

# Alessandro Perin

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74 papers	14,239 citations	39 h-index	80 g-index
80 ext. papers	21,155 ext. citations	12.6 avg, IF	4.32 L-index

#	Paper	IF	Citations
74	Comprehensive, Integrative Genomic Analysis of Diffuse Lower-Grade Gliomas. <i>New England Journal of Medicine</i> , <b>2015</b> , 372, 2481-98	59.2	1828
73	The Immune Landscape of Cancer. <i>Immunity</i> , <b>2018</b> , 48, 812-830.e14	32.3	1754
72	Oncogenic Signaling Pathways in The Cancer Genome Atlas. <i>Cell</i> , <b>2018</b> , 173, 321-337.e10	56.2	1124
71	An Integrated TCGA Pan-Cancer Clinical Data Resource to Drive High-Quality Survival Outcome Analytics. <i>Cell</i> , <b>2018</b> , 173, 400-416.e11	56.2	1072
70	Cell-of-Origin Patterns Dominate the Molecular Classification of 10,000 Tumors from 33 Types of Cancer. <i>Cell</i> , <b>2018</b> , 173, 291-304.e6	56.2	888
69	Comprehensive Characterization of Cancer Driver Genes and Mutations. <i>Cell</i> , <b>2018</b> , 173, 371-385.e18	56.2	854
68	Machine Learning Identifies Stemness Features Associated with Oncogenic Dedifferentiation. <i>Cell</i> , <b>2018</b> , 173, 338-354.e15	56.2	560
67	Genomic and Molecular Landscape of DNA Damage Repair Deficiency across The Cancer Genome Atlas. <i>Cell Reports</i> , <b>2018</b> , 23, 239-254.e6	10.6	405
66	Genomic and Functional Approaches to Understanding Cancer Aneuploidy. <i>Cancer Cell</i> , <b>2018</b> , 33, 676-689.e3	24.3	377
65	Spatial Organization and Molecular Correlation of Tumor-Infiltrating Lymphocytes Using Deep Learning on Pathology Images. <i>Cell Reports</i> , <b>2018</b> , 23, 181-193.e7	10.6	366
64	Pathogenic Germline Variants in 10,389 Adult Cancers. <i>Cell</i> , <b>2018</b> , 173, 355-370.e14	56.2	342
63	Comprehensive Analysis of Alternative Splicing Across Tumors from 8,705 Patients. <i>Cancer Cell</i> , <b>2018</b> , 34, 211-224.e6	24.3	327
62	Scalable Open Science Approach for Mutation Calling of Tumor Exomes Using Multiple Genomic Pipelines. <i>Cell Systems</i> , <b>2018</b> , 6, 271-281.e7	10.6	320
61	The Cancer Genome Atlas Comprehensive Molecular Characterization of Renal Cell Carcinoma. <i>Cell Reports</i> , <b>2018</b> , 23, 313-326.e5	10.6	295
60	A Comprehensive Pan-Cancer Molecular Study of Gynecologic and Breast Cancers. <i>Cancer Cell</i> , <b>2018</b> , 33, 690-705.e9	24.3	277
59	lncRNA Epigenetic Landscape Analysis Identifies EPIC1 as an Oncogenic lncRNA that Interacts with MYC and Promotes Cell-Cycle Progression in Cancer. <i>Cancer Cell</i> , <b>2018</b> , 33, 706-720.e9	24.3	275
58	Driver Fusions and Their Implications in the Development and Treatment of Human Cancers. <i>Cell Reports</i> , <b>2018</b> , 23, 227-238.e3	10.6	235

57	Somatic Mutational Landscape of Splicing Factor Genes and Their Functional Consequences across 33 Cancer Types. <i>Cell Reports</i> , <b>2018</b> , 23, 282-296.e4	10.6	188
56	Perspective on Oncogenic Processes at the End of the Beginning of Cancer Genomics. <i>Cell</i> , <b>2018</b> , 173, 305-320.e10	56.2	166
55	Pan-cancer Alterations of the MYC Oncogene and Its Proximal Network across the Cancer Genome Atlas. <i>Cell Systems</i> , <b>2018</b> , 6, 282-300.e2	10.6	159
54	Comprehensive Molecular Characterization of the Hippo Signaling Pathway in Cancer. <i>Cell Reports</i> , <b>2018</b> , 25, 1304-1317.e5	10.6	152
53	Pan-Cancer Analysis of lncRNA Regulation Supports Their Targeting of Cancer Genes in Each Tumor Context. <i>Cell Reports</i> , <b>2018</b> , 23, 297-312.e12	10.6	147
52	Genomic, Pathway Network, and Immunologic Features Distinguishing Squamous Carcinomas. <i>Cell Reports</i> , <b>2018</b> , 23, 194-212.e6	10.6	146
51	A Pan-Cancer Analysis of Enhancer Expression in Nearly 9000 Patient Samples. <i>Cell</i> , <b>2018</b> , 173, 386-399.e12	10.6	133
50	Intraoperative contrast-enhanced ultrasound for brain tumor surgery. <i>Neurosurgery</i> , <b>2014</b> , 74, 542-552; discussion 552	3.2	133
49	Systematic Analysis of Splice-Site-Creating Mutations in Cancer. <i>Cell Reports</i> , <b>2018</b> , 23, 270-281.e3	10.6	121
48	Molecular Characterization and Clinical Relevance of Metabolic Expression Subtypes in Human Cancers. <i>Cell Reports</i> , <b>2018</b> , 23, 255-269.e4	10.6	112
47	A Pan-Cancer Analysis Reveals High-Frequency Genetic Alterations in Mediators of Signaling by the TGF- $\beta$ Superfamily. <i>Cell Systems</i> , <b>2018</b> , 7, 422-437.e7	10.6	85
46	Cooperative study by the Italian neuroendoscopy group on the treatment of 61 colloid cysts. <i>Childs Nervous System</i> , <b>2006</b> , 22, 1263-7	1.7	76
45	Machine Learning Detects Pan-cancer Ras Pathway Activation in The Cancer Genome Atlas. <i>Cell Reports</i> , <b>2018</b> , 23, 172-180.e3	10.6	66
44	Intraoperative cerebral glioma characterization with contrast enhanced ultrasound. <i>BioMed Research International</i> , <b>2014</b> , 2014, 484261	3	57
43	Integrated Genomic Analysis of the Ubiquitin Pathway across Cancer Types. <i>Cell Reports</i> , <b>2018</b> , 23, 213-226.e3	10.6	56
42	Fusion imaging for intra-operative ultrasound-based navigation in neurosurgery. <i>Journal of Ultrasound</i> , <b>2014</b> , 17, 243-51	3.4	47
41	Activation of endogenous neural stem cells in the adult human brain following subarachnoid hemorrhage. <i>Journal of Neuroscience Research</i> , <b>2007</b> , 85, 1647-55	4.4	47
40	Advanced Ultrasound Imaging in Glioma Surgery: Beyond Gray-Scale B-mode. <i>Frontiers in Oncology</i> , <b>2018</b> , 8, 576	5.3	44

39	Transcription factors FOXG1 and Groucho/TLE promote glioblastoma growth. <i>Nature Communications</i> , <b>2013</b> , 4, 2956	17.4	43
38	From Grey Scale B-Mode to Elastasonography: Multimodal Ultrasound Imaging in Meningioma Surgery-Pictorial Essay and Literature Review. <i>BioMed Research International</i> , <b>2015</b> , 2015, 925729	3	36
37	Intraoperative Navigated Angiosonography for Skull Base Tumor Surgery. <i>World Neurosurgery</i> , <b>2015</b> , 84, 1699-707	2.1	32
36	Craniotomy vs. craniectomy for posterior fossa tumors: a prospective study to evaluate complications after surgery. <i>Acta Neurochirurgica</i> , <b>2013</b> , 155, 2281-6	3	32
35	Ventricular cerebrospinal fluid melatonin concentrations investigated with an endoscopic technique. <i>Journal of Pineal Research</i> , <b>2007</b> , 42, 113-8	10.4	32
34	Inhibition of cortical neuron differentiation by Groucho/TLE1 requires interaction with WRPW, but not Eh1, repressor peptides. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 24881-8	5.4	28
33	Endoscopic treatment of brain abscesses. <i>Child's Nervous System</i> , <b>2006</b> , 22, 1447-50	1.7	28
32	Intraoperative ultrasound in spinal tumor surgery. <i>Journal of Ultrasound</i> , <b>2014</b> , 17, 195-202	3.4	26
31	Toward Improving Safety in Neurosurgery with an Active Handheld Instrument. <i>Annals of Biomedical Engineering</i> , <b>2018</b> , 46, 1450-1464	4.7	22
30	Decompressive craniectomy in a case of intractable intracranial hypertension due to pneumococcal meningitis. <i>Acta Neurochirurgica</i> , <b>2008</b> , 150, 837-42; discussion 842	3	22
29	May we deliver neuro-oncology in difficult times (e.g. COVID-19)?. <i>Journal of Neuro-Oncology</i> , <b>2020</b> , 148, 203-205	4.8	20
28	Practical assessment of preoperative functional mapping techniques: navigated transcranial magnetic stimulation and functional magnetic resonance imaging. <i>Neurological Sciences</i> , <b>2013</b> , 34, 1551-7	3.5	19
27	Endoscopic anatomy of the cerebral aqueduct. <i>Operative Neurosurgery</i> , <b>2007</b> , 61, 1-5; discussion 5-6	1.6	18
26	Application of an aviation model of incident reporting and investigation to the neurosurgical scenario: method and preliminary data. <i>Neurosurgical Focus</i> , <b>2012</b> , 33, E7	4.2	16
25	Face, Content, and Construct Validity of Brain Tumor Microsurgery Simulation Using a Human Placenta Model. <i>Operative Neurosurgery</i> , <b>2016</b> , 12, 61-67	1.6	16
24	Neurosurgical tools to extend tumor resection in hemispheric low-grade gliomas: conventional and contrast enhanced ultrasonography. <i>Child's Nervous System</i> , <b>2016</b> , 32, 1907-14	1.7	16
23	Filling the gap between the OR and virtual simulation: a European study on a basic neurosurgical procedure. <i>Acta Neurochirurgica</i> , <b>2018</b> , 160, 2087-2097	3	15
22	Informed consent through 3D virtual reality: a randomized clinical trial. <i>Acta Neurochirurgica</i> , <b>2021</b> , 163, 301-308	3	14

21	Navigated Intraoperative 2-Dimensional Ultrasound in High-Grade Glioma Surgery: Impact on Extent of Resection and Patient Outcome. <i>Operative Neurosurgery</i> , <b>2020</b> , 18, 363-373	1.6	13
20	USim: A New Device and App for Case-Specific, Intraoperative Ultrasound Simulation and Rehearsal in Neurosurgery. A Preliminary Study. <i>Operative Neurosurgery</i> , <b>2018</b> , 14, 572-578	1.6	13
19	Image-Guided Biopsy of Intracranial Lesions with a Small Robotic Device (iSYS1): A Prospective, Exploratory Pilot Study. <i>Operative Neurosurgery</i> , <b>2019</b> , 17, 403-412	1.6	11
18	A preliminary study of aquaporin 1 immunolocalization in chronic subdural hematoma membranes. <i>Journal of Clinical Neuroscience</i> , <b>2010</b> , 17, 905-7	2.2	11
17	Endoscopic selective sampling of human ventricular CSF: a new perspective. <i>Minimally Invasive Neurosurgery</i> , <b>2004</b> , 47, 350-4		10
16	Study of tryptophan metabolism via serotonin in cerebrospinal fluid of patients with noncommunicating hydrocephalus using a new endoscopic technique. <i>Journal of Neuroscience Research</i> , <b>2006</b> , 84, 683-91	4.4	8
15	Enhanced torque-based impedance control to assist brain targeting during open-skull neurosurgery: a feasibility study. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , <b>2016</b> , 12, 326-41	2.9	7
14	Conus medullaris-cauda arteriovenous malformation and Klippel-Trenaunay syndrome: what is the treatment goal?. <i>Neurologia Medico-Chirurgica</i> , <b>2013</b> , 53, 110-4	2.6	6
13	Piezosurgery for Infra- and Supratentorial Craniotomies in Brain Tumor Surgery. <i>World Neurosurgery</i> , <b>2019</b> , 122, e1398-e1404	2.1	6
12	Barometric changes in patients with intracranial lesions: can they dive and fly?. <i>World Neurosurgery</i> , <b>2009</b> , 71, 368-71, discussion 371		5
11	A study of tryptophan metabolism via serotonin in ventricular cerebrospinal fluid in HIV-1 infection using a neuroendoscopic technique. <i>Current HIV Research</i> , <b>2007</b> , 5, 267-72	1.3	4
10	Health Literacy and Pseudoliteracy in Neurosurgery: the "C. Besta" Experience. <i>World Neurosurgery</i> , <b>2015</b> , 84, 1541-3	2.1	3
9	EANS Basic Brain Course (ABC): combining simulation to cadaver lab for a new concept of neurosurgical training. <i>Acta Neurochirurgica</i> , <b>2020</b> , 162, 453-460	3	3
8	An unworthy successor's answer. In reply to Prof Ausman's editorial entitled "Why we misunderstand the younger generations". <i>World Neurosurgery</i> , <b>2008</b> , 69, 434-5		1
7	Outcome and clinico-biological characteristics of advanced breast cancer patients with surgically resected brain metastases: a multidisciplinary approach. <i>Ecancermedicalscience</i> , <b>2013</b> , 7, 309	2.7	1
6	The "STARS-CT-MADE" Study: Advanced Rehearsal and Intraoperative Navigation for Skull Base Tumors. <i>World Neurosurgery</i> , <b>2021</b> , 154, e19-e28	2.1	1
5	The "STARS-CASCADE" Study: Virtual Reality Simulation as a New Training Approach in Vascular Neurosurgery. <i>World Neurosurgery</i> , <b>2021</b> , 154, e130-e146	2.1	1
4	Real-time vessel segmentation and reconstruction for virtual fixtures for an active handheld microneurosurgical instrument.. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2022</b> , 1	3.9	1

- 3 Brain Tectal Tumors: A Flexible Approach. *Operative Neurosurgery*, **2019**, 16, E95-E100 1.6 o
- 2 Headache, chest pain, and multiplex cranial neuropathy. *Neurological Sciences*, **2019**, 40, 1477-1480 3.5
- 1 Conservative treatment for bilateral subdural hematomas. *Journal of Neurosurgical Sciences*, **2020**, 64, 124-125 1.3