

Ricardo J Komotar

List of Publications by Year in descending order

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72
papers

4,670
citations

94433

37
h-index

98798

67
g-index

72
all docs

72
docs citations

72
times ranked

5556
citing authors

#	ARTICLE	IF	CITATIONS
1	Near real-time intraoperative brain tumor diagnosis using stimulated Raman histology and deep neural networks. <i>Nature Medicine</i> , 2020, 26, 52-58.	30.7	413
2	Endoscopic Endonasal Compared with Microscopic Transsphenoidal and Open Transcranial Resection of Craniopharyngiomas. <i>World Neurosurgery</i> , 2012, 77, 329-341.	1.3	217
3	Complement Component C3 Mediates Inflammatory Injury Following Focal Cerebral Ischemia. <i>Circulation Research</i> , 2006, 99, 209-217.	4.5	196
4	Endoscopic endonasal compared with microscopic transsphenoidal and open transcranial resection of giant pituitary adenomas. <i>Pituitary</i> , 2012, 15, 150-159.	2.9	196
5	Endoscopic Endonasal versus Open Transcranial Resection of Anterior Midline Skull Base Meningiomas. <i>World Neurosurgery</i> , 2012, 77, 713-724.	1.3	195
6	GUIDELINES FOR THE SURGICAL TREATMENT OF UNRUPTURED INTRACRANIAL ANEURYSMS. <i>Neurosurgery</i> , 2008, 62, 183-194.	1.1	182
7	Pilocytic and Pilomyxoid Hypothalamic/Chiasmatic Astrocytomas. <i>Neurosurgery</i> , 2004, 54, 72-80.	1.1	170
8	Impact of a Protocol for Acute Antifibrinolytic Therapy on Aneurysm Rebleeding After Subarachnoid Hemorrhage. <i>Stroke</i> , 2008, 39, 2617-2621.	2.0	162
9	The role of radiotherapy following gross-total resection of atypical meningiomas. <i>Journal of Neurosurgery</i> , 2012, 117, 679-686.	1.6	160
10	Preoperative Prediction of Long-term Outcome in Poor-grade Aneurysmal Subarachnoid Hemorrhage. <i>Neurosurgery</i> , 2006, 59, 529-538.	1.1	155
11	RESUSCITATION AND CRITICAL CARE OF POOR-GRADE SUBARACHNOID HEMORRHAGE. <i>Neurosurgery</i> , 2009, 64, 397-411.	1.1	142
12	The role of Gliadel wafers in the treatment of high-grade gliomas. <i>Expert Review of Anticancer Therapy</i> , 2013, 13, 1453-1461.	2.4	140
13	A mouse model of intracerebral hemorrhage using autologous blood infusion. <i>Nature Protocols</i> , 2008, 3, 122-128.	12.0	133
14	Clinical features, surgical treatment, and long-term outcome in adult patients with moyamoya disease. <i>Journal of Neurosurgery</i> , 2009, 111, 936-942.	1.6	117
15	Awake Craniotomy for Brain Tumor Resection. <i>Journal of Neurosurgical Anesthesiology</i> , 2013, 25, 240-247.	1.2	116
16	Endoscopic Endonasal versus Open Repair of Anterior Skull Base CSF Leak, Meningocele, and Encephalocele: A Systematic Review of Outcomes. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2013, 74, 239-250.	0.8	110
17	The Endoscope-Assisted Ventral Approach Compared with Open Microscope-Assisted Surgery for Clival Chordomas. <i>World Neurosurgery</i> , 2011, 76, 318-327.	1.3	93
18	Surgical management of cervical myelopathy: indications and techniques for laminectomy and fusion. <i>Spine Journal</i> , 2006, 6, S252-S267.	1.3	79

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19	C3a Receptor Modulation of Granulocyte Infiltration after Murine Focal Cerebral Ischemia is Reperfusion Dependent. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 1048-1058.	4.3	77
20	Synergistic neuroprotective effects of C3a and C5a receptor blockade following intracerebral hemorrhage. <i>Brain Research</i> , 2009, 1298, 171-177.	2.2	75
21	C3a Receptor Antagonist Attenuates Brain Injury after Intracerebral Hemorrhage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 98-107.	4.3	73
22	Alterations in Plasma Complement Levels Following Human Ischemic Stroke. <i>Neurosurgery</i> , 2006, 59, 1-6.	1.1	70
23	Surgical management of craniopharyngiomas. <i>Journal of Neuro-Oncology</i> , 2009, 92, 283-296.	2.9	70
24	Efficacy of lamina terminalis fenestration in reducing shunt-dependent hydrocephalus following aneurysmal subarachnoid hemorrhage: a systematic review. <i>Journal of Neurosurgery</i> , 2009, 111, 147-154.	1.6	69
25	Letter: Academic Neurosurgery Department Response to COVID-19 Pandemic: The University of Miami/Jackson Memorial Hospital Model. <i>Neurosurgery</i> , 2020, 87, E63-E65.	1.1	68
26	The Role of Adjuvant Radiotherapy After Gross Total Resection of Atypical Meningiomas. <i>World Neurosurgery</i> , 2015, 83, 808-815.	1.3	67
27	Prophylactic antiepileptic drug therapy in patients undergoing supratentorial meningioma resection: a systematic analysis of efficacy. <i>Journal of Neurosurgery</i> , 2011, 115, 483-490.	1.6	62
28	Pilomyxoid Astrocytoma of the Spinal Cord: Report of Three Cases. <i>Neurosurgery</i> , 2005, 56, E206-E210.	1.1	61
29	CONTROVERSIES IN THE SURGICAL TREATMENT OF RUPTURED INTRACRANIAL ANEURYSMS. <i>Neurosurgery</i> , 2008, 62, 396-407.	1.1	60
30	The role of indirect extracranial-intracranial bypass in the treatment of symptomatic intracranial atheroocclusive disease. <i>Journal of Neurosurgery</i> , 2009, 110, 896-904.	1.6	60
31	Optimal surgical treatment for moyamoya disease in adults: direct versus indirect bypass. <i>Neurosurgical Focus</i> , 2009, 26, E8.	2.3	59
32	Neurologic assessment of somatosensory dysfunction following an experimental rodent model of cerebral ischemia. <i>Nature Protocols</i> , 2007, 2, 2345-2347.	12.0	56
33	Monocyte chemoattractant protein-1 predicts outcome and vasospasm following aneurysmal subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2008, 109, 38-43.	1.6	54
34	PROTECTIVE EFFECT OF C5A RECEPTOR INHIBITION AFTER MURINE REPERFUSED STROKE. <i>Neurosurgery</i> , 2008, 63, 122-126.	1.1	52
35	Astrocytoma with pilomyxoid features presenting in an adult. <i>Neuropathology</i> , 2006, 26, 89-93.	1.2	45
36	Pilomyxoid astrocytoma: diagnosis, prognosis, and management. <i>Neurosurgical Focus</i> , 2005, 18, 1-4.	2.3	43

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37	THE IMPACT OF MICROSURGICAL FENESTRATION OF THE LAMINA TERMINALIS ON SHUNT-DEPENDENT HYDROCEPHALUS AND VASOSPASM AFTER ANEURYSMAL SUBARACHNOID HEMORRHAGE. <i>Neurosurgery</i> , 2008, 62, 123-134.	1.1	39
38	Targeting Glioblastoma Stem Cells with 2-Deoxy-D-Glucose (2-DG) Potentiates Radiation-Induced Unfolded Protein Response (UPR). <i>Cancers</i> , 2019, 11, 159.	3.7	39
39	Natural History of Intracranial Atherosclerosis: A Critical Review. <i>Neurosurgery</i> , 2006, 58, 595-601.	1.1	37
40	Approaches to anterior and anterolateral foramen magnum lesions: A critical review. <i>Journal of Craniovertebral Junction and Spine</i> , 2010, 1, 86.	0.8	36
41	CONTROVERSIES IN THE ENDOVASCULAR MANAGEMENT OF CEREBRAL VASOSPASM AFTER INTRACRANIAL ANEURYSM RUPTURE AND FUTURE DIRECTIONS FOR THERAPEUTIC APPROACHES. <i>Neurosurgery</i> , 2008, 62, 897-907.	1.1	33
42	Predicting long-term outcome in poor grade aneurysmal subarachnoid haemorrhage patients utilising the Glasgow Coma Scale. <i>Journal of Clinical Neuroscience</i> , 2009, 16, 26-31.	1.5	31
43	Magnetic resonance imaging characteristics of pilomyxoid astrocytoma. <i>Neurological Research</i> , 2008, 30, 945-951.	1.3	30
44	Evaluation of a revised Glasgow Coma Score scale in predicting long-term outcome of poor grade aneurysmal subarachnoid hemorrhage patients. <i>Journal of Clinical Neuroscience</i> , 2009, 16, 894-899.	1.5	27
45	ALTERATIONS IN PLASMA COMPLEMENT LEVELS FOLLOWING HUMAN ISCHEMIC STROKE. <i>Neurosurgery</i> , 2006, 59, 28-33.	1.1	25
46	Pupillary Reactivity Upon Hospital Admission Predicts Long-term Outcome in Poor Grade Aneurysmal Subarachnoid Hemorrhage Patients. <i>Neurocritical Care</i> , 2008, 8, 374-379.	2.4	24
47	A Review of Stereotactic Radiosurgery Practice in the Management of Skull Base Meningiomas. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2014, 75, 152-158.	0.8	21
48	Stimulated Raman Histology for Rapid Intraoperative Diagnosis of Gliomas. <i>World Neurosurgery</i> , 2021, 150, e135-e143.	1.3	21
49	Stereotactic catheter placement for Ommaya reservoirs. <i>Journal of Clinical Neuroscience</i> , 2016, 27, 44-47.	1.5	19
50	The role of complement in stroke therapy. <i>Advances in Experimental Medicine and Biology</i> , 2008, 632, 23-33.	1.6	18
51	Microsurgical fenestration of the lamina terminalis reduces the incidence of shunt-dependent hydrocephalus after aneurysmal subarachnoid hemorrhage. <i>Neurosurgery</i> , 2002, 51, 1403-12; discussion 1412-3.	1.1	17
52	Pitfalls for the Pediatrician: Positional Molding or Craniosynostosis?. <i>Pediatric Annals</i> , 2006, 35, 365-375.	0.8	16
53	Pilomyxoid astrocytoma: a review. <i>MedGenMed: Medscape General Medicine</i> , 2004, 6, 42.	0.2	16
54	Brain Magnetic Resonance Imaging Scans for Asymptomatic Patients: Role in Medical Screening. <i>Mayo Clinic Proceedings</i> , 2008, 83, 563-565.	3.0	13

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55	The Complement Cascade: New Avenues in Stroke Therapy. <i>Current Vascular Pharmacology</i> , 2009, 7, 287-292.	1.7	13
56	The Role of Complement in Stroke Therapy. <i>Advances in Experimental Medicine and Biology</i> , 2008, , 22-32.	1.6	12
57	Brain Magnetic Resonance Imaging Scans for Asymptomatic Patients: Role in Medical Screening. <i>Mayo Clinic Proceedings</i> , 2008, 83, 563-565.	3.0	11
58	Current endovascular treatment options for intracranial carotid artery atherosclerosis. <i>Neurosurgical Focus</i> , 2005, 18, e5.	2.3	10
59	"Epilepsy surgery" versus lesionectomy in patients with seizures secondary to cavernous malformations. <i>Clinical Neurosurgery</i> , 2008, 55, 101-7.	0.2	10
60	The Modified Pterional Keyhole Craniotomy for Open Cerebrovascular Surgery: A New Workhorse?. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2013, 74, 400-404.	0.8	9
61	Who Needs Sleep? An Analysis of Patient Tolerance in Awake Craniotomy. <i>World Neurosurgery</i> , 2018, 118, e842-e848.	1.3	9
62	Rapid Intraoperative Diagnosis of Meningiomas using Stimulated Raman Histology. <i>World Neurosurgery</i> , 2021, 150, e108-e116.	1.3	9
63	Endonasal endoscopic versus transoral microscopic odontoid resection. <i>Innovative Neurosurgery</i> , 2013, 1, 37-47.	0.1	8
64	Recognizing and Correcting Failures in Glioblastoma Treatment. <i>Cancer Investigation</i> , 2014, 32, 299-302.	1.3	5
65	Co-registration of radiographic and pathologic infarct territory in a non-human primate model of stroke. <i>Neurological Research</i> , 2005, 27, 634-637.	1.3	4
66	Role of Fever in Ventriculoperitoneal Shunt Placement After Aneurysmal Subarachnoid Hemorrhage. <i>Neurosurgery</i> , 2012, 70, 1361-1368.	1.1	4
67	Long-term Follow-up of the International Subarachnoid-Hemorrhage Aneurysm Trial. <i>Neurosurgery</i> , 2015, 76, N17-N19.	1.1	3
68	Internet-based Neuro-oncology Patient Recruitment. <i>Neurosurgery</i> , 2006, 58, 985-989.	1.1	2
69	Intraoperative Stimulated Raman Histology for Anterior Skull Base Tumor Margins: Can We Improve Patient Survival and Time to Recurrence?. <i>World Neurosurgery</i> , 2021, 149, 265-266.	1.3	1
70	The natural history of intracranial carotid artery atherosclerosis. <i>Neurosurgical Focus</i> , 2005, 18, e4.	2.3	1
71	Neoplasms of the Cranial Nerves. , 2016, , 503-517.		0
72	Commentary: Gross Total Resection of a Grade IV Astrocytoma Adjacent to the Precentral Gyrus With Nonawake Motor Mapping and Motor-Evoked Potential Monitoring: 3-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2020, 18, E129-E130.	0.8	0