## Alessandro Della Puppa

List of Publications by Year in descending order

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Version: 2024-02-01

120 papers 2,526 citations

218677 26 h-index 233421 45 g-index

122 all docs  $\begin{array}{c} 122 \\ \text{docs citations} \end{array}$ 

122 times ranked

3969 citing authors

#	Article	IF	CITATIONS
1	Intratumoral Hypoxic Gradient Drives Stem Cells Distribution and MGMT Expression in Glioblastoma. Stem Cells, 2010, 28, 851-862.	3.2	262
2	Interaction of Hypoxia-Inducible Factor- $1\hat{l}_{\pm}$ and Notch Signaling Regulates Medulloblastoma Precursor Proliferation and Fate. Stem Cells, 2010, 28, 1918-1929.	3.2	133
3	5-aminolevulinic acid (5-ALA) fluorescence guided surgery of high-grade gliomas in eloquent areas assisted by functional mapping. Our experience and review of the literature. Acta Neurochirurgica, 2013, 155, 965-972.	1.7	90
4	Predicting the "usefulness―of 5-ALA-derived tumor fluorescence for fluorescence-guided resections in pediatric brain tumors: a European survey. Acta Neurochirurgica, 2014, 156, 2315-2324.	1.7	87
5	Diffusion-weighted imaging does not predict histological grading in meningiomas. Acta Neurochirurgica, 2010, 152, 1315-1319.	1.7	82
6	The Three-Layer Concentric Model of Glioblastoma: Cancer Stem Cells, Microenvironmental Regulation, and Therapeutic Implications. Scientific World Journal, The, 2011, 11, 1829-1841.	2.1	74
7	Effectiveness of antiangiogenic drugs in glioblastoma patients: A systematic review and meta-analysis of randomized clinical trials. Critical Reviews in Oncology/Hematology, 2017, 111, 94-102.	4.4	73
8	Predictive value of intraoperative 5-aminolevulinic acid–induced fluorescence for detecting bone invasion in meningioma surgery. Journal of Neurosurgery, 2014, 120, 840-845.	1.6	69
9	Prothrombotic state in glioblastoma multiforme: an evaluation of the procoagulant activity of circulating microparticles. Journal of Neuro-Oncology, 2011, 104, 225-231.	2.9	66
10	5-Aminolevulinic Acid Fluorescence in High Grade Glioma Surgery: Surgical Outcome, Intraoperative Findings, and Fluorescence Patterns. BioMed Research International, 2014, 2014, 1-8.	1.9	61
11	Increased Rate of Intracranial Saccular Aneurysms in Acromegaly: An MR Angiography Study and Review of the Literature. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 1292-1300.	3.6	56
12	Circulating microparticles of glial origin and tissue factor bearing in high-grade glioma: a potential prothrombotic role. Thrombosis and Haemostasis, 2013, 110, 378-385.	3.4	55
13	Diagnostic Value of Plasma and Urinary 2-Hydroxyglutarate to Identify Patients With Isocitrate Dehydrogenase-Mutated Glioma. Oncologist, 2015, 20, 562-567.	3.7	55
14	Clinical and Genetic Factors Associated With Severe Hematological Toxicity in Glioblastoma Patients During Radiation Plus Temozolomide Treatment. American Journal of Clinical Oncology: Cancer Clinical Trials, 2015, 38, 514-519.	1.3	50
15	Hypoxia and succinate antagonize 2-deoxyglucose effects on glioblastoma. Biochemical Pharmacology, 2010, 80, 1517-1527.	4.4	47
16	Serum YKL-40 following resection for cerebral glioblastoma. Journal of Neuro-Oncology, 2012, 107, 299-305.	2.9	47
17	Neural potential of a stem cell population in the adipose and cutaneous tissues. Neurological Research, 2010, 32, 47-54.	1.3	46
18	Indocyanine green videoangiography (ICGV)-guided surgery of parasagittal meningiomas occluding the superior sagittal sinus (SSS). Acta Neurochirurgica, 2013, 155, 415-420.	1.7	46

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19	Molecular Mechanisms of HIF-1α Modulation Induced by Oxygen Tension and BMP2 in Glioblastoma Derived Cells. PLoS ONE, 2009, 4, e6206.	2.5	45
20	Predictors of survival and effect of short (40ÂGy) or standard-course (60ÂGy) irradiation plus concomitant temozolomide in elderly patients with glioblastoma: a multicenter retrospective study of AINO (Italian Association of Neuro-Oncology). Journal of Neuro-Oncology, 2015, 125, 359-367.	2.9	42
21	Right parietal cortex and calculation processing: intraoperative functional mapping of multiplication and addition in patients affected by a brain tumor. Journal of Neurosurgery, 2013, 119, 1107-1111.	1.6	40
22	Neoplastic Meningitis from Solid Tumors: New Diagnostic and Therapeutic Approaches. Oncologist, 2011, 16, 1175-1188.	3.7	38
23	MGMT expression and promoter methylation status may depend on the site of surgical sample collection within glioblastoma: a possible pitfall in stratification of patients?. Journal of Neuro-Oncology, 2012, 106, 33-41.	2.9	34
24	Hypertension as a biomarker in patients with recurrent glioblastoma treated with antiangiogenic drugs. Anti-Cancer Drugs, 2013, 24, 90-97.	1.4	31
25	Hyaluronan and Fibrin Biomaterial as Scaffolds for Neuronal Differentiation of Adult Stem Cells Derived from Adipose Tissue and Skin. International Journal of Molecular Sciences, 2011, 12, 6749-6764.	4.1	30
26	Phenotypic and functional characterization of Glioblastoma cancer stem cells identified trough 5-aminolevulinic acid-assisted surgery. Journal of Neuro-Oncology, 2014, 116, 505-513.	2.9	30
27	Annexin 2A sustains glioblastoma cell dissemination and proliferation. Oncotarget, 2016, 7, 54632-54649.	1.8	29
28	A Simplified Callosal Angle Measure Best Differentiates Idiopathic-Normal Pressure Hydrocephalus from Neurodegenerative Dementia. Journal of Alzheimer's Disease, 2015, 46, 1033-1038.	2.6	24
29	Addressing the selective role of distinct prefrontal areas in response suppression: A study with brain tumor patients. Neuropsychologia, 2017, 100, 120-130.	1.6	24
30	Microsurgical Clipping of Intracranial Aneurysms Assisted by Neurophysiological Monitoring, Microvascular Flow Probe, and ICG-VA: Outcomes and Intraoperative Data on a Multimodal Strategy. World Neurosurgery, 2018, 113, e336-e344.	1.3	24
31	Subcortical mapping of calculation processing in the right parietal lobe. Journal of Neurosurgery, 2015, 122, 1038-1041.	1.6	23
32	Image-guided cranial osteoma resection and bioceramic porous hydroxyapatite custom-made reconstruction in a one-step surgical procedure. Technical notes and illustrative case. Acta Neurochirurgica, 2010, 152, 155-159.	1.7	22
33	Application of indocyanine green video angiography in parasagittal meningioma surgery. Neurosurgical Focus, 2014, 36, E13.	2.3	22
34	Immunosuppressive activity of tumor-infiltrating myeloid cells in patients with meningioma. Oncolmmunology, 2018, 7, e1440931.	4.6	22
35	The first 3Âmonths after BCNU wafers implantation in high-grade glioma patients: clinical and radiological considerations on a clinical series. Acta Neurochirurgica, 2010, 152, 1923-1931.	1.7	21
36	Indocyanine green videoangiography (ICGV) in parasagittal meningiomas surgery. Considerations on veins management and brain function preservation. Acta Neurochirurgica, 2013, 155, 1475-1476.	1.7	20

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37	Intracranial internal carotid artery changes in acromegaly: a quantitative magnetic resonance angiography study. Pituitary, 2014, 17, 414-422.	2.9	20
38	Nanostructured Guidance for Peripheral Nerve Injuries: A Review with a Perspective in the Oral and Maxillofacial Area. International Journal of Molecular Sciences, 2014, 15, 3088-3117.	4.1	19
39	Development of machine learning models to prognosticate chronic shunt-dependent hydrocephalus after aneurysmal subarachnoid hemorrhage. Acta Neurochirurgica, 2020, 162, 3093-3105.	1.7	19
40	Surgery on motor area metastasis. Neurosurgical Review, 2016, 39, 71-78.	2.4	18
41	Cognitive improvement after cranioplasty: A possible volume transmission-related effect. Acta Neurochirurgica, 2013, 155, 1597-1599.	1.7	17
42	A synthetic BMP-2 mimicking peptide induces glioblastoma stem cell differentiation. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 2282-2292.	2.4	17
43	Outcome of patients affected by newly diagnosed glioblastoma undergoing surgery assisted by 5-aminolevulinic acid guided resection followed by BCNU wafers implantation: a 3-year follow-up. Journal of Neuro-Oncology, 2017, 131, 331-340.	2.9	17
44	Widespread cortical functional disconnection in gliomas: an individual network mapping approach. Brain Communications, 2022, 4, fcac082.	3.3	17
45	Cisplatin and temozolomide combination in the treatment of leptomeningeal carcinomatosis from ethmoid sinus intestinal-type adenocarcinoma. Journal of Neuro-Oncology, 2011, 104, 381-386.	2.9	16
46	Microsurgical clipping of intracranial aneurysms assisted by green indocyanine videoangiography (ICGV) and ultrasonic perivascular microflow probe measurement. Clinical Neurology and Neurosurgery, 2014, 116, 35-40.	1.4	16
47	Use of a new absorbable sealing film for preventing postoperative cerebrospinal fluid leaks: remarks on a new approach. British Journal of Neurosurgery, 2010, 24, 609-611.	0.8	15
48	Macrocephaly, Subarachnoid Fluid Collection, and Glutaric Aciduria Type I. Journal of Child Neurology, 1996, 11, 414-417.	1.4	14
49	Carmustine Wafer Implantation When Surgical Cavity Is Communicating with Cerebral Ventricles: Technical Considerations on a Clinical Series. World Neurosurgery, 2011, 76, 156-159.	1.3	14
50	Case series evidence for improvement of executive functions after late cranioplasty. Brain Injury, 2013, 27, 1723-1726.	1.2	14
51	Cisplatin and Temozolomide Combination in the Treatment of Supratentorial Anaplastic Ependymoma. Chemotherapy, 2013, 59, 176-180.	1.6	14
52	Solitary intra-ventricular brain metastasis from a breast carcinoma. Journal of Neuro-Oncology, 2010, 97, 123-126.	2.9	12
53	Isolation and Expansion of Regionally Defined Human Glioblastoma Cells In Vitro. Current Protocols in Stem Cell Biology, 2011, 17, Unit 3.4.	3.0	12
54	Postoperative seizure in high grade glioma patients treated with BCNU wafers. A mono-institutional experience. Journal of Neuro-Oncology, 2011, 105, 275-280.	2.9	12

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55	Clinical outcome of an alternative fotemustine schedule in elderly patients with recurrent glioblastoma: a mono-institutional retrospective study. Journal of Neuro-Oncology, 2016, 128, 481-486.	2.9	12
56	A Single-Center Experience with the Olympus ORBEYE 4K-3D Exoscope for Microsurgery of Complex Cranial Cases: Technical Nuances and Learning Curve. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2021, 82, 484-489.	0.8	12
57	Intra-operative 5-aminolevulinic acid (ALA)-induced fluorescence of medulloblastoma: phenotypic variability and CD133+ expression according to different fluorescence patterns. Neurological Sciences, 2014, 35, 99-102.	1.9	11
58	Transdural indocyanine green video-angiography of vascular malformations. Acta Neurochirurgica, 2014, 156, 1761-1767.	1.7	11
59	Presurgical 99mTc-sestamibi brain SPET/CT versus SPET: a comparison with MRI and histological data in 33 patients with brain tumours. Nuclear Medicine Communications, 2009, 30, 660-668.	1.1	10
60	Multifocal presentation of medulloblastoma in adulthood. Journal of Neuro-Oncology, 2012, 107, 233-237.	2.9	10
61	Herniation of cerebellar tonsils in acromegaly: prevalence, pathogenesis and clinical impact. Pituitary, 2013, 16, 122-130.	2.9	10
62	An Overview of Fotemustine in High-Grade Gliomas: From Single Agent to Association with Bevacizumab. BioMed Research International, 2014, 2014, 1-8.	1.9	10
63	Mental time line distortion in right-brain-damaged patients: Evidence from a dynamic spatiotemporal task Neuropsychology, 2016, 30, 338-345.	1.3	10
64	The "Squeezing Maneuver―in Microsurgical Clipping of Intracranial Aneurysms Assisted by Indocyanine Green Videoangiography. Operative Neurosurgery, 2014, 10, 208-213.	0.8	9
65	Functional mapping of left parietal areas involved in simple addition and multiplication. A singleâ€case study of qualitative analysis of errors. Journal of Neuropsychology, 2015, 9, 330-335.	1.4	9
66	Focal left prefrontal lesions and cognitive impairment: A multivariate lesion-symptom mapping approach. Neuropsychologia, 2020, 136, 107253.	1.6	9
67	Sustained Accumulation of Blood-Derived Macrophages in the Immune Microenvironment of Patients with Recurrent Glioblastoma after Therapy. Cancers, 2021, 13, 6178.	3.7	9
68	Co-localisation of meningioma and craniopharyngioma mimicking a single skull base tumour in an elderly patient. Journal of Neuro-Oncology, 2011, 102, 167-170.	2.9	8
69	Open Transcranial Resection of Small (<35 mm) Meningiomas of the Anterior Midline Skull Base in Current Microsurgical Practice. World Neurosurgery, 2015, 84, 741-750.	1.3	8
70	Rare association between spinal dural arteriovenous fistulas and dysraphisms: Report of two cases and review of the literature with a focus on pitfalls in diagnosis and treatment. Interventional Neuroradiology, 2017, 23, 458-464.	1.1	8
71	Beyond breast specificâ€"Graded Prognostic Assessment in patients with brain metastases from breast cancer: treatment impact on outcome. Journal of Neuro-Oncology, 2017, 131, 369-376.	2.9	8
72	5-ALA fluorescence on tumors different from malignant gliomas. Review of the literature and our experience. Journal of Neurosurgical Sciences, 2020, 63, 661-669.	0.6	8

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73	Myeloid Diagnostic and Prognostic Markers of Immune Suppression in the Blood of Glioma Patients. Frontiers in Immunology, 2021, 12, 809826.	4.8	8
74	The suboccipital midline approach to foramen magnum meningiomas. Acta Neurochirurgica, 2015, 157, 869-873.	1.7	7
<b>7</b> 5	Intraoperative functional mapping of calculation in parietal surgery. New insights and clinical implications. Acta Neurochirurgica, 2015, 157, 971-977.	1.7	7
76	The suboccipital midline approach to foramen magnum meningiomas: safety and efficacy in a series of 23 consecutive patients over a 5-year period. Acta Neurochirurgica, 2015, 157, 1275-1276.	1.7	7
77	Intraoperative Flow Measurement by Microflow Probe During Spinal Dural Arteriovenous Fistula Surgery. World Neurosurgery, 2016, 89, 413-419.	1.3	7
78	Radiotherapy in acromegaly: Long-term brain parenchymal and vascular magnetic resonance changes. Journal of Neuroradiology, 2018, 45, 323-328.	1.1	7
79	Letter to the Editor: 5-aminolevulinic acid–guided resection of bone-invasive meningiomas. Neurosurgical Focus, 2013, 35, E6.	2.3	6
80	The rare event of optic-chiasmatic hemorrhagic low grade glioma in adulthood. Considerations on treatment strategy. Neurological Sciences, 2014, 35, 623-625.	1.9	6
81	Reconstructive strategies for dermatofibrosarcomas of the face: Role of regenerative dermal templates. Head and Neck, 2015, 37, E8-11.	2.0	6
82	Tissue Engineering Strategies as Tools for Personalized Meningioma Treatment. Artificial Organs, 2015, 39, E114-26.	1.9	6
83	Can the Efficacy of Indocyanine Green Videoangiography in Cerebral Arterio-Venous Malformations Surgery Be Further Improved?. Neurosurgery, 2014, 75, E732-E734.	1.1	5
84	Intraoperative Flow Measurement by Microflow Probe During Surgery for Brain Arteriovenous Malformations. Operative Neurosurgery, 2015, 11, 268-273.	0.8	5
85	Approaching a brainstem high-grade glioma (HGG) with the assistance of 5-aminolevulinic acid (5-ALA) technology: a new strategy for an old surgical challenge. Neurological Sciences, 2015, 36, 797-799.	1.9	5
86	The "lCG Entrapment Sign―in Cerebral Aneurysm Surgery Assisted by Indocyanine Green Videoangiography. World Neurosurgery, 2017, 97, 287-291.	1.3	5
87	Utility of indocyanine green videoangiography in subcortical arteriovenous malformation resection. Neurosurgical Focus, 2017, 43, V10.	2.3	5
88	Magnetic Resonance Imaging Correlates of Immune Microenvironment in Glioblastoma. Frontiers in Oncology, 2022, 12, 823812.	2.8	5
89	Assessment of structural disconnections in gliomas: comparison of indirect and direct approaches. Brain Structure and Function, 2022, 227, 3109-3120.	2.3	5
90	Hemifacial spasm can be the presenting symptom of a fourth ventricle tumour. A short case-illustrated review and pathogenetic considerations. Acta Neurochirurgica, 2011, 153, 2383-2387.	1.7	4

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91	Pontocerebellar Angle Aspergillosis. Neurologist, 2011, 17, 75-78.	0.7	4
92	Novel Nanotechnologies for Brain Cancer Therapeutics and Imaging. Journal of Biomedical Nanotechnology, 2015, 11, 1899-1912.	1.1	4
93	Gliomas. BioMed Research International, 2014, 2014, 1-2.	1.9	3
94	Is the intra-operative application of indocyanine green effective in retro-orbital surgery?. Acta Neurochirurgica, 2014, 156, 1419-1420.	1.7	3
95	Urine 2-Hydroxyglutarate in Glioma. Oncologist, 2016, 21, 1026-1026.	3.7	3
96	Intra-operative devascularization of petroclival meningiomas by ICG-VA-guided Bernasconi & Cassinari artery identification. Acta Neurochirurgica, 2016, 158, 427-428.	1.7	3
97	Tuberculum Sellae Meningioma Resection: Technical Nuances on the Frontopterional Approach. Journal of Neurological Surgery, Part B: Skull Base, 2018, 79, S225-S226.	0.8	3
98	Two dissociable semantic mechanisms predict naming errors and their responsive brain sites in awake surgery. DO80 revisited. Neuropsychologia, 2021, 151, 107727.	1.6	3
99	Cilengitide in bevacizumab-refractory high-grade glioma. Anti-Cancer Drugs, 2012, 23, 749-753.	1.4	2
100	The Combination of Carmustine Wafers and Fotemustine in Recurrent Glioblastoma Patients: A Monoinstitutional Experience. BioMed Research International, 2014, 2014, 1-4.	1.9	2
101	Multimodal Flow-Assisted Resection of Brain AVMs. Acta Neurochirurgica Supplementum, 2016, 123, 141-145.	1.0	2
102	ICG-VA application in subtemporal transtentorial treatment of a Cognard V dural arteriovenous fistula. Neurosurgical Focus, 2016, 40, 1.	2.3	2
103	Indocyanine Green Videoangiography Transoptic Visualization and Clipping Confirmation of an Optic Splitting Ophthalmic Artery Aneurysm. World Neurosurgery, 2016, 90, 705.e5-705.e8.	1.3	2
104	An Overview of Intracranial Ependymomas in Adults. Cancers, 2021, 13, 6128.	3.7	2
105	Brainstem surgery assisted by temporary trans-venous pacing to prevent severe bradycardia. Acta Neurochirurgica, 2014, 156, 431-432.	1.7	1
106	Endovascular rescue treatment through stent positioning after surgical clipping of intracranial aneurysms complicated by parent artery obstruction. BMJ Case Reports, 2017, 2017, bcr-2017-013321.	0.5	1
107	Indocyanine green videoangiography application in distal (M4) middle cerebral artery aneurysm surgery. Journal of Neurosurgical Sciences, 2017, 61, 351-354.	0.6	1
108	The unusual subarachnoid hemorrhage presentation by a "sentinel" isolated trochlear nerve palsy of a posterior communicating artery aneurysm. Journal of Neurosurgical Sciences, 2017, 61, 444-446.	0.6	1

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109	Radiomic Features Associated with Extent of Resection in Glioma Surgery. Acta Neurochirurgica Supplementum, 2022, 134, 341-347.	1.0	1
110	Are familial colloid cysts of the third ventricle associated with a worse clinical course than sporadic forms? Case illustration and systematic literature review. Journal of Neurosurgical Sciences, 2020, , .	0.6	1
111	Can fifth nerve mapping guide rhizotomy for recurrent trigeminal neuralgia? Case report. Neurochirurgie, 2022, 68, e48-e51.	1.2	1
112	A critique of visual materials in $\hat{a} \in \infty$ Evidence for an occipito-temporal tract underlying visual recognition in picture naming $\hat{a} \in \mathbb{R}$ Clinical Neurology and Neurosurgery, 2011, 113, 80-81.	1.4	0
113	Functional MRI and calculation processing: considerations on preliminary experience about intra-operative validation by electro-stimulation. Neurological Sciences, 2015, 36, 1729-1731.	1.9	O
114	5-ALA fluorescence applied to glioneuronal tumors. Acta Neurochirurgica, 2016, 158, 2123-2125.	1.7	O
115	Brain low-grade gliomas with high-grade spinal localization. Report of a clinical case and systematic literature review. Journal of Neurosurgical Sciences, 2021, , .	0.6	O
116	Stem Cell Distribution and MGMT Expression in Glioblastoma: Role of Intratumoral Hypoxic Gradient. , 2012, , 139-147.		O
117	5-aminolevulinic acid and sodium fluorescein in IV ventricle ependymoma surgery: preliminary experience comparing the two techniques. Neurological Sciences, 2022, , 1.	1.9	O
118	Impaired cognitive control in patients with brain tumors. Neuropsychologia, 2022, 169, 108187.	1.6	0
119	Editorial: Bridging Cognitive Neuroscience and Neurosurgery for Effective Brain Mapping. Frontiers in Human Neuroscience, 2022, 16, 899341.	2.0	O
120	Letter to the Editor Regarding "5-Aminolevulinic Acid False Positives in Cerebral Neuro-Oncology: Not All That Is Fluorescent Is Tumor. A Case-Based Update and Literature Review― World Neurosurgery, 2022, 161, 216-217.	1.3	0