

Isabelle M Germano

List of Publications by Year in descending order

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122
papers

6,979
citations

61984

43
h-index

60623

81
g-index

124
all docs

124
docs citations

124
times ranked

7725
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of autophagy in temozolomide-induced cytotoxicity for malignant glioma cells. <i>Cell Death and Differentiation</i> , 2004, 11, 448-457.	11.2	917
2	Induction of autophagic cell death in malignant glioma cells by arsenic trioxide. <i>Cancer Research</i> , 2003, 63, 2103-8.	0.9	439
3	Cortical Blood Flow and Cerebral Perfusion Pressure in a New Noncraniotomy Model of Subarachnoid Hemorrhage in the Rat. <i>Stroke</i> , 1995, 26, 1086-1092.	2.0	392
4	Arsenic trioxide induces autophagic cell death in malignant glioma cells by upregulation of mitochondrial cell death protein BNIP3. <i>Oncogene</i> , 2005, 24, 980-991.	5.9	377
5	The future of neurosurgery: a white paper on the recruitment and retention of women in neurosurgery. <i>Journal of Neurosurgery</i> , 2008, 109, 378-386.	1.6	197
6	Kynurenate inhibition of cell excitation decreases stroke size and deficits. <i>Annals of Neurology</i> , 1987, 22, 730-734.	5.3	190
7	Molecular response of human glioblastoma multiforme cells to ionizing radiation: cell cycle arrest, modulation of cyclin-dependent kinase inhibitors, and autophagy. <i>Journal of Neurosurgery</i> , 2003, 98, 378-384.	1.6	155
8	Neuropsychological functioning following bilateral subthalamic nucleus stimulation in Parkinson's disease. <i>Archives of Clinical Neuropsychology</i> , 2004, 19, 165-181.	0.5	139
9	Neuronal Migration Disorders Increase Susceptibility to Hyperthermia-Induced Seizures in Developing Rats. <i>Epilepsia</i> , 1996, 37, 902-910.	5.1	138
10	The therapeutic value of nimodipine in experimental focal cerebral ischemia. <i>Journal of Neurosurgery</i> , 1987, 67, 81-87.	1.6	136
11	Frameless stereotaxy for surgery of the epilepsies: preliminary experience. <i>Journal of Neurosurgery</i> , 1994, 81, 629-633.	1.6	129
12	Adenovirus/Herpes Simplex-Thymidine Kinase/Ganciclovir Complex: Preliminary Results of a Phase I trial in Patients with Recurrent Malignant Gliomas. <i>Journal of Neuro-Oncology</i> , 2003, 65, 279-289.	2.9	129
13	Efficient Differentiation of Human Embryonic and Induced Pluripotent Stem Cells into Functional Astrocytes. <i>Stem Cells and Development</i> , 2012, 21, 404-410.	2.1	129
14	Inhibition of DNA repair for sensitizing resistant glioma cells to temozolomide. <i>Journal of Neurosurgery</i> , 2003, 99, 1047-1052.	1.6	128
15	Intrathecal baclofen for dystonia: Benefits and complications during six years of experience. <i>Movement Disorders</i> , 2000, 15, 1242-1247.	3.9	123
16	Intracerebral Hemorrhage Occurring Remote from the Craniotomy Site. <i>Neurosurgery</i> , 1996, 39, 1114-1122.	1.1	118
17	Reoperation for recurrent temporal lobe epilepsy. <i>Journal of Neurosurgery</i> , 1994, 81, 31-36.	1.6	115
18	Intracranial meningiomas of the first two decades of life. <i>Journal of Neurosurgery</i> , 1994, 80, 447-453.	1.6	106

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19	Unilateral stimulation of the subthalamic nucleus in Parkinson disease: a double-blind 12-month evaluation study. <i>Journal of Neurosurgery</i> , 2004, 101, 36-42.	1.6	98
20	Tracking Career Paths of Women in Neurosurgery. <i>Neurosurgery</i> , 2018, 82, 576-582.	1.1	98
21	Clinical Use of the Optical Digitizer for Intracranial Neuronavigation. <i>Neurosurgery</i> , 1999, 45, 261-269.	1.1	97
22	Positive trends in neurosurgery enrollment and attrition: analysis of the 2000â€“2009 female neurosurgery resident cohort. <i>Journal of Neurosurgery</i> , 2016, 124, 834-839.	1.6	94
23	Histopathological follow-up study of 66 cerebral arteriovenous malformations after therapeutic embolization with polyvinyl alcohol. <i>Journal of Neurosurgery</i> , 1992, 76, 607-614.	1.6	93
24	Targeting glioma stem cells: A novel framework for brain tumors. <i>Cancer Science</i> , 2011, 102, 1958-1966.	3.9	93
25	Decompressive Craniectomy for Severe Traumatic Brain Injury: A Systematic Review. <i>World Neurosurgery</i> , 2016, 88, 411-420.	1.3	73
26	Antitumour effect of cyclin-dependent kinase inhibitors (p16INK4A, p18INK4C, p19INK4D, p21WAF1/CIP1) Tj ETQq0.0 0 rgBT/Overlock	6.4	72
27	ACR Appropriateness Criteria® on Metastatic Bone Disease. <i>Journal of the American College of Radiology</i> , 2010, 7, 400-409.	1.8	71
28	Inhibition of telomerase activity in malignant glioma cells correlates with their sensitivity to temozolomide. <i>British Journal of Cancer</i> , 2003, 89, 922-929.	6.4	69
29	Trends in United States neurosurgery residency education and training over the last decade (2009â€“2019). <i>Neurosurgical Focus</i> , 2020, 48, E6.	2.3	69
30	Apoptosis in human glioblastoma cells produced using embryonic stem cellâ€“derived astrocytes expressing tumor necrosis factorâ€“related apoptosis-inducing ligand. <i>Journal of Neurosurgery</i> , 2006, 105, 88-95.	1.6	68
31	Evidence of Enhanced Kindliig and Hippocampal Neuronal Injury in Immature Rats with Neuronal Migration Disorders. <i>Epilepsia</i> , 1998, 39, 1253-1260.	5.1	62
32	ACR Appropriateness Criteria Headache. <i>Journal of the American College of Radiology</i> , 2014, 11, 657-667.	1.8	61
33	Attrition rates in neurosurgery residency: analysis of 1361 consecutive residents matched from 1990 to 1999. <i>Journal of Neurosurgery</i> , 2015, 122, 240-249.	1.6	60
34	Caspase-8 Gene Therapy Using the Human Telomerase Reverse Transcriptase Promoter for Malignant Glioma Cells. <i>Human Gene Therapy</i> , 2002, 13, 1015-1025.	2.7	57
35	Multiparametric MRI for Differentiation of Radiation Necrosis From Recurrent Tumor in Patients With Treated Glioblastoma. <i>American Journal of Roentgenology</i> , 2018, 210, 18-23.	2.2	56
36	Increased seizure susceptibility in adult rats with neuronal migration disorders. <i>Brain Research</i> , 1997, 777, 219-222.	2.2	55

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37	Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines on the Role of Radiosurgery and Radiation Therapy in the Management of Patients With Vestibular Schwannomas. Neurosurgery, 2018, 82, E49-E51.	1.1	55
38	Correlation of histopathological features and proliferative potential of gliomas. Journal of Neurosurgery, 1989, 70, 701-706.	1.6	54
39	Primary brain tumors, neural stem cell, and brain tumor cancer cells: Where is the link?. Neuropharmacology, 2010, 58, 903-910.	4.1	53
40	Stem cells as therapeutic vehicles for the treatment of high-grade gliomas. Neuro-Oncology, 2012, 14, 256-265.	1.2	53
41	ACR Appropriateness Criteria Follow-Up of Malignant or Aggressive Musculoskeletal Tumors. Journal of the American College of Radiology, 2016, 13, 389-400.	1.8	48
42	Transplacentally induced neuronal migration disorders: An animal model for the study of the epilepsies. , 1998, 51, 473-488.		47
43	Stemness of the CT-2A Immunocompetent Mouse Brain Tumor Model: Characterization <i>In Vitro</i>. Journal of Cancer, 2012, 3, 166-174.	2.5	47
44	Collagenase in the immunohistochemical demonstration of laminin, fibronectin and factor VII/RAg in nervous tissue after fixation. Histochemistry, 1984, 80, 157-163.	1.9	45
45	Stability of Brain Intracellular Lactate and 3P-Metabolite Levels at Reduced Intracellular pH during Prolonged Hypercapnia in Rats. Journal of Cerebral Blood Flow and Metabolism, 1990, 10, 277-284.	4.3	45
46	American College of Radiology Appropriateness Criteria on Multiple Brain Metastases. International Journal of Radiation Oncology Biology Physics, 2009, 75, 961-965.	0.8	41
47	The impact of African-trained neurosurgeons on sub-Saharan Africa. Neurosurgical Focus, 2020, 48, E4.	2.3	41
48	Clinical Experience with Intracranial Brain Needle Biopsy Using Frameless Surgical Navigation. Computer Aided Surgery, 1998, 3, 33-39.	1.8	40
49	The NeuroStation System for Image-Guided, Frameless Stereotaxy. Neurosurgery, 1995, 37, 348-350.	1.1	38
50	Clinical outcome of vertebral compression fracture after single fraction spine radiosurgery for spinal metastases. Clinical and Experimental Metastasis, 2016, 33, 143-149.	3.3	37
51	Clinical Evaluation of Multimodality Registration in Frameless Stereotaxy. Computer Aided Surgery, 1999, 4, 45-49.	1.8	36
52	1-Naphthol basic dye (1-NBD). Histochemistry, 1985, 83, 97-102.	1.9	33
53	Embryonic stem cell" derived astrocytes expressing drug-inducible transgenes: differentiation and transplantation into the mouse brain. Journal of Neurosurgery, 2005, 103, 115-123.	1.6	32
54	ACR Appropriateness Criteria® Pre-Irradiation Evaluation and Management of Brain Metastases. Journal of Palliative Medicine, 2014, 17, 880-886.	1.1	32

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55	Review of global neurosurgery education: Horizon of Neurosurgery in the Developing Countries. Chinese Neurosurgical Journal, 2020, 6, 19.	0.9	32
56	Gene therapy as an adjuvant treatment for malignant gliomas: from bench to bedside. Journal of Neuro-Oncology, 2009, 93, 79-87.	2.9	31
57	“Footprint-Free” Human Induced Pluripotent Stem Cell-Derived Astrocytes for In Vivo Cell-Based Therapy. Stem Cells and Development, 2014, 23, 2626-2636.	2.1	31
58	Machine Learning in Neuro-Oncology: Can Data Analysis From 5346 Patients Change Decision-Making Paradigms?. World Neurosurgery, 2019, 124, 287-294.	1.3	31
59	Magnetic resonance imaging and 31P magnetic resonance spectroscopy for evaluating focal cerebral ischemia. Journal of Neurosurgery, 1989, 70, 612-618.	1.6	30
60	Embryonic stem cell (ESC)-mediated transgene delivery induces growth suppression, apoptosis and radiosensitization, and overcomes temozolomide resistance in malignant gliomas. Cancer Gene Therapy, 2010, 17, 664-674.	4.6	29
61	Interval Change in Diffusion and Perfusion MRI Parameters for the Assessment of Pseudoprogression in Cerebral Metastases Treated With Stereotactic Radiation. American Journal of Roentgenology, 2018, 211, 168-175.	2.2	29
62	Enhanced proapoptotic effects of tumor necrosis factor-“related apoptosis-inducing ligand on temozolomide-resistant glioma cells. Journal of Neurosurgery, 2007, 106, 646-651.	1.6	28
63	Characterization of fenofibrate-mediated anti-proliferative pro-apoptotic effects on high-grade gliomas and anti-invasive effects on glioma stem cells. Journal of Neuro-Oncology, 2014, 117, 225-234.	2.9	28
64	ACR Appropriateness Criteria®: Single Brain Metastasis. Current Problems in Cancer, 2010, 34, 162-174.	2.0	27
65	In vivo gene delivery by embryonic-stem-cell“derived astrocytes for malignant gliomas. Neuro-Oncology, 2009, 11, 102-108.	1.2	26
66	ACR Appropriateness Criteria® Follow-up and Retreatment of Brain Metastases. American Journal of Clinical Oncology: Cancer Clinical Trials, 2012, 35, 302-306.	1.3	25
67	Human iPSC for Therapeutic Approaches to the Nervous System: Present and Future Applications. Stem Cells International, 2016, 2016, 1-11.	2.5	24
68	High Energy Phosphate Metabolism in Experimental Permanent Focal Cerebral Ischemia: An in vivo ³¹ P Magnetic Resonance Spectroscopy Study. Journal of Cerebral Blood Flow and Metabolism, 1988, 8, 24-31.	4.3	21
69	ACR Appropriateness Criteria® Hearing Loss and/orVertigo. Journal of the American College of Radiology, 2018, 15, S321-S331.	1.8	21
70	Correlation of factors predicting intraoperative brain shift with successful resection of malignant brain tumors using image-guided techniques. World Neurosurgery, 2005, 63, 542-548.	1.3	19
71	A Prospective Emergency Department“Based Study of Pattern and Outcome of Neurologic and Neurosurgical Diseases in Haiti. World Neurosurgery, 2014, 82, 948-953.	1.3	19
72	Workforce Analysis of Spine Surgeons Involved with Neurological and Orthopedic Surgery Residency Training. World Neurosurgery, 2019, 122, e147-e155.	1.3	19

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73	Evaluation of factors predicting accurate resection of high-grade gliomas by using frameless image-guided stereotactic guidance. <i>Neurosurgical Focus</i> , 2003, 14, 1-4.	2.3	18
74	Women Neurosurgeons in Academic and Other Leadership Positions in the United States. <i>World Neurosurgery</i> , 2021, 147, 80-88.	1.3	18
75	A novel treatment of human malignant gliomas in vitro and in vivo: FADD gene transfer under the control of the human telomerase reverse transcriptase gene promoter. <i>International Journal of Oncology</i> , 2001, 19, 1015-20.	3.3	17
76	Is there a common upstream link for autophagic and apoptotic cell death in human high-grade gliomas?. <i>Neuro-Oncology</i> , 2011, 13, 725-735.	1.2	16
77	Gene delivery by embryonic stem cells for malignant glioma therapy: hype or hope?. <i>Cancer Biology and Therapy</i> , 2008, 7, 1341-1347.	3.4	14
78	Stem cells and gliomas: past, present, and future. <i>Journal of Neuro-Oncology</i> , 2014, 119, 547-555.	2.9	14
79	Analysis of Local Control and Pain Control After Spine Stereotactic Radiosurgery Reveals Inferior Outcomes for Hepatocellular Carcinoma Compared With Other Radioresistant Histologies. <i>Practical Radiation Oncology</i> , 2019, 9, 89-97.	2.1	14
80	Pregnancy and parental leave among neurosurgeons and neurosurgical trainees. <i>Journal of Neurosurgery</i> , 2021, 134, 1325-1333.	1.6	14
81	Embryonic stem cell-derived astrocytes: a novel gene therapy vector for brain tumors. <i>Neurosurgical Focus</i> , 2005, 19, 1-6.	2.3	13
82	The First Neurosurgery Boot Camp in Southeast Asia: Evaluating Impact on Knowledge and Regional Collaboration in Yangon, Myanmar. <i>World Neurosurgery</i> , 2018, 113, e239-e246.	1.3	13
83	Clinical evaluation of multimodality registration in frameless stereotaxy. <i>Computer Aided Surgery</i> , 1999, 4, 45-49.	1.8	13
84	ACR Appropriateness Criteria® Tinnitus. <i>Journal of the American College of Radiology</i> , 2017, 14, S584-S591.	1.8	12
85	Effects of Basic Fibroblast Growth Factor on in Vivo Cerebral Tumorigenesis in Rats. <i>Neurosurgery</i> , 1997, 40, 1027-1033.	1.1	12
86	Planning and Executing the Neurosurgery Boot Camp: The Bolivia Experience. <i>World Neurosurgery</i> , 2017, 104, 407-410.	1.3	11
87	Radiosurgery for high-grade glioma. , 2012, 3, 118.		10
88	Communicating hydrocephalus after radiosurgery for vestibular schwannomas: does technique matter? A systematic review and meta-analysis. <i>Journal of Neuro-Oncology</i> , 2019, 145, 365-373.	2.9	10
89	ACR Appropriateness Criteria® Neuroendocrine Imaging. <i>Journal of the American College of Radiology</i> , 2019, 16, S161-S173.	1.8	10
90	Reusable Low-Cost 3D Training Model for Aneurysm Clipping. <i>World Neurosurgery</i> , 2021, 147, 29-36.	1.3	9

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91	Tonsillary carcinoma after temozolomide treatment for glioblastoma multiforme: treatment-related or dual-pathology?. Journal of Neuro-Oncology, 2009, 94, 145-148.	2.9	7
92	Resilience in the Face of the COVID-19 Pandemic: How to Bend and not Break. World Neurosurgery, 2021, 146, 280-284.	1.3	7
93	Congress of Neurological Surgeons systematic review and evidence-based guidelines update on the role of cytotoxic chemotherapy and other cytotoxic therapies in the management of progressive glioblastoma in adults. Journal of Neuro-Oncology, 2022, 158, 225-253.	2.9	7
94	Racial and Ethnical Diversity Within the Neurosurgery Resident and Faculty Workforce in the United States. Neurosurgery, 2022, 91, 72-79.	1.1	7
95	Transsulcal approach to mesiotemporal lesions. Neurosurgical Focus, 1996, 1, E6.	2.3	5
96	Anticonvulsant and Neuronal Protective Effects of Propofol on Experimental Status Epilepticus. Journal of Epilepsy, 1998, 11, 168-176.	0.4	5
97	Deep Brain Stimulation for the Treatment of Parkinson's Disease. Contemporary Neurosurgery, 2001, 23, 1-9.	0.1	5
98	Web based pathology assessment in RTOG 98-04. Journal of Clinical Pathology, 2014, 67, 777-780.	2.0	5
99	Academic Productivity of United States Neurosurgeons Trained Abroad. World Neurosurgery, 2021, 152, e567-e575.	1.3	5
100	The NeuroStation System for Image-Guided, Frameless Stereotaxy. Neurosurgery, 1995, 37, 348-350.	1.1	5
101	Down-regulation of telomerase activity in malignant glioma cells by p27KIP1. International Journal of Oncology, 2003, 23, 1703.	3.3	4
102	Surgery for posterior fossa ependymomas in adults. Journal of Neurosurgical Sciences, 2017, 62, 63-70.	0.6	4
103	Paradoxical evolution of a cerebellar tuberculosis abscess after surgical drainage and antibiotic therapy. , 2014, 5, 143.		3
104	Surgical Techniques for Stereotactic Implant of Deep Brain Stimulators. Seminars in Neurosurgery, 2001, 12, 213-224.	0.0	2
105	3D simulation of aneurysm clipping: Data analysis. Data in Brief, 2021, 37, 107258.	1.0	2
106	CTIM-09. PHASE I STUDY OF PD-L1 INHIBITION WITH AVELUMAB AND LASER INTERSTITIAL THERMAL THERAPY IN PATIENTS WITH RECURRENT GLIOBLASTOMA. Neuro-Oncology, 2021, 23, vi51-vi51.	1.2	2
107	Do neurosurgeons follow the guidelines? A world-based survey on severe traumatic brain injury. Journal of Neurosurgical Sciences, 2021, 65, 465-473.	0.6	2
108	Subspecialty and Training Preferences for U.S. Neurosurgery Faculty with International Training. World Neurosurgery, 2022, 164, e326-e334.	1.3	2

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109	Gadopentetate-Induced status epilepticus. Journal of Epilepsy, 1995, 8, 306-308.	0.4	1
110	Long-term outcomes of acromegaly treated with fractionated stereotactic radiation: case series and literature review. Neuro-Oncology Practice, 2017, 4, 255-262.	1.6	1
111	Multidisciplinary management of metastatic spine disease: initial symptom-directed management. Neuro-Oncology Practice, 2020, 7, i33-i44.	1.6	1
112	Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines on the Management of Progressive Glioblastoma in Adults: Update of the 2014 Guidelines. Neurosurgery, 2022, 90, e112-e115.	1.1	1
113	Molecular Tumor Board Case Report: IDH-mutant Astrocytoma with EGFR Amplification â€“ Genomic Profiling in Four Cases and Review of Literature. Neuro-Oncology Advances, 0, , .	0.7	1
114	Breaking boundaries through Doctors Reaching Minority Men Exploring Neuroscience: a mentorship model to foster a pipeline for underrepresented minorities. Journal of Neurosurgery, 2023, 138, 533-539.	1.6	1
115	The changing landscape of ependymomas: diagnostic and treatment approaches. Journal of Neurosurgical Sciences, 2017, 62, 36-37.	0.6	0
116	RADI-29. BIOLOGIC SUBTYPES OF BREAST CANCER BRAIN METS AS A PREDICTOR OF LOCAL CONTROL AFTER STEREOTACTIC RADIOSURGERY. Neuro-Oncology Advances, 2019, 1, i27-i27.	0.7	0
117	In pursuit of glioma diagnosis: the challenges and opportunities of deep neural network augmented analyses. Neuro-Oncology, 2021, 23, 9-10.	1.2	0
118	A Neurosurgical Community Under Attack. World Neurosurgery, 2021, 149, 313-314.	1.3	0
119	Do Effects of Febrile Seizures Differ in Normal and Abnormal Brain?. , 2002, , 139-151.		0
120	Introduction. Neurosurgical international education. Neurosurgical Focus, 2020, 48, E1.	2.3	0
121	PATH-01. BRAIN METASTASES FROM ENDOMETRIAL CARCINOMA: TUMOR GENETIC ALTERATIONS IN A CASE SERIES AND META-ANALYSIS. Neuro-Oncology, 2020, 22, ii163-ii164.	1.2	0
122	Diversity within the Neurosurgical Oncology Workforce in the United States: A Cross-Sectional Study with Proposed Strategies to Pave the Path Forward. Neuro-Oncology, 0, , .	1.2	0