>Neuro-Oncology</i> , 2019, 21, 1164-1174.	1.2	12
18	Clinical phenotypes and prognostic features of embryonal tumours with multi-layered rosettes: a Rare Brain Tumor Registry study. <i>The Lancet Child and Adolescent Health</i> , 2021, 5, 800-813.	5.6	12

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19	Clinically Integrated Sequencing Alters Therapy in Children and Young Adults With High-Risk Glial Brain Tumors. <i>JCO Precision Oncology</i> , 2018, 2, 1-34.	3.0	10
20	Fast and slide-free imaging. <i>Nature Biomedical Engineering</i> , 2017, 1, 926-928.	22.5	8
21	Rapid Automated Analysis of Skull Base Tumor Specimens Using Intraoperative Optical Imaging and Artificial Intelligence. <i>Neurosurgery</i> , 2022, 90, 758-767.	1.1	8
22	Loss of Pin1 Suppresses Hedgehog-Driven Medulloblastoma Tumorigenesis. <i>Neoplasia</i> , 2017, 19, 216-225.	5.3	7
23	Loss of AMPK $\beta$ 2 Impairs Hedgehog-Driven Medulloblastoma Tumorigenesis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3287.	4.1	5
24	Clear Cell Tumors of the Central Nervous System: A Case-Based Review. <i>Archives of Pathology and Laboratory Medicine</i> , 2012, 136, 915-926.	2.5	3
25	H3K27M-mutant diffuse midline glioma with extensive intratumoral microthrombi in a young adult with COVID-19-associated coagulopathy. <i>Acta Neuropathologica</i> , 2020, 140, 227-229.	7.7	2
26	Langerhans cell histiocytosis. <i>Ear, Nose and Throat Journal</i> , 2010, 89, 112-3.	0.8	1
27	Rapid Intraoperative Diagnosis of Sellar Region Tumors Using Stimulated Raman Histology. , 2019, 80, .		0