

Ä°lhan Elmaci

List of Publications by Year in descending order

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113
papers

1,936
citations

279701

23
h-index

345118

36
g-index

114
all docs

114
docs citations

114
times ranked

2508
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic nature of cavernous malformations: a prospective magnetic resonance imaging study with volumetric analysis. <i>Journal of Neurosurgery</i> , 2000, 93, 981-986.	0.9	155
2	Spinal hydatid disease. <i>Spinal Cord</i> , 2002, 40, 153-160.	0.9	92
3	Expression of Structural Proteins and Angiogenic Factors in Normal Arterial and Unruptured and Ruptured Aneurysm Walls. <i>Neurosurgery</i> , 2005, 57, 997-1007.	0.6	76
4	Early-postoperative magnetic resonance imaging in glial tumors: prediction of tumor regrowth and recurrence. <i>European Journal of Radiology</i> , 2003, 45, 99-107.	1.2	75
5	Determining Optimal MRI Follow-up after Transsphenoidal Surgery for Pituitary Adenoma: Scan at 24 Hours Postsurgery Provides Reliable Information. <i>Acta Neurochirurgica</i> , 2001, 143, 1103-1126.	0.9	39
6	Phosphorylated Histone H3 (PHH3) as a Novel Cell Proliferation Marker and Prognosticator for Meningeal Tumors: A Short Review. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2018, 26, 627-631.	0.6	39
7	Spinal solitary fibrous tumor: seventh reported case and review of the literature. <i>Spinal Cord</i> , 2001, 39, 57-60.	0.9	38
8	The Juxtaposition of a Capillary Telangiectasia, Cavernous Malformation, and Developmental Venous Anomaly in the Brainstem of a Single Patient: Case Report. <i>Neurosurgery</i> , 2001, 49, 1246-1250.	0.6	37
9	A Metabolic Inhibitory Cocktail for Grave Cancers: Metformin, Pioglitazone and Lithium Combination in Treatment of Pancreatic Cancer and Glioblastoma Multiforme. <i>Biochemical Genetics</i> , 2016, 54, 573-618.	0.8	37
10	Thymoquinone: An edible redox-active quinone for the pharmacotherapy of neurodegenerative conditions and glial brain tumors. A short review. <i>Biomedicine and Pharmacotherapy</i> , 2016, 83, 635-640.	2.5	36
11	Effect of surgery on tumor progression and malignant degeneration in hemispheric diffuse low-grade astrocytomas. <i>Journal of Clinical Neuroscience</i> , 2002, 9, 549-552.	0.8	35
12	Noscapine, a Non-addictive Opioid and Microtubule-Inhibitor in Potential Treatment of Glioblastoma. <i>Neurochemical Research</i> , 2019, 44, 1796-1806.	1.6	34
13	Color Illustrations and Neurosurgical Techniques of Âžerefeddin SabuncuoĂŸlu in the 15th Century. <i>Neurosurgery</i> , 2000, 47, 951-955.	0.6	32
14	Utility of transcranial Doppler ultrasonography in the diagnosis and follow-up of tuberculous meningitis-related vasculopathy. <i>Child's Nervous System</i> , 2002, 18, 142-146.	0.6	31
15	Transsphenoidal (Large Craniopharyngeal) Canal Associated with a Normally Functioning Pituitary Gland and Nasopharyngeal Extension, Hyperprolactinemia, and Hypothalamic Hamartoma. <i>American Journal of Roentgenology</i> , 2003, 180, 76-77.	1.0	31
16	Chiari Malformation Type III and Results of Surgery: A Clinical Study. <i>Pediatric Neurosurgery</i> , 2009, 45, 19-28.	0.4	30
17	Correlation of pulsatility index with intracranial pressure in traumatic brain injury. <i>Turkish Neurosurgery</i> , 2010, 21, 210-5.	0.1	30
18	Dysembryoplastic neuroepithelial tumor of the midbrain tectum: A case report. <i>Brain Tumor Pathology</i> , 2002, 19, 97-100.	1.1	28

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19	Tumor in Tumor: Metastasis of Breast Carcinoma to Intracranial Meningioma. <i>Tumori</i> , 2001, 87, 423-427.	0.6	27
20	Costs of disorders of the brain in Europe. <i>European Journal of Neurology</i> , 2007, 14, e9-e9.	1.7	27
21	Currarino Triad: Surgical Management and Follow-Up Results of Three Cases. <i>Pediatric Neurosurgery</i> , 2010, 46, 110-119.	0.4	26
22	Reoperation for Spinal Restenosis in Achondroplasia. <i>Journal of Spinal Disorders</i> , 2000, 13, 168-173.	1.1	25
23	Infratentorial lateral supracerebellar approach for trochlear nerve schwannoma. <i>Journal of Clinical Neuroscience</i> , 2002, 9, 595-598.	0.8	25
24	From epidemiology to treatment: Aspirin's prevention of brain and breast-cancer and cardioprotection may associate with its metabolite gentisic acid. <i>Chemico-Biological Interactions</i> , 2018, 291, 29-39.	1.7	25
25	Neuroprotective effects of mitoquinone and oleandrin on Parkinson's disease model in zebrafish. <i>International Journal of Neuroscience</i> , 2020, 130, 574-582.	0.8	25
26	Caprylic acid ameliorates rotenone induced inflammation and oxidative stress in the gut-brain axis in Zebrafish. <i>Molecular Biology Reports</i> , 2021, 48, 5259-5273.	1.0	25
27	Diastematomyelia and spinal teratoma in an adult. <i>Neurosurgical Focus</i> , 2001, 10, 1-4.	1.0	24
28	The effect of polymorphisms in the promoter region of the MMP-1 gene on the occurrence and invasiveness of hypophyseal adenoma. <i>Acta Neurochirurgica</i> , 2010, 152, 1611-1617.	0.9	24
29	Long-term results and complications of the syringopleural shunting for treatment of syringomyelia: a clinical study. <i>British Journal of Neurosurgery</i> , 2013, 27, 91-99.	0.4	24
30	Targeting the cellular schizophrenia. Likely employment of the antipsychotic agent pimozide in treatment of refractory cancers and glioblastoma. <i>Critical Reviews in Oncology/Hematology</i> , 2018, 128, 96-109.	2.0	24
31	PPAR γ and its ligand erucic acid may act anti-tumoral, neuroprotective, and myelin protective in neuroblastoma, glioblastoma, and Parkinson's disease. <i>Molecular Aspects of Medicine</i> , 2021, 78, 100871.	2.7	24
32	Intracranial sewing needle in a man with seizure: A case of child abuse?. <i>Forensic Science International</i> , 2007, 168, 212-214.	1.3	23
33	Microsurgical fenestration and cystoperitoneal shunt through preauricular subtemporal keyhole craniotomy for the treatment of symptomatic middle fossa arachnoid cysts in children. <i>Child's Nervous System</i> , 2015, 31, 87-93.	0.6	23
34	Immunohistochemical expression of SPARC is correlated with recurrence, survival and malignant potential in meningiomas. <i>Apmis</i> , 2009, 117, 651-659.	0.9	22
35	Hemoglobins, Hemorphins, and 11p15.5 Chromosomal Region in Cancer Biology and Immunity with Special Emphasis for Brain Tumors. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2016, 77, 247-257.	0.4	22
36	Reproductive epidemiology of glial tumors may reveal novel treatments: high-dose progestins or progesterone antagonists as endocrino-immune modifiers against glioma. <i>Neurosurgical Review</i> , 2019, 42, 351-369.	1.2	22

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37	Nocardial Cerebral Abscess Associated with Mycetoma, Pneumonia, and Membranoproliferative Glomerulonephritis. <i>Journal of Clinical Microbiology</i> , 2007, 45, 2072-2074.	1.8	21
38	Relation of apparent diffusion coefficient with Ki-67 proliferation index in meningiomas. <i>British Journal of Radiology</i> , 2016, 89, 20140842.	1.0	21
39	Microsurgical and histomorphometric study of the occipital sinus: Quantitative measurements using a novel approach of stereology. <i>Clinical Anatomy</i> , 2010, 23, 386-393.	1.5	20
40	Long non-coding RNA MALAT1 as a key target in pathogenesis of glioblastoma. Janus faces or Achillesâ€™ heel?. <i>Gene</i> , 2020, 739, 144518.	1.0	20
41	Noninvasive estimation of cerebral perfusion pressure with transcranial Doppler ultrasonography in traumatic brain injury. <i>Turkish Neurosurgery</i> , 2011, 22, 411-5.	0.1	20
42	Treatment of the subarachnoidâ€™pleural fistula. <i>Neurosurgical Focus</i> , 2000, 9, 1-4.	1.0	19
43	Giant pericallosal artery aneurysm: case report and review of the literature. <i>Neurosurgical Review</i> , 2001, 24, 151-155.	1.2	19
44	Successful surgical treatment of a hemophiliac infant with nontraumatic acute subdural hematoma. <i>World Neurosurgery</i> , 2007, 68, 537-540.	1.3	19
45	Neuroprotective and tumoricidal activities of cardiac glycosides. Could oleandrin be a new weapon against stroke and glioblastoma?. <i>International Journal of Neuroscience</i> , 2018, 128, 865-877.	0.8	19
46	Pediatric Intramedullary Teratomas. <i>Neuropediatrics</i> , 2008, 39, 196-199.	0.3	18
47	Targeting nitric oxide and NMDA receptor-associated pathways in treatment of high grade glial tumors. Hypotheses for nitro-memantine and nitrones. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 79, 68-83.	1.2	18
48	Vinorelbineâ€™s anti-tumor actions may depend on the mitotic apoptosis, autophagy and inflammation: hypotheses with implications for chemo-immunotherapy of advanced cancers and pediatric gliomas. <i>Journal of Chemotherapy</i> , 2018, 30, 203-212.	0.7	18
49	Solid-calcified colloid cyst of the third ventricle. <i>Clinical Neurology and Neurosurgery</i> , 2001, 103, 51-55.	0.6	17
50	Value of Transcranial Doppler Ultrasonography in the Diagnosis and Follow-up of Carotid-Cavernous Fistulae. <i>Acta Neurochirurgica</i> , 2001, 143, 1257-1265.	0.9	17
51	From epidemiology and neurometabolism to treatment: Vitamin D in pathogenesis of glioblastoma Multiforme (GBM) and a proposal for Vitamin Dâ€™+â€™all-trans retinoic acid + Temozolomide combination in treatment of GBM. <i>Metabolic Brain Disease</i> , 2019, 34, 687-704.	1.4	16
52	Erucic acid, a component of Lorenzo's oil and PPAR-Î’ ligand modifies C6 glioma growth and toxicity of doxorubicin. Experimental data and a comprehensive literature analysis. <i>Chemico-Biological Interactions</i> , 2018, 294, 107-117.	1.7	14
53	Diagnosis and management of pituitary abscess: a case series and review of the literature. <i>Turkish Neurosurgery</i> , 2013, 23, 611-6.	0.1	14
54	The Nature and Fate of Punctate (Type IV) Cavernous Malformations. <i>Neurosurgery</i> , 2001, 49, 26-32.	0.6	12

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55	The Nature and Fate of Punctate (Type IV) Cavernous Malformations. <i>Neurosurgery</i> , 2001, 49, 26-32.	0.6	12
56	Microsurgical management of non-neurofibromatosis spinal schwannoma. <i>Neurocirugia</i> , 2013, 24, 244-249.	0.2	12
57	Rabies virus vaccine as an immune adjuvant against cancers and glioblastoma: new studies may resurrect a neglected potential. <i>Clinical and Translational Oncology</i> , 2017, 19, 785-792.	1.2	12
58	The surgical treatment of plagiocephaly. <i>Turkish Neurosurgery</i> , 2011, 21, 304-14.	0.1	12
59	Totally thrombosed giant P2 aneurysm: a case report and review of literature. <i>Journal of Clinical Neuroscience</i> , 2003, 10, 115-120.	0.8	10
60	A pioneering female neurosurgeon: Dr. Aysima AltÄ±nok. <i>Acta Neurochirurgica</i> , 2007, 149, 943-948.	0.9	10
61	<i>MGMT</i> gene variants, temozolomide myelotoxicity and glioma risk. A concise literature survey including an illustrative case. <i>Journal of Chemotherapy</i> , 2017, 29, 238-244.	0.7	10
62	From epidemiology and neurodevelopment to antineoplasticity. Medroxyprogesterone reduces human glial tumor growth in vitro and C6 glioma in rat brain in vivo. <i>Clinical Neurology and Neurosurgery</i> , 2018, 173, 20-30.	0.6	10
63	Boron-10's neurophysiological effects and tumoricidal activity on glioblastoma cells with implications for clinical treatment. <i>International Journal of Neuroscience</i> , 2019, 129, 963-977.	0.8	10
64	Progesterone at high doses reduces the growth of U87 and A172 glioblastoma cells: Proteomic changes regarding metabolism and immunity. <i>Cancer Medicine</i> , 2020, 9, 5767-5780.	1.3	10
65	Treatment Strategies for Dopamine Agonist-Resistant and Aggressive Prolactinomas: A Comprehensive Analysis of the Literature. <i>Hormone and Metabolic Research</i> , 2021, 53, 413-424.	0.7	10
66	Intracranial Retained Stone After Depressed Skull Fracture. <i>American Journal of Forensic Medicine and Pathology</i> , 2009, 30, 198-200.	0.4	9
67	Immune Pathobiology of Schwannomas: A Concise Review. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2018, 79, 159-162.	0.4	9
68	A new entity: chiari zero malformation, and its surgical method. <i>Turkish Neurosurgery</i> , 2009, 21, 264-8.	0.1	9
69	Relationship of intraoperative ultrasound characteristics with pathological grades and Ki-67 proliferation index in intracranial gliomas. <i>Journal of Medical Ultrasonics (2001)</i> , 2015, 42, 231-237.	0.6	8
70	Intracranial cholesteatoma – case report and critical review. , 2009, 28, 440-444.		8
71	Gliosarcoma Associated with Neurofibromatosis Type I: A Case Report. <i>Tumori</i> , 2001, 87, 60-63.	0.6	7
72	Whorling-sclerosing meningioma. A review on the histological features of a rare tumor including an illustrative case. <i>Clinical Neurology and Neurosurgery</i> , 2017, 162, 85-90.	0.6	7

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73	Methenamine's journey of 160 years: Repurposal of an old urinary antiseptic for treatment and hypoxic radiosensitization of cancers and glioblastoma. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2019, 46, 407-412.	0.9	7
74	Is the presence of a linear fracture a predictor of delayed posterior fossa epidural hematoma?. <i>Ulusal Travma Ve Acil Cerrahi Dergisi</i> , 2016, 22, 355-60.	0.1	7
75	Multimodal intraoperative neurophysiologic monitoring in the spinal cord surgery. <i>Turkish Neurosurgery</i> , 2015, 27, 436-440.	0.1	7
76	Paradoxical results obtained with Ki67-labeling and PHH3-mitosis index in glial tumors: a literature analysis. , 2017, 36, 272-282.		6
77	Pioneering Turkish neurosurgeon Hami Dilek and the traces of Harvey Cushing's legacy in his work. <i>Journal of Neurosurgery</i> , 2008, 108, 821-829.	0.9	5
78	Angiotensin-converting enzyme insertion/deletion gene polymorphism in patients with familial multiple cerebral cavernous malformations. <i>Journal of Clinical Neuroscience</i> , 2010, 17, 1034-1037.	0.8	5
79	Correlation between SPARC (Osteonectin) expression with immunophenotypical and invasion characteristics of pituitary adenomas. <i>Apmis</i> , 2015, 123, 199-204.	0.9	5
80	Medroxyprogesterone effects on colony growth, autophagy and mitochondria of C6 glioma cells are augmented with tibolone and temozolomide. <i>Clinical Neurology and Neurosurgery</i> , 2019, 177, 77-85.	0.6	5
81	Hypothesis: Could Hepatitis B vaccine act as an immune adjuvant in glioblastoma? Clues to conduct further epidemiological analyses. <i>International Immunopharmacology</i> , 2020, 81, 106038.	1.7	5
82	Methylnitrosourea, dimethylbenzanthracene and benzoapyrene differentially affect redox pathways, apoptosis and immunity in zebrafish. <i>Human and Experimental Toxicology</i> , 2020, 39, 920-929.	1.1	5
83	The effects of quantum energy surgical device and of bipolar coagulation: a comparative experimental study. <i>Acta Neurochirurgica</i> , 2002, 144, 377-383.	0.9	4
84	Spinal arteriovenous malformation: use of intraoperative color Doppler ultrasonography guidance for surgical resection. Case report.. <i>Medical Ultrasonography</i> , 2014, 16, 386-8.	0.4	4
85	A Simple Technique for Bone Storage after Decompressive Craniectomy in Children. <i>Pediatric Neurosurgery</i> , 2015, 50, 161-164.	0.4	4
86	Could hepatitis B vaccine act as an adjuvant to lower risk and relapses of cancer?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2019, 46, 694-704.	0.9	4
87	Could isthmic approach to far lateral disc hernias cause instability?. <i>Clinical Biomechanics</i> , 2020, 76, 105004.	0.5	4
88	Neurosurgical and neuro-immunological management of IgG4-related hypertrophic sclerosing pachymeningitis. A literature survey and discussion of a unique index case. <i>Clinical Neurology and Neurosurgery</i> , 2021, 200, 106342.	0.6	4
89	Prepontine Chordoma Presenting with MRI Features of an Epidermoid Cyst: Case Presentation and a Mini-Review. <i>Current Medical Imaging</i> , 2017, 14, 147-150.	0.4	4
90	Desmoplastic infantile ganglioglioma: Report of an unusual case with a cranial defect. <i>Journal of Pediatric Neurosciences</i> , 2014, 9, 48.	0.2	4

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91	Multimodal intraoperative neurophysiologic monitoring in the neurosurgical oncology. Turkish Neurosurgery, 2017, 28, 204-210.	0.1	4
92	The role of a single nucleotide polymorphism of the matrix metalloproteinase-1 gene promoter region in invasion and prognosis of meningiomas. Turkish Neurosurgery, 2014, 24, 731-6.	0.1	4
93	Haemodynamic augmentation in the treatment of vasospasm in aneurysmal subarachnoid hemorrhage. Turkish Neurosurgery, 2011, 22, 435-40.	0.1	4
94	Perioperative Intracranial Hemorrhage in Achondroplasia. Journal of Neurosurgical Anesthesiology, 2000, 12, 217-220.	0.6	3
95	Focal megalencephaly: intraoperative ultrasound imaging in epilepsy surgery. Journal of Medical Ultrasonics (2001), 2015, 42, 127-131.	0.6	3
96	Giving another chance to mifepristone in pharmacotherapy for aggressive meningiomasâ€”A likely synergism with hydroxyurea?. Current Problems in Cancer, 2016, 40, 229-243.	1.0	3
97	Evaluation of association between matrix metalloproteinase 11 and intervertebral disc disease. Turkish Neurosurgery, 2015, 26, 274-9.	0.1	3
98	Management of failed cranioplasty. Turkish Neurosurgery, 2015, 27, 201-207.	0.1	3
99	Impact of 1p/19q codeletion on the diagnosis and prognosis of different grades of meningioma. British Journal of Neurosurgery, 2016, 30, 571-576.	0.4	2
100	Recrudescence of herpes virus infections following resection of schwannomas. An antiviral role of merlin?. Medical Hypotheses, 2017, 102, 128-129.	0.8	2
101	Travmatik Beyin HasarÄ±nda Dekompresif Kraniektomi: Transkraniyal Doppler Ultrasonografi yol gÄ¶sterici olabilir mi?. Ulusal Travma Ve Acil Cerrahi Dergisi, 2020, 26, 418-424.	0.1	2
102	The Impact of German-Speaking Academicians on Higher Education in Turkey. World Neurosurgery, 2013, 79, 25-31.	0.7	1
103	Ä°ntraoperatif NÄ¶romonitÄ¶rleme ile Spinal TÄ¶4mÄ¶r Cerrahisinde Yeni Defisit GeliÄ¶iminin Ä–nlenmesi. Turk Noroloji Dergisi = Turkish Journal of Neurology, 2014, 20, 47-50.	0.1	1
104	Benign leiomyoma with multiple metastases to vertebrae and calvarium: An index case with comprehensive review of endocrine targets. Neurosurgical Review, 2021, 44, 289-300.	1.2	1
105	A pediatric cerebral tumor with MN1 alteration and pathological features mimicking carcinoma metastasis: may the terminology â€œhigh grade neuroepithelial tumor with MN1 alterationâ€ still be relevant?. Child's Nervous System, 2021, 37, 2967-2974.	0.6	1
106	A new molecule in aneurysmal subarachnoid hemorrhage: dendroaspis natriuretic peptide. Turkish Neurosurgery, 2014, 24, 38-43.	0.1	1
107	Precursor B-lymphoblastic lymphoma mimicking: An acute subdural hematoma. Acta Haematologica Polonica, 2016, 47, 258-262.	0.1	0
108	Gemcitabine, vinorelbine and cyclooxygenase inhibitors in the treatment of glioblastoma. Ultrastructural analyses in C6 glioma in vitro. Tissue and Cell, 2019, 59, 18-32.	1.0	0

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109	Shall elective neurosurgical patients be postponed during a pandemic? Lessons from the peak period of COVID-19 pandemic. <i>Journal of Neurosurgical Sciences</i> , 2021, 65, 460-461.	0.3	0
110	Microsurgical treatment of unruptured intracranial aneurysms. <i>Acta Neurochirurgica Supplementum</i> , 2008, , 341-342.	0.5	0
111	Relationship between the development of vasospasm after aneurysmal subarachnoid haemorrhage and the levels of dendroaspis natriuretic peptide in body fluids. <i>Acta Neurochirurgica Supplementum</i> , 2008, , 371-372.	0.5	0
112	Investigation of ace genome insertion/deletion correlation with immunohistochemical profile in pituitary adenomas. <i>Turkish Neurosurgery</i> , 2012, 23, 464-9.	0.1	0
113	MGMT in glial carcinogenesis. Roles from prevention to treatment. <i>European Journal of Cancer Prevention</i> , 0, Publish Ahead of Print, .	0.6	0