

# Luigi Maria Cavallo

## List of Publications by Year in descending order

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88  
papers

4,461  
citations

117625

34  
h-index

106344

65  
g-index

92  
all docs

92  
docs citations

92  
times ranked

2622  
citing authors

#	ARTICLE	IF	CITATIONS
1	Endoscopic endonasal approach for infradiaphragmatic craniopharyngiomas: a multicentric Italian study. <i>Journal of Neurosurgery</i> , 2023, 138, 522-532.	1.6	8
2	Primary ectopic orbital craniopharyngioma. <i>Acta Neurochirurgica</i> , 2022, 164, 1979-1984.	1.7	5
3	“Sagittal Crest” Definition, Stepwise Dissection, and Clinical Implications From a Transorbital Perspective. <i>Operative Neurosurgery</i> , 2022, 22, e206-e212.	0.8	19
4	Midline Skull Base Meningiomas: Transcranial and Endonasal Perspectives. <i>Cancers</i> , 2022, 14, 2878.	3.7	7
5	Aggressive pituitary neuroendocrine tumors: current practices, controversies, and perspectives, on behalf of the EANS skull base section. <i>Acta Neurochirurgica</i> , 2021, 163, 3131-3142.	1.7	9
6	Role of Anterior Nasal Packing in Endoscopic Skull Base Surgery: Italian Survey. <i>World Neurosurgery</i> , 2021, 154, e406-e415.	1.3	3
7	Prediction of pituitary adenoma surgical consistency: radiomic data mining and machine learning on T2-weighted MRI. <i>Neuroradiology</i> , 2020, 62, 1649-1656.	2.2	41
8	Endoscopic endonasal and transorbital routes to the petrous apex: anatomic comparative study of two pathways. <i>Acta Neurochirurgica</i> , 2020, 162, 2097-2109.	1.7	24
9	Multicenter external validation of the Zurich Pituitary Score. <i>Acta Neurochirurgica</i> , 2020, 162, 1287-1295.	1.7	9
10	Early vascular modifications after endoscopic endonasal pituitary surgery: The role of OCT-angiography. <i>PLoS ONE</i> , 2020, 15, e0241295.	2.5	15
11	Pituitary magnetic resonance imaging vs. bilateral inferior petrosal sinus sampling: comparison between non-invasive and invasive diagnostic techniques for Cushing’s disease—a narrative review. <i>Gland Surgery</i> , 2020, 9, 2260-2268.	1.1	10
12	Anterior cervical osteophytes causing dysphagia: Choice of the approach and surgical problems. <i>Journal of Craniovertebral Junction and Spine</i> , 2020, 11, 300.	0.8	6
13	Prediction of high proliferative index in pituitary macroadenomas using MRI-based radiomics and machine learning. <i>Neuroradiology</i> , 2019, 61, 1365-1373.	2.2	64
14	Ommaya Reservoir System for the Treatment of Cystic Craniopharyngiomas: Surgical Results in a Series of 11 Adult Patients and Review of the Literature. <i>World Neurosurgery</i> , 2019, 132, e869-e877.	1.3	29
15	Neuroendoscopic Intraoperative Ultrasound-Guided Technique for Biopsy of Paraventricular Tumors. <i>World Neurosurgery</i> , 2019, 122, 441-450.	1.3	13
16	6 Anterior Cranial Base. , 2019, , 71-80.		0
17	Endoscopic endo- and extra-orbital corridors for sphenoidal region: anatomic study with illustrative case. <i>Acta Neurochirurgica</i> , 2019, 161, 1633-1646.	1.7	32
18	The endoscopic endonasal approach for pediatric craniopharyngiomas: the key lessons learned. <i>Child's Nervous System</i> , 2019, 35, 2147-2155.	1.1	25

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19	Defining the lateral limits of the endoscopic endonasal transtuberculum transplanum approach: anatomical study with pertinent quantitative analysis. <i>Journal of Neurosurgery</i> , 2019, 130, 848-860.	1.6	17
20	Optic Nerve Atrophy Due to Long-Standing Compression by Planum Sphenoidale Meningioma. <i>World Neurosurgery</i> , 2018, 113, 82-85.	1.3	4
21	Supraorbital vs Endo-Orbital Routes to the Lateral Skull Base: A Quantitative and Qualitative Anatomic Study. <i>Operative Neurosurgery</i> , 2018, 15, 567-576.	0.8	17
22	Endoscopic transorbital route to the petrous apex: a feasibility anatomic study. <i>Acta Neurochirurgica</i> , 2018, 160, 707-720.	1.7	45
23	Endoscopic transorbital superior eyelid approach: anatomical study from a neurosurgical perspective. <i>Journal of Neurosurgery</i> , 2018, 129, 1203-1216.	1.6	65
24	Reply to letter: "Endoscopic transorbital route to the petrous apex: a feasibility anatomic study". <i>Acta Neurochirurgica</i> , 2018, 160, 2251-2253.	1.7	0
25	Reply to letter: Endoscopic transpalpebral transorbital anterior petrosectomy: does safer surgical freedoms necessitates modifications?. <i>Acta Neurochirurgica</i> , 2018, 160, 1585-1586.	1.7	1
26	Endoscopic Approaches to Skull Base Lesions. , 2018, , 695-705.e4.		0
27	Atypical pituitary adenomas: clinical characteristics and role of ki-67 and p53 in prognostic and therapeutic evaluation. A series of 50 patients. <i>Neurosurgical Review</i> , 2017, 40, 105-114.	2.4	51
28	Tips and Tricks for Anterior Cranial Base Reconstruction. <i>Acta Neurochirurgica Supplementum</i> , 2017, 124, 165-169.	1.0	4
29	Surgical Freedom Evaluation During Optic Nerve Decompression: Laboratory Investigation. <i>World Neurosurgery</i> , 2017, 101, 227-235.	1.3	23
30	Characteristics of meningitis following transsphenoidal endoscopic surgery: a case series and a systematic literature review. <i>Infection</i> , 2017, 45, 841-848.	4.7	17
31	Endoscopic endonasal medial-to-lateral and transorbital lateral-to-medial optic nerve decompression: an anatomical study with surgical implications. <i>Journal of Neurosurgery</i> , 2017, 127, 199-208.	1.6	47
32	Endoscopic Endonasal Management of Rare Sellar Lesions: Clinical and Surgical Experience of 78 Cases and Review of the Literature. <i>World Neurosurgery</i> , 2017, 100, 369-380.	1.3	24
33	Preliminary Experience with a New Multidirectional Videoendoscope for Neuroendoscopic Surgical Procedures. <i>PLoS ONE</i> , 2016, 11, e0147524.	2.5	18
34	Endoscopic Endonasal Transsphenoidal Approach. , 2016, , 11-34.		1
35	Fibrin Sealants in Dura Sealing: A Systematic Literature Review. <i>PLoS ONE</i> , 2016, 11, e0151533.	2.5	70
36	Endoscopic Endonasal Transsphenoidal Approach. , 2016, , 69-88.		0

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37	Anatomy of the Sellar and Parasellar Region. , 2016, , 3-9.		1
38	Endoscopic Endonasal Transsphenoidal Approach. , 2016, , 289-300.		0
39	Surgical Approaches. , 2015, , 137-153.		2
40	Extended Endoscopic Endonasal Approach to the Third Ventricle: Multimodal Anatomical Study with Surgical Implications. World Neurosurgery, 2015, 84, 267-278.	1.3	29
41	Efficacy of ultra-short single agent regimen antibiotic chemo-prophylaxis in reducing the risk of meningitis in patients undergoing endoscopic endonasal transsphenoidal surgery. Clinical Neurology and Neurosurgery, 2015, 139, 206-209.	1.4	25
42	Endoscopic Endonasal Extended Approaches for the Management of Large Pituitary Adenomas. Neurosurgery Clinics of North America, 2015, 26, 323-331.	1.7	51
43	The role of inferior petrosal sinus sampling in ACTH-dependent Cushing's syndrome: review and joint opinion statement by members of the Italian Society for Endocrinology, Italian Society for Neurosurgery, and Italian Society for Neuroradiology. Neurosurgical Focus, 2015, 38, E5.	2.3	68
44	Letter to the Editor: Endoscopic endonasal transsphenoidal approach to pituitary adenomas. Journal of Neurosurgery, 2015, 122, 473-474.	1.6	12
45	Endoscopic Endonasal Approach in the Management of Rathke's Cleft Cysts. PLoS ONE, 2015, 10, e0139609.	2.5	29
46	Size does not matter. The intrigue of giant adenomas: a true surgical challenge. Acta Neurochirurgica, 2014, 156, 2217-2220.	1.7	36
47	Endoscopic Endonasal Surgery for Pituitary Adenomas. World Neurosurgery, 2014, 82, S3-S11.	1.3	60
48	Endoscopic Anatomy of the Skull Base Explored Through the Nose. World Neurosurgery, 2014, 82, S164-S170.	1.3	31
49	The Role of the Endoscopic Endonasal Route in the Management of Craniopharyngiomas. World Neurosurgery, 2014, 82, S32-S40.	1.3	41
50	Extended endoscopic endonasal transclival approach to the ventrolateral brainstem and related cisternal spaces: anatomical study. Neurosurgical Review, 2014, 37, 253-260.	2.4	16
51	Quantitative analysis of progressive removal of nasal structures during endoscopic suprasellar approach. Laryngoscope, 2014, 124, 2231-2237.	2.0	24
52	Surgical approach to pituitary tumors. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2014, 124, 291-301.	1.8	30
53	The endoscopic endonasal approach for the management of craniopharyngiomas: a series of 103 patients. Journal of Neurosurgery, 2014, 121, 100-113.	1.6	193
54	Craniopharyngiomas: Infradiaphragmatic and Supradiaphragmatic Type and Their Management in Modern Times. World Neurosurgery, 2014, 81, 683-684.	1.3	7

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55	Current Status and Future Developments of Neuroendoscopic Management of Pituitary Tumours and Craniopharyngiomas. , 2014, , 57-64.		0
56	The endoscopic endonasal approach for the management of craniopharyngiomas involving the third ventricle. Neurosurgical Review, 2013, 36, 27-38.	2.4	79
57	The trochlear nerve: microanatomic and endoscopic study. Neurosurgical Review, 2013, 36, 227-238.	2.4	25
58	Endoscopic endonasal approach for pituitary adenomas. Acta Neurochirurgica, 2012, 154, 2251-2256.	1.7	24
59	Sellar/Tuberculum Approach. Progress in Neurological Surgery, 2012, , 41-59.	1.3	8
60	Minimal Access Skull Base Approaches. , 2012, , e1-e20.		1
61	Anatomy and surgery of the endoscopic endonasal approach to the skull base. Translational Medicine @ UniSa, 2012, 2, 36-46.	0.5	13
62	The Use of a Three-Dimensional Novel Computer-Based Model for Analysis of the Endonasal Endoscopic Approach to the Midline Skull Base. World Neurosurgery, 2011, 75, 106-113.	1.3	33
63	The Oculomotor Nerve. Neurosurgery, 2010, 66, 593-601.	1.1	37
64	Endoscopic Transsphenoidal Surgery. , 2010, , 128-142.		0
65	Preliminary experience with a new three-dimensional computer-based model for the study and the analysis of skull base approaches. Child's Nervous System, 2010, 26, 621-626.	1.1	38
66	Natura Abhorret a Vacuo" use of fibrin glue as a filler and sealant in neurosurgical "dead spaces". Technical note. Acta Neurochirurgica, 2010, 152, 897-904.	1.7	57
67	Use of a thrombin"gelatin haemostatic matrix in endoscopic endonasal extended approaches: technical note. Acta Neurochirurgica, 2009, 151, 69-77.	1.7	54
68	ENDOSCOPIC ENDONASAL TRANSLIVAL APPROACH AND RETROSIGMOID APPROACH TO THE CLIVAL AND PETROCLIVAL REGIONS. Operative Neurosurgery, 2009, 65, ons42-ons52.	0.8	34
69	Endoscopic pituitary surgery. Pituitary, 2008, 11, 385-390.	2.9	103
70	Endoscopic endonasal approach to the ethmoidal planum: anatomic study. Neurosurgical Review, 2008, 31, 309-317.	2.4	32
71	Skull base reconstruction in the extended endoscopic transsphenoidal approach for suprasellar lesions. Journal of Neurosurgery, 2007, 107, 713-720.	1.6	213
72	EXTENDED ENDOSCOPIC ENDONASAL TRANSSPHENOIDAL APPROACH FOR THE REMOVAL OF SUPRASellar TUMORS. Neurosurgery, 2007, 60, 46-59.	1.1	296

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73	Pure endoscopic endonasal odontoidectomy: anatomical study. <i>Neurosurgical Review</i> , 2007, 30, 189-194.	2.4	131
74	Endoscopic Transnasal Approach to the Cavernous Sinus versus Transcranial Route: Anatomic Study. <i>Operative Neurosurgery</i> , 2005, 56, ONS-379-ONS-389.	0.8	78
75	Current state and future development of intracranial neuroendoscopic surgery. <i>Expert Review of Medical Devices</i> , 2005, 2, 351-373.	2.8	85
76	Endoscopic endonasal transsphenoidal surgery: procedure, endoscopic equipment and instrumentation. <i>Child's Nervous System</i> , 2004, 20, 796-801.	1.1	74
77	Endoscopic Endonasal Transsphenoidal Surgery. <i>Neurosurgery</i> , 2004, 55, 933-941.	1.1	369
78	Sellar repair with fibrin sealant and collagen fleece after endoscopic endonasal transsphenoidal surgery. <i>World Neurosurgery</i> , 2004, 62, 227-233.	1.3	84
79	Surgical complications associated with the endoscopic endonasal transsphenoidal approach for pituitary adenomas. <i>Journal of Neurosurgery</i> , 2002, 97, 293-298.	1.6	430
80	Sellar Repair in Endoscopic Endonasal Transsphenoidal Surgery: Results of 170 Cases. <i>Neurosurgery</i> , 2002, 51, 1365-1372.	1.1	132
81	Endoscopic Transsphenoidal Approach: Adaptability of the Procedure to Different Sellar Lesions. <i>Neurosurgery</i> , 2002, 51, 699-707.	1.1	233
82	Sellar Repair in Endoscopic Endonasal Transsphenoidal Surgery: Results of 170 Cases. <i>Neurosurgery</i> , 2002, 51, 1365-1372.	1.1	94
83	Endoscopic examination of the cerebellar pontine angle. <i>Clinical Neurology and Neurosurgery</i> , 2002, 104, 387-391.	1.4	34
84	Endoscopic Transsphenoidal Approach: Adaptability of the Procedure to Different Sellar Lesions. <i>Neurosurgery</i> , 2002, 51, 699-707.	1.1	68
85	Easy Sellar Reconstruction in Endoscopic Endonasal Transsphenoidal Surgery with Polyester-Silicone Dural Substitute and Fibrin Glue: Technical Note. <i>Neurosurgery</i> , 2002, 50, 1170.	1.1	0
86	Sellar repair in endoscopic endonasal transsphenoidal surgery: results of 170 cases. <i>Neurosurgery</i> , 2002, 51, 1365-71; discussion 1371-2.	1.1	42
87	Easy Sellar Reconstruction in Endoscopic Endonasal Transsphenoidal Surgery with Polyester-Silicone Dural Substitute and Fibrin Glue: Technical Note. <i>Neurosurgery</i> , 2001, 49, 473-476.	1.1	90
88	The role of the endoscopic transsphenoidal approach in pediatric neurosurgery. <i>Child's Nervous System</i> , 2000, 16, 692-696.	1.1	88