

Alessandro Perin

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

26,275
citations

76326

40
h-index

69250

77
g-index

80
all docs

80
docs citations

80
times ranked

35908
citing authors

#	ARTICLE	IF	CITATIONS
1	The "STARS" study: advanced preoperative rehearsal and intraoperative navigation in neurosurgical oncology. <i>Journal of Neurosurgical Sciences</i> , 2023, 67, .	0.6	3
2	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> , 2022, 17, 1069-1077.	2.8	4
3	Informed consent through 3D virtual reality: a randomized clinical trial. <i>Acta Neurochirurgica</i> , 2021, 163, 301-308.	1.7	33
4	The "STARS" CT-MADE Study: Advanced Rehearsal and Intraoperative Navigation for Skull Base Tumors. <i>World Neurosurgery</i> , 2021, 154, e19-e28.	1.3	4
5	The "STARS-CASCADE" Study: Virtual Reality Simulation as a New Training Approach in Vascular Neurosurgery. <i>World Neurosurgery</i> , 2021, 154, e130-e146.	1.3	14
6	Navigated Intraoperative 2-Dimensional Ultrasound in High-Grade Glioma Surgery: Impact on Extent of Resection and Patient Outcome. <i>Operative Neurosurgery</i> , 2020, 18, 363-373.	0.8	33
7	EANS Basic Brain Course (ABC): combining simulation to cadaver lab for a new concept of neurosurgical training. <i>Acta Neurochirurgica</i> , 2020, 162, 453-460.	1.7	11
8	May we deliver neuro-oncology in difficult times (e.g. COVID-19)?. <i>Journal of Neuro-Oncology</i> , 2020, 148, 203-205.	2.9	23
9	Conservative treatment for bilateral subdural hematomas. <i>Journal of Neurosurgical Sciences</i> , 2020, 64, 124-125.	0.6	0
10	Brain Tectal Tumors: A Flexible Approach. <i>Operative Neurosurgery</i> , 2019, 16, E95-E100.	0.8	1
11	Image-Guided Biopsy of Intracranial Lesions with a Small Robotic Device (iSYS1): A Prospective, Exploratory Pilot Study. <i>Operative Neurosurgery</i> , 2019, 17, 403-412.	0.8	15
12	Headache, chest pain, and multiplex cranial neuropathy. <i>Neurological Sciences</i> , 2019, 40, 1477-1480.	1.9	0
13	Piezosurgery for Infra- and Supratentorial Craniotomies in Brain Tumor Surgery. <i>World Neurosurgery</i> , 2019, 122, e1398-e1404.	1.3	10
14	An Integrated TCGA Pan-Cancer Clinical Data Resource to Drive High-Quality Survival Outcome Analytics. <i>Cell</i> , 2018, 173, 400-416.e11.	28.9	2,277
15	Comprehensive Characterization of Cancer Driver Genes and Mutations. <i>Cell</i> , 2018, 173, 371-385.e18.	28.9	1,670
16	Cell-of-Origin Patterns Dominate the Molecular Classification of 10,000 Tumors from 33 Types of Cancer. <i>Cell</i> , 2018, 173, 291-304.e6.	28.9	1,718
17	A Pan-Cancer Analysis of Enhancer Expression in Nearly 9000 Patient Samples. <i>Cell</i> , 2018, 173, 386-399.e12.	28.9	228
18	Perspective on Oncogenic Processes at the End of the Beginning of Cancer Genomics. <i>Cell</i> , 2018, 173, 305-320.e10.	28.9	272

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19	Machine Learning Identifies Stemness Features Associated with Oncogenic Dedifferentiation. Cell, 2018, 173, 338-354.e15.	28.9	1,417
20	Oncogenic Signaling Pathways in The Cancer Genome Atlas. Cell, 2018, 173, 321-337.e10.	28.9	2,111
21	Pathogenic Germline Variants in 10,389 Adult Cancers. Cell, 2018, 173, 355-370.e14.	28.9	620
22	Somatic Mutational Landscape of Splicing Factor Genes and Their Functional Consequences across 33 Cancer Types. Cell Reports, 2018, 23, 282-296.e4.	6.4	333
23	Driver Fusions and Their Implications in the Development and Treatment of Human Cancers. Cell Reports, 2018, 23, 227-238.e3.	6.4	407
24	Genomic, Pathway Network, and Immunologic Features Distinguishing Squamous Carcinomas. Cell Reports, 2018, 23, 194-212.e6.	6.4	245
25	Pan-Cancer Analysis of lncRNA Regulation Supports Their Targeting of Cancer Genes in Each Tumor Context. Cell Reports, 2018, 23, 297-312.e12.	6.4	205
26	The Cancer Genome Atlas Comprehensive Molecular Characterization of Renal Cell Carcinoma. Cell Reports, 2018, 23, 313-326.e5.	6.4	523
27	Spatial Organization and Molecular Correlation of Tumor-Infiltrating Lymphocytes Using Deep Learning on Pathology Images. Cell Reports, 2018, 23, 181-193.e7.	6.4	683
28	The Immune Landscape of Cancer. Immunity, 2018, 48, 812-830.e14.	14.3	3,706
29	Machine Learning Detects Pan-cancer Ras Pathway Activation in The Cancer Genome Atlas. Cell Reports, 2018, 23, 172-180.e3.	6.4	119
30	Integrated Genomic Analysis of the Ubiquitin Pathway across Cancer Types. Cell Reports, 2018, 23, 213-226.e3.	6.4	83
31	Genomic and Molecular Landscape of DNA Damage Repair Deficiency across The Cancer Genome Atlas. Cell Reports, 2018, 23, 239-254.e6.	6.4	801
32	Molecular Characterization and Clinical Relevance of Metabolic Expression Subtypes in Human Cancers. Cell Reports, 2018, 23, 255-269.e4.	6.4	204
33	Systematic Analysis of Splice-Site-Creating Mutations in Cancer. Cell Reports, 2018, 23, 270-281.e3.	6.4	177
34	Scalable Open Science Approach for Mutation Calling of Tumor Exomes Using Multiple Genomic Pipelines. Cell Systems, 2018, 6, 271-281.e7.	6.2	605
35	Pan-cancer Alterations of the MYC Oncogene and Its Proximal Network across the Cancer Genome Atlas. Cell Systems, 2018, 6, 282-300.e2.	6.2	284
36	lncRNA Epigenetic Landscape Analysis Identifies EPIC1 as an Oncogenic lncRNA that Interacts with MYC and Promotes Cell-Cycle Progression in Cancer. Cancer Cell, 2018, 33, 706-720.e9.	16.8	400

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37	Genomic and Functional Approaches to Understanding Cancer Aneuploidy. <i>Cancer Cell</i> , 2018, 33, 676-689.e3.	16.8	750
38	A Comprehensive Pan-Cancer Molecular Study of Gynecologic and Breast Cancers. <i>Cancer Cell</i> , 2018, 33, 690-705.e9.	16.8	478
39	USim: A New Device and App for Case-Specific, Intraoperative Ultrasound Simulation and Rehearsal in Neurosurgery. A Preliminary Study. <i>Operative Neurosurgery</i> , 2018, 14, 572-578.	0.8	17
40	Advanced Ultrasound Imaging in Glioma Surgery: Beyond Gray-Scale B-mode. <i>Frontiers in Oncology</i> , 2018, 8, 576.	2.8	60
41	Filling the gap between the OR and virtual simulation: a European study on a basic neurosurgical procedure. <i>Acta Neurochirurgica</i> , 2018, 160, 2087-2097.	1.7	21
42	A Pan-Cancer Analysis Reveals High-Frequency Genetic Alterations in Mediators of Signaling by the TGF- β Superfamily. <i>Cell Systems</i> , 2018, 7, 422-437.e7.	6.2	134
43	Comprehensive Molecular Characterization of the Hippo Signaling Pathway in Cancer. <i>Cell Reports</i> , 2018, 25, 1304-1317.e5.	6.4	329
44	Comprehensive Analysis of Alternative Splicing Across Tumors from 8,705 Patients. <i>Cancer Cell</i> , 2018, 34, 211-224.e6.	16.8	623
45	Toward Improving Safety in Neurosurgery with an Active Handheld Instrument. <i>Annals of Biomedical Engineering</i> , 2018, 46, 1450-1464.	2.5	29
46	Face, Content, and Construct Validity of Brain Tumor Microsurgery Simulation Using a Human Placenta Model. <i>Operative Neurosurgery</i> , 2016, 12, 61-67.	0.8	23
47	Neurosurgical tools to extend tumor resection in hemispheric low-grade gliomas: conventional and contrast enhanced ultrasonography. <i>Child's Nervous System</i> , 2016, 32, 1907-1914.	1.1	20
48	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> , 2016, 12, 326-341.	2.3	9
49	From Grey Scale B-Mode to Elastosonography: Multimodal Ultrasound Imaging in Meningioma Surgery – Pictorial Essay and Literature Review. <i>BioMed Research International</i> , 2015, 2015, 1-13.	1.9	47
50	Health Literacy and Pseudoliteracy in Neurosurgery: the α C. Besta Experience. <i>World Neurosurgery</i> , 2015, 84, 1541-1543.	1.3	3
51	Comprehensive, Integrative Genomic Analysis of Diffuse Lower-Grade Gliomas. <i>New England Journal of Medicine</i> , 2015, 372, 2481-2498.	27.0	2,582
52	Intraoperative Navigated Angiosonography for Skull Base Tumor Surgery. <i>World Neurosurgery</i> , 2015, 84, 1699-1707.	1.3	39
53	Intraoperative Cerebral Glioma Characterization with Contrast Enhanced Ultrasound. <i>BioMed Research International</i> , 2014, 2014, 1-9.	1.9	71
54	Intraoperative Contrast-Enhanced Ultrasound for Brain Tumor Surgery. <i>Neurosurgery</i> , 2014, 74, 542-552.	1.1	163

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55	Fusion imaging for intra-operative ultrasound-based navigation in neurosurgery. <i>Journal of Ultrasound</i> , 2014, 17, 243-251.	1.3	60
56	Intraoperative ultrasound in spinal tumor surgery. <i>Journal of Ultrasound</i> , 2014, 17, 195-202.	1.3	33
57	ecancermedalscience. <i>Ecancermedalscience</i> , 2013, 7, 309.	1.1	1
58	Craniotomy vs. craniectomy for posterior fossa tumors: a prospective study to evaluate complications after surgery. <i>Acta Neurochirurgica</i> , 2013, 155, 2281-2286.	1.7	38
59	Transcription factors FOXG1 and Groucho/TLE promote glioblastoma growth. <i>Nature Communications</i> , 2013, 4, 2956.	12.8	56
60	Practical assessment of preoperative functional mapping techniques: navigated transcranial magnetic stimulation and functional magnetic resonance imaging. <i>Neurological Sciences</i> , 2013, 34, 1551-1557.	1.9	24
61	Conus Medullaris-Cauda Arteriovenous Malformation and Klippel-Trenaunay Syndrome: What is the Treatment Goal?. <i>Neurologia Medico-Chirurgica</i> , 2013, 53, 110-114.	2.2	6
62	Application of an aviation model of incident reporting and investigation to the neurosurgical scenario: method and preliminary data. <i>Neurosurgical Focus</i> , 2012, 33, E7.	2.3	25
63	A preliminary study of AQUIAPORIN 1 immunolocalization in chronic subdural hematoma membranes. <i>Journal of Clinical Neuroscience</i> , 2010, 17, 905-907.	1.5	14
64	Barometric changes in patients with intracranial lesions: can they dive and fly?. <i>World Neurosurgery</i> , 2009, 71, 368-371.	1.3	5
65	Decompressive craniectomy in a case of intractable intracranial hypertension due to pneumococcal meningitis. <i>Acta Neurochirurgica</i> , 2008, 150, 837-842.	1.7	32
66	An unworthy successor's answer. <i>World Neurosurgery</i> , 2008, 69, 434-435.	1.3	2
67	Inhibition of Cortical Neuron Differentiation by Groucho/TLE1 Requires Interaction with WRPW, but Not Eh1, Repressor Peptides. <i>Journal of Biological Chemistry</i> , 2008, 283, 24881-24888.	3.4	38
68	A Study of Tryptophan Metabolism via Serotonin in Ventricular Cerebrospinal Fluid in HIV-1 Infection Using a Neuroendoscopic Technique. <i>Current HIV Research</i> , 2007, 5, 267-272.	0.5	5
69	ENDOSCOPIC ANATOMY OF THE CEREBRAL AQUEDUCT. <i>Operative Neurosurgery</i> , 2007, 61, 1-7.	0.8	22
70	Activation of endogenous neural stem cells in the adult human brain following subarachnoid hemorrhage. <i>Journal of Neuroscience Research</i> , 2007, 85, 1647-1655.	2.9	55
71	Ventricular cerebrospinal fluid melatonin concentrations investigated with an endoscopic technique. <i>Journal of Pineal Research</i> , 2007, 42, 113-118.	7.4	36
72	Cooperative study by the Italian neuroendoscopy group on the treatment of 61 colloid cysts. <i>Child's Nervous System</i> , 2006, 22, 1263-1267.	1.1	85

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73	Endoscopic treatment of brain abscesses. <i>Child's Nervous System</i> , 2006, 22, 1447-1450.	1.1	33
74	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> , 2006, 84, 683-691.	2.9	9
75	Endoscopic Selective Sampling of Human Ventricular CSF: A New Perspective. <i>Minimally Invasive Neurosurgery</i> , 2004, 47, 350-354.	0.9	11