

# Kaan Yagmurlu

## List of Publications by Year in descending order

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105  
papers

2,006  
citations

279701

23  
h-index

315616

38  
g-index

108  
all docs

108  
docs citations

108  
times ranked

2436  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial dysfunction in neurological disorders: Exploring mitochondrial transplantation. <i>Npj Regenerative Medicine</i> , 2020, 5, 22.	2.5	136
2	Fiber tracts of the dorsal language stream in the human brain. <i>Journal of Neurosurgery</i> , 2016, 124, 1396-1405.	0.9	114
3	Intraoperative Fluorescence Imaging for Personalized Brain Tumor Resection: Current State and Future Directions. <i>Frontiers in Surgery</i> , 2016, 3, 55.	0.6	109
4	Surgical approaches for brainstem tumors in pediatric patients. <i>Child's Nervous System</i> , 2015, 31, 1815-1840.	0.6	80
5	Three-Dimensional Microsurgical Anatomy and the Safe Entry Zones of the Brainstem. <i>Operative Neurosurgery</i> , 2014, 10, 602-620.	0.4	73
6	Microsurgical and Tractographic Anatomy of the Supplementary Motor Area Complex in Humans. <i>World Neurosurgery</i> , 2016, 95, 99-107.	0.7	69
7	A contemporary framework of language processing in the human brain in the context of preoperative and intraoperative language mapping. <i>Neuroradiology</i> , 2017, 59, 69-87.	1.1	61
8	Microsurgical anatomy of the central core of the brain. <i>Journal of Neurosurgery</i> , 2018, 129, 752-769.	0.9	61
9	Anatomy and approaches along the cerebellar-brainstem fissures. <i>Journal of Neurosurgery</i> , 2016, 124, 248-263.	0.9	53
10	Approach selection for intrinsic brainstem pathologies. <i>Journal of Neurosurgery</i> , 2016, 125, 1596-1607.	0.9	51
11	Microsurgical anatomy of the inferior limiting insular sulcus and the temporal stem. <i>Journal of Neurosurgery</i> , 2015, 122, 1263-1273.	0.9	49
12	Applications of Focused Ultrasound in Cerebrovascular Diseases and Brain Tumors. <i>Neurotherapeutics</i> , 2019, 16, 67-87.	2.1	40
13	Three-Dimensional Topographic Fiber Tract Anatomy of the Cerebrum. <i>Operative Neurosurgery</i> , 2015, 11, 274-305.	0.4	39
14	Low-flow and high-flow neurosurgical bypass and anastomosis training models using human and bovine placental vessels: a histological analysis and validation study. <i>Journal of Neurosurgery</i> , 2016, 125, 915-928.	0.9	37
15	Optical Characterization of Neurosurgical Operating Microscopes: Quantitative Fluorescence and Assessment of PpIX Photobleaching. <i>Scientific Reports</i> , 2018, 8, 12543.	1.6	37
16	Infraorbital nerve: a surgically relevant landmark for the pterygopalatine fossa, cavernous sinus, and anterolateral skull base in endoscopic transmaxillary approaches. <i>Journal of Neurosurgery</i> , 2016, 125, 1460-1468.	0.9	36
17	Laser application in neurosurgery. , 2017, 8, 274.		34
18	Laboratory Evaluation of a Robotic Operative Microscope - Visualization Platform for Neurosurgery. <i>Cureus</i> , 2018, 10, e3072.	0.2	32

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19	Systematic Review of Factors Influencing Surgical Performance: Practical Recommendations for Microsurgical Procedures in Neurosurgery. <i>World Neurosurgery</i> , 2018, 112, e182-e207.	0.7	31
20	Diagnostic Accuracy of a Confocal Laser Endomicroscope for InÂVivo Differentiation Between Normal Injured And Tumor Tissue During Fluorescein-Guided Glioma Resection: Laboratory Investigation. <i>World Neurosurgery</i> , 2018, 115, e337-e348.	0.7	30
21	The Role of microRNA Markers in the Diagnosis, Treatment, and Outcome Prediction of Spinal Cord Injury. <i>Frontiers in Surgery</i> , 2016, 3, 56.	0.6	29
22	Maxillary Artery to Middle Cerebral Artery Bypass: A Novel Technique for Exposure of the Maxillary Artery. <i>World Neurosurgery</i> , 2017, 100, 540-550.	0.7	29
23	Quantitative anatomical analysis and clinical experience with mini-pterional and mini-orbitozygomatic approaches for intracranial aneurysm surgery. <i>Journal of Neurosurgery</i> , 2017, 127, 646-659.	0.9	29
24	Microvascular anastomosis under 3D exoscope or endoscope magnification: A proof-of-concept study. , 2018, 9, 115.		29
25	Probe-based three-dimensional confocal laser endomicroscopy of brain tumors: technical note. <i>Cancer Management and Research</i> , 2018, Volume 10, 3109-3123.	0.9	27
26	Focused Ultrasound in Neuroscience. State of the Art and Future Perspectives. <i>Brain Sciences</i> , 2021, 11, 84.	1.1	27
27	Anterior interhemispheric transsplenic approach to pineal region tumors: anatomical study and illustrative case. <i>Journal of Neurosurgery</i> , 2018, 128, 182-192.	0.9	26
28	Management Strategy of a Transorbital Penetrating Pontine Injury by a Wooden Chopstick. <i>World Neurosurgery</i> , 2016, 95, 622.e7-622.e15.	0.7	24
29	Clinical utility of arterial spin labeling imaging in disorders of the nervous system. <i>Neurosurgical Focus</i> , 2019, 47, E5.	1.0	24
30	The Retrosigmoid Petrosal Fissure Transpeduncular Approach to Central Pontine Lesions. <i>World Neurosurgery</i> , 2016, 87, 235-241.	0.7	23
31	Arteriovenous malformation presenting with epilepsy: a multimodal approach to diagnosis and treatment. <i>Neurosurgical Focus</i> , 2020, 48, E17.	1.0	23
32	Application of Indocyanine Green Videoangiography in Aneurysm Surgery: Evidence, Techniques, Practical Tips. <i>Frontiers in Surgery</i> , 2019, 6, 34.	0.6	22
33	Combination hyperbaric oxygen and temozolomide therapy in c6 rat glioma model. <i>Acta Cirurgica Brasileira</i> , 2012, 27, 383-387.	0.3	21
34	Fiber Connections of the Supplementary Motor Area Revisited: Methodology of Fiber Dissection, DTI, and Three Dimensional Documentation. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	21
35	Microsurgical and Fiber Tract Anatomy of the Nucleus Accumbens. <i>Operative Neurosurgery</i> , 2016, 12, 269-288.	0.4	21
36	Microsurgical Anatomy of the White Matter Tracts in Hemispherotomy. <i>Operative Neurosurgery</i> , 2014, 10, 305-324.	0.4	20

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37	Endoscopic endonasal surgery outcomes for pediatric craniopharyngioma: a systematic review. <i>Neurosurgical Focus</i> , 2020, 48, E6.	1.0	20
38	The Caudate Nucleus: Its Connections, Surgical Implications, and Related Complications. <i>World Neurosurgery</i> , 2020, 139, e428-e438.	0.7	19
39	Techniques and outcomes of microsurgical management of ruptured and unruptured fusiform cerebral aneurysms. <i>Journal of Neurosurgery</i> , 2017, 127, 1353-1360.	0.9	17
40	The interpeduncular fossa approach for resection of ventromedial midbrain lesions. <i>Journal of Neurosurgery</i> , 2018, 128, 834-839.	0.9	17
41	Auditory Brainstem Implantation. <i>Operative Neurosurgery</i> , 2015, 11, 306-321.	0.4	15
42	Transcortical selective amygdalohippocampectomy technique through the middle temporal gyrus revisited: An anatomical study laboratory investigation. <i>Journal of Clinical Neuroscience</i> , 2016, 34, 237-245.	0.8	15
43	Endoscopically Assisted Targeted Keyhole Retrosigmoid Approaches for Microvascular Decompression: Quantitative Anatomic Study. <i>World Neurosurgery</i> , 2018, 119, e1-e15.	0.7	15
44	Largest neurosurgical social media group and its impact on communication and research. <i>British Journal of Neurosurgery</i> , 2022, 36, 58-62.	0.4	15
45	A subset of arachnoid granulations in humans drain to the venous circulation via intradural lymphatic vascular channels. <i>Journal of Neurosurgery</i> , 2022, 136, 917-926.	0.9	15
46	The superior fovea triangle approach: a novel safe entry zone to the brainstem. <i>Journal of Neurosurgery</i> , 2017, 127, 1134-1138.	0.9	14
47	Quantitative Anatomic Analysis of the Transcallosal-Transchoroidal Approach and the Transcallosal-Subchoroidal Approach to the Floor of the Third Ventricle: An Anatomic Study. <i>World Neurosurgery</i> , 2018, 118, 219-229.	0.7	13
48	Cortical Spreading Depression in the Setting of Traumatic Brain Injury. <i>World Neurosurgery</i> , 2020, 134, 50-57.	0.7	13
49	Low Retrosigmoid Infratonsillar Approach to Lateral Medullary Lesions. <i>World Neurosurgery</i> , 2018, 111, 311-316.	0.7	12
50	Anatomical Features of the Deep Cervical Lymphatic System and Intrajugular Lymphatic Vessels in Humans. <i>Brain Sciences</i> , 2020, 10, 953.	1.1	12
51	Quantitative anatomical comparison of the ipsilateral and contralateral interhemispheric transcallosal approaches to the lateral ventricle. <i>Journal of Neurosurgery</i> , 2018, 128, 1492-1502.	0.9	11
52	A technical guide for fiber tract dissection of the internal capsule. <i>Turkish Neurosurgery</i> , 2018, 28, 934-939.	0.1	11
53	An Alternative Endoscopic Anterolateral Route to Meckel's Cave: An Anatomic Feasibility Study Using a Sublabial Transmaxillary Approach. <i>World Neurosurgery</i> , 2018, 114, 134-141.	0.7	10
54	Anterior temporal artery to posterior cerebral artery bypass for revascularization of the posterior circulation: An anatomical study. <i>Journal of Clinical Neuroscience</i> , 2018, 47, 337-340.	0.8	10

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55	Contralateral anterior interhemispheric-transcallosal-transrostral approach to the subcallosal region: a novel surgical technique. <i>Journal of Neurosurgery</i> , 2018, 129, 508-514.	0.9	10
56	Three-dimensional printing and craniostylosis surgery. <i>Child's Nervous System</i> , 2021, 37, 2487-2495.	0.6	10
57	Multimodal Simulation of a Novel Device for a Safe and Effective External Ventricular Drain Placement. <i>Frontiers in Neuroscience</i> , 2021, 15, 690705.	1.4	10
58	Biomarkers Predictive of Long-Term Outcome After Ischemic Stroke: A Meta-Analysis. <i>World Neurosurgery</i> , 2022, 163, e1-e42.	0.7	10
59	Internal Carotid Artery Injury in Transsphenoidal Surgery: Tenets for Its Avoidance and Refitâ€™A Clinical Study. <i>Brain Sciences</i> , 2021, 11, 99.	1.1	9
60	Diagnostic, Surgical, and Technical Considerations for Lumbar Interbody Fusion in Patients with Osteopenia and Osteoporosis: A Systematic Review. <i>Brain Sciences</i> , 2021, 11, 241.	1.1	9
61	The role of hemostatic devices in neurosurgery. A systematic review. <i>Journal of Clinical Neuroscience</i> , 2021, 89, 151-157.	0.8	8
62	Three-Dimensional Quantitative Analysis of the Brainstem Safe Entry Zones Based on Internal Structures. <i>World Neurosurgery</i> , 2022, 158, e64-e74.	0.7	7
63	Common Challenges and Solutions Associated with the Preparation of Silicone-Injected Human Head and Neck Vessels for Anatomical Study. <i>Brain Sciences</i> , 2021, 11, 32.	1.1	7
64	Carotid Endarterectomy Surgical Simulation Model Using a Bovine Placenta Vessel. <i>Neurosurgery</i> , 2015, 77, 825-830.	0.6	6
65	Hemorrhage Risk of Untreated Isolated Cerebral Cavernous Malformations. <i>World Neurosurgery</i> , 2019, 131, e557-e561.	0.7	6
66	Transsphenoidal surgery using robotics to approach the sella turcica: Integrative use of artificial intelligence, realistic motion tracking and telesurgery. <i>Clinical Neurology and Neurosurgery</i> , 2020, 197, 106152.	0.6	6
67	Pituitary Tumors in the Computational Era, Exploring Novel Approaches to Diagnosis, and Outcome Prediction with Machine Learning. <i>World Neurosurgery</i> , 2021, 146, 315-321.e1.	0.7	6
68	Endoscopic Bilateral Optic Nerve Decompression for Treatment of Idiopathic Intracranial Hypertension. <i>Brain Sciences</i> , 2021, 11, 324.	1.1	6
69	Repair of V2 Vertebral Artery Injuries Sustained During Anterior Cervical Discectomy. <i>World Neurosurgery</i> , 2017, 105, 796-804.	0.7	5
70	From Bench to Bedside, the Current State of Oncolytic Virotherapy in Pediatric Glioma. <i>Neurosurgery</i> , 2020, 87, 1091-1097.	0.6	5
71	Monsters and the case of L. Joseph: AndrĂ© Feil's thesis on the origin of the Klippel-Feil syndrome and a social transformation of medicine. <i>Neurosurgical Focus</i> , 2016, 41, E3.	1.0	4
72	Quantitative Comparison of Three Endoscopic Approaches to the Parasellar Region: Laboratory Investigation. <i>World Neurosurgery</i> , 2017, 108, 383-392.	0.7	4

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73	Keyhole Contralateral Interhemispheric Endoscopic-Assisted Resection of an Ependymoma of the Third Ventricle. <i>Operative Neurosurgery</i> , 2018, 14, 203-203.	0.4	4
74	Systematic Review of Functional Mapping and Cortical Reorganization in the Setting of Arteriovenous Malformations, Redefining Anatomical Eloquence. <i>Frontiers in Surgery</i> , 2020, 7, 514247.	0.6	4
75	Perforating Arteries of the Lemniscal Trigone: A Microsurgical Neuroanatomic Description. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 675313.	0.9	4
76	Oncolytic Virotherapy for Melanoma Brain Metastases, a Potential New Treatment Paradigm?. <i>Brain Sciences</i> , 2021, 11, 1260.	1.1	4
77	The Anterolateral Limit of the Occipital Lobe: An Anatomical and Imaging Study. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2016, 77, 491-498.	0.4	3
78	Transsylvian, Transanterior Sulcus Approach to Basal Ganglia Cavernous Malformations. <i>Operative Neurosurgery</i> , 2017, 13, 756-756.	0.4	3
79	Surgical outcomes of neurogenic thoracic outlet syndrome based on electrodiagnostic tests and QuickDASH scores. <i>Journal of Clinical Neuroscience</i> , 2018, 58, 75-78.	0.8	3
80	Enhanced recovery after surgery in intramedullary and extramedullary spinal cord lesions: perioperative considerations and recommendations. <i>Spinal Cord</i> , 2019, 57, 729-738.	0.9	3
81	Orbitofrontal extensions of the insular glioma based on subdivision of the uncinata fasciculus. <i>Journal of Clinical Neuroscience</i> , 2020, 78, 376-386.	0.8	3
82	Interplay between vascular hemodynamics and the glymphatic system in the pathogenesis of idiopathic normal pressure hydrocephalus, exploring novel neuroimaging diagnostics. <i>Neurosurgical Review</i> , 2022, 45, 1255-1261.	1.2	3
83	Normal relationship of the cervicomedullary junction with the obex and olivary bodies: a comparison of cadaveric dissection and in vivo diffusion tensor imaging. <i>Surgical and Radiologic Anatomy</i> , 2015, 37, 493-497.	0.6	2
84	Deletion of 6p25.3 Is Associated with Cerebrovascular Dolichoectasia: Report of 2 Cases. <i>Pediatric Neurosurgery</i> , 2019, 54, 196-200.	0.4	2
85	Suboccipital Craniotomy for Resection of a Dorsal Medullary Cerebral Cavernous Malformation: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2019, 17, E11-E11.	0.4	2
86	Keyhole Retrosigmoid Craniotomy for Resection of Pontine Juvenile Pilocytic Astrocytoma: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2020, 18, E16-E16.	0.4	2
87	Endovascular Approach to Cerebral Revascularization: Historical Vignette. <i>World Neurosurgery</i> , 2020, 136, 258-262.	0.7	2
88	Microsurgical approaches to the cerebellar interpeduncular region: qualitative and quantitative analysis. <i>Journal of Neurosurgery</i> , 2022, 136, 1410-1423.	0.9	2
89	In Reply to "Internal Maxillary Artery Bypass Feasible without Zygomatic Osteotomy?" <i>World Neurosurgery</i> , 2017, 104, 1005.	0.7	1
90	A morphometric and analytical cadaver dissection study of a tumor-simulation balloon model. <i>Journal of Clinical Neuroscience</i> , 2018, 49, 76-82.	0.8	1

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91	Keyhole, Trans-Sylvian, Trans-Sulcal Resection of an Insular Cerebral Cavernous Malformation: 2-Dimensional Operative Video. Operative Neurosurgery, 2019, 17, E18-E18.	0.4	1
92	Microsurgical Management of the Middle Cerebral Artery Bifurcation Aneurysms: An Anatomic Feasibility Study. Orł, 2021, 83, 187-195.	0.6	1
93	Importance of Different Characteristic of the Corticospinal Tract Based on DTI and Cadaveric Microdissection. Journal of Basic and Clinical Health Sciences, 2021, 5, 65-72.	0.2	1
94	Vagus Nerve Injury During Carotid Endarterectomy: A Cadaveric Study. Medical Journal of Bakirkoy, 2020, , .	0.0	1
95	The suboccipital, telovelar, transsuperior fovea approach to dorsal pontine lesions. Neurosurgical Focus Video, 2019, 1, V19.	0.1	1
96	The lateral supracerebellar infratentorial, translateral mesencephalic sulcus approach to the mesencephalopontine junction. Neurosurgical Focus Video, 2019, 1, V14.	0.1	1
97	Frontal Lobe Association Pathways: Cadaveric Study. Turkiye Klinikleri Journal of Medical Sciences, 2020, 40, 236-241.	0.1	1
98	Chen Jingrun, China's famous mathematician: devastated by brain injuries on the doorstep to solving a fundamental mathematical puzzle. Neurosurgical Focus, 2016, 41, E11.	1.0	0
99	Commentary: Fiber Microdissection Technique for Demonstrating the Deep Cerebellar Nuclei and Cerebellar Peduncles. Operative Neurosurgery, 2021, 20, E245-E246.	0.4	0
100	The Interpeduncular Fossa Approach for Resection of Centromedian Midbrain Lesions. Journal of Neurological Surgery, Part B: Skull Base, 2017, 78, S1-S156.	0.4	0
101	The Superior Fovea Triangle Approach for Dorsal Pontine Lesions at the Level of the Facial Colliculus. Journal of Neurological Surgery, Part B: Skull Base, 2017, 78, S1-S156.	0.4	0
102	Intra-Arterial Transplantation of Mitochondria after Ischemic Stroke Reduces Cerebral Infarction. SSRN Electronic Journal, 0, , .	0.4	0
103	Anatomy of the Brainstem. , 2020, , 41-60.		0
104	Microsurgical and Functional Linguistic Anatomy of Cerebral Basal Ganglia. Å°stanbul Medical Journal;, 2020, 21, 451-456.	0.1	0
105	Editorial: Neurosurgery and Neuroanatomy. Brain Sciences, 2022, 12, 341.	1.1	0