Francesco Sala

List of Publications by Year in descending order

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76 papers	2,965 citations	236925 25 h-index	168389 53 g-index
80 all docs	80 docs citations	80 times ranked	2202 citing authors

#	Article	IF	Citations
1	Motor Evoked Potential Monitoring Improves Outcome after Surgery for Intramedullary Spinal Cord Tumors: A Historical Control Study. Neurosurgery, 2006, 58, 1129-1143.	1.1	376
2	Intraoperative neurophysiological monitoring of the spinal cord during spinal cord and spine surgery: A review focus on the corticospinal tracts. Clinical Neurophysiology, 2008, 119, 248-264.	1.5	356
3	Intraoperative electrical stimulation in awake craniotomy: methodological aspects of current practice. Neurosurgical Focus, 2010, 28, E7.	2.3	296
4	Intraoperative neurophysiological monitoring in pediatric neurosurgery: why, when, how?. Child's Nervous System, 2002, 18, 264-287.	1.1	196
5	Surgery for intramedullary spinal cord tumors: the role of intraoperative (neurophysiological) monitoring. European Spine Journal, 2007, 16, 130-139.	2.2	180
6	Neurosurgical management of intractable rolandic epilepsy in children: role of resection in eloquent cortex. Journal of Neurosurgery: Pediatrics, 2009, 4, 199-216.	1.3	145
7	Assessment and Surgical Management of Posterior Fossa Epidermoid Tumors: Report of 28 Cases. Neurosurgery, 1998, 42, 242-251.	1.1	110
8	Monitoring of motor pathways during brain stem surgery: What we have achieved and what we still miss?. Neurophysiologie Clinique, 2007, 37, 399-406.	2.2	97
9	Intraoperative neurophysiology of the motor system in children: a tailored approach. Child's Nervous System, 2010, 26, 473-490.	1.1	86
10	Current opinions and recommendations on multimodal intraoperative monitoring during spine surgeries. European Spine Journal, 2007, 16, 232-237.	2.2	84
11	Surgical treatment of high-grade gliomas in motor areas. The impact of different supportive technologies: a 171-patient series. Journal of Neuro-Oncology, 2010, 100, 417-426.	2.9	59
12	Intraoperative neurophysiology in tethered cord surgery: techniques and results. Child's Nervous System, 2013, 29, 1611-1624.	1.1	56
13	The Role of Intraoperative Neurophysiology in the Protection or Documentation of Surgically Induced Injury to the Spinal Cord. Annals of the New York Academy of Sciences, 2001, 939, 137-144.	3.8	52
14	Embolization of a Spinal Arteriovenous Malformation: Correlation between Motor Evoked Potentials and Angiographic Findings: Technical Case Report. Neurosurgery, 1999, 45, 932-938.	1.1	48
15	Intraoperative neurophysiological monitoring for intradural extramedullary tumors: Why not?. Clinical Neurology and Neurosurgery, 2015, 130, 140-149.	1.4	44
16	Intraoperative neurophysiological monitoring and mapping during brain stem Surgery: A modern approach. Operative Techniques in Neurosurgery, 2000, 3, 109-113.	0.1	43
17	Intraoperative identification of the corticospinal tract and dorsal column of the spinal cord by electrical stimulation. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 754-761.	1.9	37
18	Cost effectiveness of multimodal intraoperative monitoring during spine surgery. European Spine Journal, 2007, 16, 229-231.	2.2	36

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19	Intraoperative neurophysiology is here to stay. Child's Nervous System, 2010, 26, 413-417.	1.1	35
20	Communication and collaboration in spine neuromonitoring: time to expect more, a lot more, from the neurophysiologists. Journal of Neurosurgery: Spine, 2017, 27, 1-6.	1.7	33
21	Can triggered electromyography thresholds assure accurate pedicle screw placements? A systematic review and meta-analysis of diagnostic test accuracy. Clinical Neurophysiology, 2015, 126, 2019-2025.	1.5	32
22	Retained medullary cord confirmed by intraoperative neurophysiological mapping. Child's Nervous System, 2014, 30, 1287-1291.	1.1	30
23	Neuroprotective Role of Neurophysiological Monitoring During Endovascular Procedures in the Spinal Cord. Annals of the New York Academy of Sciences, 2001, 939, 126-136.	3.8	29
24	Intra-operative neurophysiological mapping and monitoring during brain tumour surgery in children: an update. Child's Nervous System, 2016, 32, 1849-1859.	1.1	28
25	Intraoperative neurophysiological monitoring during surgery for Chiari malformations. Neurological Sciences, 2011, 32, 317-319.	1.9	26
26	Brain Tumors in Children Under 3 Years of Age. Pediatric Neurosurgery, 1999, 31, 16-26.	0.7	25
27	Diagnosis and treatment of Chiari malformation type 1 in children: the International Consensus Document. Neurological Sciences, 2022, 43, 1311-1326.	1.9	24
28	Electrophysiologic monitoring in neurointensive care. Current Opinion in Critical Care, 2001, 7, 74-80.	3.2	23
29	Steady-state activation in somatosensory cortex after changes in stimulus rate during median nerve stimulation. Magnetic Resonance Imaging, 2009, 27, 1175-1186.	1.8	23
30	Cortico-cortical connectivity between the superior and inferior parietal lobules and the motor cortex assessed by intraoperative dual cortical stimulation. Brain Stimulation, 2020, 13, 819-831.	1.6	23
31	Frequency and time-frequency analysis of intraoperative ECoG during awake brain stimulation. Frontiers in Neuroengineering, 2013, 6, 1.	4.8	22
32	Intraoperative neurophysiology in posterior fossa tumor surgery in children. Child's Nervous System, 2015, 31, 1791-1806.	1.1	20
33	Intraoperative neurophysiological monitoring during spine surgery: an update. Current Opinion in Orthopaedics, 2004, 15, 154-158.	0.3	19
34	Neurophysiology of Complex Spinal Cord Untethering. Journal of Clinical Neurophysiology, 2014, 31, 326-336.	1.7	19
35	Medical Error Avoidance in Intraoperative Neurophysiological Monitoring: The Communication Imperative. Journal of Clinical Neurophysiology, 2017, 34, 477-483.	1.7	19
36	Intrauterine head stab wound injury resulting in a growing skull fracture: a case report and literature review. Child's Nervous System, 2010, 26, 377-384.	1.1	18

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37	Long-term motor deficit in brain tumour surgery with preserved intra-operative motor-evoked potentials. Brain Communications, 2021, 3, fcaa226.	3.3	18
38	Letter: Guidelines for the use of Electrophysiological Monitoring for Surgery of the Human Spinal Column and Spinal Cord. Neurosurgery, 2018, 83, E82-E84.	1.1	14
39	Intraoperative Neurophysiological Monitoring in Neurosurgery: Moving the Debate from Evidence and Cost-Effectiveness to Education and Training. World Neurosurgery, 2015, 83, 32-34.	1.3	13
40	Surgery for intramedullary spinal cord ependymomas in the neuromonitoring era: results from a consecutive series of 100 patients. Journal of Neurosurgery: Spine, 2022, 36, 858-868.	1.7	13
41	A spotlight on intraoperative neurophysiological monitoring of the lower brainstem. Clinical Neurophysiology, 2017, 128, 1369-1371.	1.5	12
42	Intraoperative neurophysiology in pediatric supratentorial surgery: experience with 57 cases. Child's Nervous System, 2020, 36, 315-324.	1.1	12
43	Corticospinal tract monitoring with Dâ€•and Iâ€waves from the spinal cord and muscle MEPs from limb muscles. Handbook of Clinical Neurophysiology, 2008, , 235-251.	0.0	11
44	Evaluation of the central sleep apnea in asymptomatic children with Chiari 1 malformation: an open question. Child's Nervous System, 2017, 33, 829-832.	1.1	11
45	Intraoperative Neurophysiological Monitoring for Craniovertebral Junction Surgery. Acta Neurochirurgica Supplementum, 2019, 125, 369-380.	1.0	9
46	Feasibility of cerebello-cortical stimulation for intraoperative neurophysiological monitoring of cerebellar mutism. Child's Nervous System, 2021, 37, 1505-1514.	1.1	9
47	Intraoperative Neurophysiological Monitoring in Posterior Fossa Surgery. , 2015, , 239-262.		6
48	Spinal hemangioblastomas: analysis of surgical outcome and prognostic factors. Neurosurgical Review, 2022, 45, 1645-1661.	2.4	6
49	Intraoperative neurophysiology in intramedullary spinal cord tumor surgery. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, , 229-244.	1.8	6
50	Pediatric Optic Nerve Sheath Meningioma. Journal of Neuro-Ophthalmology, 2014, 34, 315-316.	0.8	5
51	Intraoperative neurophysiology of the cerebellum: a tabula rasa. Child's Nervous System, 2020, 36, 1181-1186.	1.1	5
52	Surgery vs. Biopsy in the Treatment of Butterfly Glioblastoma: A Systematic Review and Meta-Analysis. Cancers, 2022, 14, 314.	3.7	5
53	Intraoperative neurophysiological monitoring during surgery for intramedullary spinal cord tumors. Handbook of Clinical Neurophysiology, 2008, , 632-650.	0.0	4
54	Take the A Train. Clinical Neurophysiology, 2015, 126, 1647-1649.	1.5	4

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55	Penfieldâ€™s stimulation for direct cortical motor mapping: An outdated technique?. Clinical Neurophysiology, 2018, 129, 2635-2637.	1.5	4
56	Intraoperative Neurophysiology. , 2012, , 30-45.		3
57	Is the new ASNM intraoperative neuromonitoring supervision â€œguidelineâ€•a trustworthy guideline? A commentary. Journal of Clinical Monitoring and Computing, 2019, 33, 185-190.	1.6	3
58	Novel Asleep Techniques for Intraoperative Assessment of Brain Connectivity. Frontiers in Neurology, 2021, 12, 687030.	2.4	3
59	Reply to â€œIntraoperative cortico-cortical evoked potentials for monitoring the arcuate fasciculus: Feasible under general anesthesia?â€• Clinical Neurophysiology, 2022, 133, 177-178.	1.5	3
60	Cauda equina ependymomas: surgical treatment and long-term outcomes in a series of 125 patients. Journal of Neurosurgery: Spine, 2022, 36, 452-463.	1.7	3
61	The role of repeat endoscopic third ventriculostomy after failure of the initial procedure. Neurology India, 2011, 59, 844.	0.4	2
62	Chiari 1 Malformation in a Child with Febrile Seizures, Parasomnias, and Sleep Apnea Syndrome. Case Reports in Pediatrics, 2017, 2017, 1-4.	0.4	2
63	Surgery of brainstem lesions. , 2020, , 295-308.		2
64	Intraoperative Neurophysiological Monitoring During Brainstem Surgery. , 2020, , 109-130.		2
65	12 Years delayed postoperative spinal recurrence of craniopharyngioma. Case report and literature review. British Journal of Neurosurgery, 2019, 33, 687-689.	0.8	1
66	Selective dorsal rhizotomy: functional anatomy of the conus-cauda and essentials of intraoperative neurophysiology. Child's Nervous System, 2020, 36, 1907-1918.	1.1	1
67	Intraoperative neuromonitoring predicts motor recovery in a long-term hemiplegic patient with a Rolandic metastasis. Clinical Neurophysiology, 2020, 131, 2276-2278.	1.5	1
68	Intraoperative neurophysiological monitoring in tethered cord surgery. , 2020, , 365-379.		1
69	Transcranial electrical stimulation and intraoperative neurophysiology of the corticospinal tract. , 2012, , .		1
70	Surgery of brain tumors asleep. , 2020, , 271-282.		1
71	Neurophysiological Monitoring of the Human Spinal Cord Functional Integrity during Surgical Interventions. , 2011, , 200-225.		0
72	Intraoperative Neurophysiology During Intracranial Surgery in Children. , 2017, , 1-36.		0

#	Article	IF	Citations
73	Intraoperative Neurophysiology During Spine and Spinal Cord Surgery in Children. , 2019, , 1-30.		0
74	Intraoperative Neurophysiology During Spine and Spinal Cord Surgery in Children. , 2020, , 3021-3044.		0
75	Intraoperative Neurophysiology During Intracranial Surgery in Children. , 2020, , 2993-3020.		0
76	Mapping and monitoring of tethered cord and cauda equina surgeries. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, , 257-270.	1.8	0