

# Ran Harel

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

1,038  
citations

430442

18  
h-index

476904

29  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1399  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spine metastases: Current treatments and future directions. <i>European Journal of Cancer</i> , 2010, 46, 2696-2707.	1.3	165
2	Augmented reality-assisted pedicle screw insertion: a cadaveric proof-of-concept study. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 139-146.	0.9	85
3	Spinal intradural extramedullary tumors: the value of intraoperative neurophysiologic monitoring on surgical outcome. <i>Neurosurgical Review</i> , 2017, 40, 613-619.	1.2	48
4	Invasive Group A Streptococcal Infections in a Large Tertiary Center: Epidemiology, Characteristics and Outcome. <i>Infection</i> , 2002, 30, 81-85.	2.3	46
5	Cervical Spine Surgery: Approach-Related Complications. <i>World Neurosurgery</i> , 2016, 94, 1-5.	0.7	37
6	Spine Instrumentation Failure After Spine Tumor Resection and Radiation: Comparing Conventional Radiotherapy with Stereotactic Radiosurgery Outcomes. <i>World Neurosurgery</i> , 2010, 74, 517-522.	0.7	36
7	Reversible Block of Cerebellar Outflow Reveals Cortical Circuitry for Motor Coordination. <i>Cell Reports</i> , 2019, 27, 2608-2619.e4.	2.9	35
8	Cerebellar Shaping of Motor Cortical Firing Is Correlated with Timing of Motor Actions. <i>Cell Reports</i> , 2018, 23, 1275-1285.	2.9	31
9	Predictors of adverse outcome from candidal infection in a tertiary care hospital. <i>Journal of Infection</i> , 2004, 49, 317-323.	1.7	28
10	Coordinate Transformation is First Completed Downstream of Primary Motor Cortex. <i>Journal of Neuroscience</i> , 2008, 28, 1728-1732.	1.7	27
11	Metabolic and Clinical Markers of Prognosis in the Era of CT Imaging in Children with Acute Epidural Hematomas. <i>Pediatric Neurosurgery</i> , 2000, 33, 70-75.	0.4	25
12	Hazards of Ionizing Radiation and its Impact on Spine Surgery. <i>World Neurosurgery</i> , 2016, 92, 353-359.	0.7	24
13	Intraoperative spine ultrasound: application and benefits. <i>European Spine Journal</i> , 2016, 25, 865-869.	1.0	23
14	Connected Corticospinal Sites Show Enhanced Tuning Similarity at the Onset of Voluntary Action. <i>Journal of Neuroscience</i> , 2007, 27, 12349-12357.	1.7	22
15	Î²-Chemokine secretion patterns in relation to clinical course and outcome in children after cardiopulmonary bypass: continuing the search to abrogate systemic inflammatory response. <i>Annals of Thoracic Surgery</i> , 2001, 71, 233-237.	0.7	21
16	Prospective Evaluation of Clinical and Laboratory Effects of Intrathecal Chemotherapy on Children With Acute Leukemia. <i>Journal of Pediatric Hematology/Oncology</i> , 2005, 27, 307-310.	0.3	20
17	Functional Organization of Information Flow in the Corticospinal Pathway. <i>Journal of Neuroscience</i> , 2013, 33, 1190-1197.	1.7	20
18	Quantitative Evaluation of Local Control and Wound Healing Following Surgery and Stereotactic Spine Radiosurgery for Spine Tumors. <i>World Neurosurgery</i> , 2016, 87, 48-54.	0.7	20

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19	Intraoperative Magnetic Resonance Imaging for Resection of Intra-Axial Brain Lesions: A Decade of Experience Using Low-Field Magnetic Resonance Imaging, Polestar N-10, 20, 30 Systems. World Neurosurgery, 2014, 82, 770-776.	0.7	19
20	Long-term assessment of pulmonary function tests in pediatric survivors of acute respiratory distress syndrome. Medical Science Monitor, 2002, 8, CR153-7.	0.5	19
21	Acute respiratory distress syndrome in children with malignancy—Can we predict outcome?. Journal of Critical Care, 2001, 16, 54-58.	1.0	18
22	Potential neurotoxicity of titanium implants: Prospective, in-vivo and in-vitro study. Biomaterials, 2021, 276, 121039.	5.7	18
23	Computation in spinal circuitry: Lessons from behaving primates. Behavioural Brain Research, 2008, 194, 119-128.	1.2	17
24	Spine radiosurgery for spinal metastases: indications, technique and outcome. Neurological Research, 2014, 36, 550-556.	0.6	17
25	Minimally Invasive Spine Surgery: The Learning Curve of a Single Surgeon. Global Spine Journal, 2020, 10, 1022-1026.	1.2	17
26	Area-specific thalamocortical synchronization underlies the transition from motor planning to execution. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	16
27	Early prediction of neurological outcome after falls in children: metabolic and clinical markers.. Emergency Medicine Journal, 1999, 16, 186-188.	0.4	15
28	Interleukin-8 secretion following cardiopulmonary bypass in children as a marker of early postoperative morbidity. Paediatric Anaesthesia, 2002, 12, 156-161.	0.6	15
29	Oncomodulin affords limited regeneration to injured sensory axons in vitro and in vivo. Experimental Neurology, 2012, 233, 708-716.	2.0	15
30	Delayed variations in the diagnostic accuracy of intraoperative neuromonitoring in the resection of intramedullary spinal cord tumors. Neurosurgical Focus, 2021, 50, E21.	1.0	14
31	Minimally Invasive Spine Metastatic Tumor Resection and Stabilization: New Technology Yield Improved Outcome. BioMed Research International, 2015, 2015, 1-6.	0.9	12
32	Spine radiosurgery: lessons learned from the first 100 treatment sessions. Neurosurgical Focus, 2017, 42, E3.	1.0	12
33	Volumetric Modulated Arc Therapy for Spine Radiosurgery: Superior Treatment Planning and Delivery Compared to Static Beam Intensity Modulated Radiotherapy. BioMed Research International, 2016, 2016, 1-6.	0.9	11
34	The value of neuromonitoring in cervical spine surgery. , 2014, 5, 120.		10
35	Intraoperative imaging and navigation for C1-C2 posterior fusion. , 2019, 10, 149.		10
36	Circumferential Cervical Surgery. Journal of Spinal Disorders and Techniques, 2013, 26, 183-188.	1.8	8

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37	The XVS System During Open Spinal Fixation Procedures in Patients Requiring Pedicle Screw Placement in the Lumbosacral Spine. <i>World Neurosurgery</i> , 2022, 164, e1226-e1232.	0.7	8
38	Adapting prognostic respiratory variables of ARDS in children to small-scale community needs. <i>Journal of Critical Care</i> , 1999, 14, 120-124.	1.0	7
39	Parallel processing of internal and external feedback in the spinocerebellar system of primates. <i>Journal of Neurophysiology</i> , 2017, 118, 254-266.	0.9	7
40	Brain Metastases from Ovarian Carcinoma: An Evaluation of Prognostic Factors and Treatment. <i>Neurology India</i> , 2019, 67, 1431.	0.2	7
41	Integrity of the tectorial membrane is a favorable prognostic factor in atlanto-occipital dislocation. <i>British Journal of Neurosurgery</i> , 2020, 34, 470-474.	0.4	5
42	Comparison of Frame-Based Versus Frameless Image-Guided Intracranial Stereotactic Brain Biopsy: A Retrospective Analysis of Safety and Efficacy. <i>World Neurosurgery</i> , 2022, 164, e1-e7.	0.7	5
43	Surgical Management of Failed Endovascular Treatment for Spinal Dural Arteriovenous Fistulas. <i>World Neurosurgery</i> , 2021, 147, e354-e362.	0.7	4
44	Spatiotemporal Organization of Neuronal Activity in the Cervical Cord of Behaving Primates. <i>Frontiers in Neuroscience</i> , 2010, 4, 195.	1.4	3
45	Hazards of Ionizing Radiation and Its Impact on Neurosurgical Practice. <i>World Neurosurgery</i> , 2016, 86, 42-43.	0.7	3
46	Anterior cervical approach for the treatment of axial or high thoracic levels. <i>British Journal of Neurosurgery</i> , 2018, 32, 599-603.	0.4	3
47	Utility of the Polestar N30 low-field MRI system for resecting non-enhancing intra-axial brain lesions. <i>Neurologia I Neurochirurgia Polska</i> , 2021, 55, 202-211.	0.6	3
48	Cervical Kyphosis Trapezius Sign: A New Sign for an Old Pathology. <i>World Neurosurgery</i> , 2010, 74, 602-605.	0.7	2
49	Acute Cervical Disk Herniation Resulting in Sudden and Severe Neurologic Deterioration: A Case Series. <i>The Surgery Journal</i> , 2016, 02, e96-e101.	0.3	2
50	Steroid Therapy for Spinal Cord Trauma: Where's the Evidence?. <i>World Neurosurgery</i> , 2016, 90, 621-622.	0.7	2
51	One-step insertion of navigated pedicle screws in minimally invasive transforaminal lumbar interbody fusion (MITLIF): preliminary results of a novel technique. <i>British Journal of Neurosurgery</i> , 2020, , 1-4.	0.4	1
52	In reply to the letter to the editor regarding "Intraoperative neurophysiologic monitoring in spinal intradural extramedullary tumors: only a prognostic tool?". <i>Neurosurgical Review</i> , 2017, 40, 595-596.	1.2	0
53	Paradoxical transtentorial herniation in a patient with pseudotumor cerebri. <i>Israel Medical Association Journal</i> , 2006, 8, 355-6.	0.1	0
54	Spinal radiosurgery using the synergy-S system. <i>Israel Medical Association Journal</i> , 2013, 15, 712-3.	0.1	0

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55	C1 lateral mass screw insertion using cannulated, navigated screws: preliminary results of a novel technique. <i>British Journal of Neurosurgery</i> , 2022, , 1-4.	0.4	0
56	Post-laminectomy Dorsal Cord Migration Resulting in Immediate Neurological Deterioration during Ventral Meningioma Resection: Proposed Mechanism of Injury and Prevention Technique. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2022, 0, .	0.4	0