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	Surgical complications associated with the endoscopic endonasal transsphenoidal approach for pituitary adenomas. Journal of Neurosurgery, 2002, 97, 293-298.	1.6	430
2	Endoscopic Endonasal Transsphenoidal Surgery. Neurosurgery, 2004, 55, 933-941.	1.1	369
3	EXTENDED ENDOSCOPIC ENDONASAL TRANSSPHENOIDAL APPROACH FOR THE REMOVALOF SUPRASELLAR TUMORS. Neurosurgery, 2007, 60, 46-59.	1.1	296
4	Endoscopic Transsphenoidal Approach: Adaptability of the Procedure to Different Sellar Lesions. Neurosurgery, 2002, 51, 699-707.	1.1	233
5	Skull base reconstruction in the extended endoscopic transsphenoidal approach for suprasellar lesions. Journal of Neurosurgery, 2007, 107, 713-720.	1.6	213
6	The endoscopic endonasal approach for the management of craniopharyngiomas: a series of 103 patients. Journal of Neurosurgery, 2014, 121, 100-113.	1.6	193
7	Sellar Repair in Endoscopic Endonasal Transsphenoidal Surgery: Results of 170 Cases. Neurosurgery, 2002, 51, 1365-1372.	1.1	132
8	Pure endoscopic endonasal odontoidectomy: anatomical study. Neurosurgical Review, 2007, 30, 189-194.	2.4	131
9	Endoscopic pituitary surgery. Pituitary, 2008, 11, 385-390.	2.9	103
10	Sellar Repair in Endoscopic Endonasal Transsphenoidal Surgery: Results of 170 Cases. Neurosurgery, 2002, 51, 1365-1372.	1.1	94
11	Easy Sellar Reconstruction in Endoscopic Endonasal Transsphenoidal Surgery with Polyester-Silicone Dural Substitute and Fibrin Glue: Technical Note. Neurosurgery, 2001, 49, 473-476.	1.1	90
12	The role of the endoscopic transsphenoidal approach in pediatric neurosurgery. Child's Nervous System, 2000, 16, 692-696.	1.1	88
13	Current state and future development of intracranial neuroendoscopic surgery. Expert Review of Medical Devices, 2005, 2, 351-373.	2.8	85
14	Sellar repair with fibrin sealant and collagen fleece after endoscopic endonasal transsphenoidal surgery. World Neurosurgery, 2004, 62, 227-233.	1.3	84
15	The endoscopic endonasal approach for the management of craniopharyngiomas involving the third ventricle. Neurosurgical Review, 2013, 36, 27-38.	2.4	79
16	Endoscopic Transnasal Approach to the Cavernous Sinus versus Transcranial Route: Anatomic Study. Operative Neurosurgery, 2005, 56, ONS-379-ONS-389.	0.8	78
17	Endoscopic endonasal transsphenoidal surgery: procedure, endoscopic equipment and instrumentation. Child's Nervous System, 2004, 20, 796-801.	1.1	74
18	Fibrin Sealants in Dura Sealing: A Systematic Literature Review. PLoS ONE, 2016, 11, e0151533.	2.5	70

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19	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
20	Endoscopic Transsphenoidal Approach: Adaptability of the Procedure to Different Sellar Lesions. Neurosurgery, 2002, 51, 699-707.	1.1	68
21	Endoscopic transorbital superior eyelid approach: anatomical study from a neurosurgical perspective. Journal of Neurosurgery, 2018, 129, 1203-1216.	1.6	65
22	Prediction of high proliferative index in pituitary macroadenomas using MRI-based radiomics and machine learning. Neuroradiology, 2019, 61, 1365-1373.	2.2	64
23	Endoscopic Endonasal Surgery for Pituitary Adenomas. World Neurosurgery, 2014, 82, S3-S11.	1.3	60
24	Natura Abhorret a Vacuoâ€"use of fibrin glue as a filler and sealant in neurosurgical â€œdead spacesâ€: Technical note. Acta Neurochirurgica, 2010, 152, 897-904.	1.7	57
25	Use of a thrombinâ€"gelatin haemostatic matrix in endoscopic endonasal extended approaches: technical note. Acta Neurochirurgica, 2009, 151, 69-77.	1.7	54
26	Endoscopic Endonasal Extended Approaches for the Management of Large Pituitary Adenomas. Neurosurgery Clinics of North America, 2015, 26, 323-331.	1.7	51
27	Atypical pituitary adenomas: clinical characteristics and role of ki-67 and p53 in prognostic and therapeutic evaluation. A series of 50 patients. Neurosurgical Review, 2017, 40, 105-114.	2.4	51
28	Endoscopic endonasal medial-to-lateral and transorbital lateral-to-medial optic nerve decompression: an anatomical study with surgical implications. Journal of Neurosurgery, 2017, 127, 199-208.	1.6	47
29	Endoscopic transorbital route to the petrous apex: a feasibility anatomic study. Acta Neurochirurgica, 2018, 160, 707-720.	1.7	45
30	Sellar repair in endoscopic endonasal transsphenoidal surgery: results of 170 cases. Neurosurgery, 2002, 51, 1365-71; discussion 1371-2.	1.1	42
31	The Role of the Endoscopic Endonasal Route in the Management of Craniopharyngiomas. World Neurosurgery, 2014, 82, S32-S40.	1.3	41
32	Prediction of pituitary adenoma surgical consistency: radiomic data mining and machine learning on T2-weighted MRI. Neuroradiology, 2020, 62, 1649-1656.	2.2	41
33	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
34	The Oculomotor Nerve. Neurosurgery, 2010, 66, 593-601.	1.1	37
35	Size does not matter. The intrigue of giant adenomas: a true surgical challenge. Acta Neurochirurgica, 2014, 156, 2217-2220.	1.7	36
36	Endoscopic examination of the cerebellar pontine angle. Clinical Neurology and Neurosurgery, 2002, 104, 387-391.	1.4	34

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37	ENDOSCOPIC ENDONASAL TRANSCLIVAL APPROACH AND RETROSIGMOID APPROACH TO THE CLIVAL AND PETROCLIVAL REGIONS. Operative Neurosurgery, 2009, 65, ons42-ons52.	0.8	34
38	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
39	Endoscopic endonasal approach to the ethmoidal planum: anatomic study. Neurosurgical Review, 2008, 31, 309-317.	2.4	32
40	Endoscopic endo- and extra-orbital corridors for spheno-orbital region: anatomic study with illustrative case. Acta Neurochirurgica, 2019, 161, 1633-1646.	1.7	32
41	Endoscopic Anatomy of the Skull Base Explored Through the Nose. World Neurosurgery, 2014, 82, S164-S170.	1.3	31
42	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
43	Extended Endoscopic Endonasal Approach to the Third Ventricle: Multimodal Anatomical Study with Surgical Implications. World Neurosurgery, 2015, 84, 267-278.	1.3	29
44	Ommaya Reservoir System for the Treatment of Cystic Craniopharyngiomas: Surgical Results in a Series of 11 Adult Patients and Review of the Literature. World Neurosurgery, 2019, 132, e869-e877.	1.3	29
45	Endoscopic Endonasal Approach in the Management of Rathkeâ€™s Cleft Cysts. PLoS ONE, 2015, 10, e0139609.	2.5	29
46	The trochlear nerve: microanatomic and endoscopic study. Neurosurgical Review, 2013, 36, 227-238.	2.4	25
47	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
48	The endoscopic endonasal approach for pediatric craniopharyngiomas: the key lessons learned. Child's Nervous System, 2019, 35, 2147-2155.	1.1	25
49	Endoscopic endonasal approach for pituitary adenomas. Acta Neurochirurgica, 2012, 154, 2251-2256.	1.7	24
50	Quantitative analysis of progressive removal of nasal structures during endoscopic suprasellar approach. Laryngoscope, 2014, 124, 2231-2237.	2.0	24
51	Endoscopic Endonasal Management of Rare Sellar Lesions: Clinical and Surgical Experience of 78 Cases and Review of the Literature. World Neurosurgery, 2017, 100, 369-380.	1.3	24
52	Endoscopic endonasal and transorbital routes to the petrous apex: anatomic comparative study of two pathways. Acta Neurochirurgica, 2020, 162, 2097-2109.	1.7	24
53	Surgical Freedom Evaluation During Optic Nerve Decompression: Laboratory Investigation. World Neurosurgery, 2017, 101, 227-235.	1.3	23
54	â€œSagittal Crestâ€: Definition, Stepwise Dissection, and Clinical Implications From a Transorbital Perspective. Operative Neurosurgery, 2022, 22, e206-e212.	0.8	19

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55	Preliminary Experience with a New Multidirectional Videoendoscope for Neuroendoscopic Surgical Procedures. PLoS ONE, 2016, 11, e0147524.	2.5	18
56	Characteristics of meningitis following transsphenoidal endoscopic surgery: a case series and a systematic literature review. Infection, 2017, 45, 841-848.	4.7	17
57	Supraorbital vs Endo-Orbital Routes to the Lateral Skull Base: A Quantitative and Qualitative Anatomic Study. Operative Neurosurgery, 2018, 15, 567-576.	0.8	17
58	Defining the lateral limits of the endoscopic endonasal transtuberculum transplanum approach: anatomical study with pertinent quantitative analysis. Journal of Neurosurgery, 2019, 130, 848-860.	1.6	17
59	Extended endoscopic endonasal transclival approach to the ventrolateral brainstem and related cisternal spaces: anatomical study. Neurosurgical Review, 2014, 37, 253-260.	2.4	16
60	Early vascular modifications after endoscopic endonasal pituitary surgery: The role of OCT-angiography. PLoS ONE, 2020, 15, e0241295.	2.5	15
61	Neuroendoscopic Intraoperative Ultrasound-Guided Technique for Biopsy of Paraventricular Tumors. World Neurosurgery, 2019, 122, 441-450.	1.3	13
62	Anatomy and surgery of the endoscopic endonasal approach to the skull base. Translational Medicine @ UniSa, 2012, 2, 36-46.	0.5	13
63	Letter to the Editor: Endoscopic endonasal transsphenoidal approach to pituitary adenomas. Journal of Neurosurgery, 2015, 122, 473-474.	1.6	12
64	Pituitary magnetic resonance imaging vs. bilateral inferior petrosal sinus sampling: comparison between non-invasive and invasive diagnostic techniques for Cushingâ€™s diseaseâ€”a narrative review. Gland Surgery, 2020, 9, 2260-2268.	1.1	10
65	Multicenter external validation of the Zurich Pituitary Score. Acta Neurochirurgica, 2020, 162, 1287-1295.	1.7	9
66	Aggressive pituitary neuroendocrine tumors: current practices, controversies, and perspectives, on behalf of the EANS skull base section. Acta Neurochirurgica, 2021, 163, 3131-3142.	1.7	9
67	Sellar/Tuberculum Approach. Progress in Neurological Surgery, 2012, , 41-59.	1.3	8
68	Endoscopic endonasal approach for infradiaphragmatic craniopharyngiomas: a multicentric Italian study. Journal of Neurosurgery, 2023, 138, 522-532.	1.6	8
69	Craniopharyngiomas: Infradiaphragmatic and Supradiaphragmatic Type and Their Management in Modern Times. World Neurosurgery, 2014, 81, 683-684.	1.3	7
70	Midline Skull Base Meningiomas: Transcranial and Endonasal Perspectives. Cancers, 2022, 14, 2878.	3.7	7
71	Anterior cervical osteophytes causing dysphagia: Choice of the approach and surgical problems. Journal of Craniovertebral Junction and Spine, 2020, 11, 300.	0.8	6
72	Primary ectopic orbital craniopharyngioma. Acta Neurochirurgica, 2022, 164, 1979-1984.	1.7	5

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73	Tips and Tricks for Anterior Cranial Base Reconstruction. Acta Neurochirurgica Supplementum, 2017, 124, 165-169.	1.0	4
74	Optic Nerve Atrophy Due to Long-Standing Compression by Planum Sphenoidale Meningioma. World Neurosurgery, 2018, 113, 82-85.	1.3	4
75	Role of Anterior Nasal Packing in Endoscopic Skull Base Surgery: Italian Survey. World Neurosurgery, 2021, 154, e406-e415.	1.3	3
76	Surgical Approaches. , 2015, , 137-153.		2
77	Minimal Access Skull Base Approaches. , 2012, , e1-e20.		1
78	Endoscopic Endonasal Transsphenoidal Approach. , 2016, , 11-34.		1
79	Reply to letter: Endoscopic transpalpebral transorbital anterior petrosectomy: does safer surgical freedoms necessitates modifications?. Acta Neurochirurgica, 2018, 160, 1585-1586.	1.7	1
80	Anatomy of the Sellar and Parasellar Region. , 2016, , 3-9.		1
81	Endoscopic Transsphenoidal Surgery. , 2010, , 128-142.		0
82	Reply to letter: â€œEndoscopic transorbital route to the petrous apex: a feasibility anatomic studyâ€• Acta Neurochirurgica, 2018, 160, 2251-2253.	1.7	0
83	6 Anterior Cranial Base. , 2019, , 71-80.		0
84	Easy Sellar Reconstruction in Endoscopic Endonasal Transsphenoidal Surgery with Polyester-Silicone Dural Substitute and Fibrin Glue: Technical Note. Neurosurgery, 2002, 50, 1170.	1.1	0
85	Current Status and Future Developments of Neuroendoscopic Management of Pituitary Tumours and Craniopharyngiomas. , 2014, , 57-64.		0
86	Endoscopic Endonasal Transsphenoidal Approach. , 2016, , 69-88.		0
87	Endoscopic Endonasal Transsphenoidal Approach. , 2016, , 289-300.		0
88	Endoscopic Approaches to Skull Base Lesions. , 2018, , 695-705.e4.		0