

# Giuseppe Emmanuele Umana

## List of Publications by Year in descending order

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Version: 2024-02-01

113  
papers

957  
citations

567281

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713466

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114  
all docs

114  
docs citations

114  
times ranked

281  
citing authors

#	ARTICLE	IF	CITATIONS
1	Virtual Reality in Neurosurgery: Beyond Neurosurgical Planning. International Journal of Environmental Research and Public Health, 2022, 19, 1719.	2.6	66
2	Navigated Transcranial Magnetic Stimulation Motor Mapping Usefulness in the Surgical Management of Patients Affected by Brain Tumors in Eloquent Areas: A Systematic Review and Meta-Analysis. Frontiers in Neurology, 2021, 12, 644198.	2.4	33
3	Intraoperative Ultrasound: Emerging Technology and Novel Applications in Brain Tumor Surgery. Frontiers in Oncology, 2022, 12, 818446.	2.8	30
4	Primary Skull Base Chondrosarcomas: A Systematic Review. Cancers, 2021, 13, 5960.	3.7	28
5	Focused Ultrasound in Neuroscience. State of the Art and Future Perspectives. Brain Sciences, 2021, 11, 84.	2.3	27
6	<sup>68</sup> Ga-DOTATOC PET/CT Follow Up after Single or Hypofractionated Gamma Knife ICON Radiosurgery for Meningioma Patients. Brain Sciences, 2021, 11, 375.	2.3	25
7	Ischemic Stroke and SARS-CoV-2 Infection: The Bidirectional Pathology and Risk Morbidities. Neurology International, 2022, 14, 391-405.	2.8	25
8	Brain Mapping-Aided SupraTotal Resection (SpTR) of Brain Tumors: The Role of Brain Connectivity. Frontiers in Oncology, 2021, 11, 645854.	2.8	24
9	Whole Brain Irradiation or Stereotactic RadioSurgery for five or more brain metastases (WHOB-STER): A prospective comparative study of neurocognitive outcomes, level of autonomy in daily activities and quality of life. Clinical and Translational Radiation Oncology, 2022, 32, 52-58.	1.7	23
10	Navigation-assisted extraforaminal lumbar disc microdiscectomy: Technical note. Journal of Craniovertebral Junction and Spine, 2020, 11, 316.	0.8	21
11	Chronic Epidural Hematoma Caused by Traumatic Intracranial Pseudoaneurysm of the Middle Meningeal Artery: Review of the Literature with a Focus on this Unique Entity. World Neurosurgery, 2020, 136, 198-204.	1.3	18
12	Letter to the Editor Regarding "Minimally Invasive Thoracolumbar Corpectomy and Stabilization for Unstable Burst Fractures Using Intraoperative Computed Tomography and Computer-Assisted Spinal Navigation". World Neurosurgery, 2020, 139, 692-693.	1.3	18
13	Slit-like hypertensive hydrocephalus: Report of a late, complex, and multifactorial complication in an oncologic patient. , 2020, 11, 219.		18
14	Importance of Veins for Neurosurgery as Landmarks Against Brain Shifting Phenomenon: An Anatomical and 3D-MPRAGE MR Reconstruction of Superficial Cortical Veins. Frontiers in Neuroanatomy, 2020, 14, 596167.	1.7	18
15	Orbital Metastases: A Systematic Review of Clinical Characteristics, Management Strategies, and Treatment Outcomes. Cancers, 2022, 14, 94.	3.7	17
16	Hypofractionated Gamma Knife Radiosurgery: Institutional Experience on Benign and Malignant Intracranial Tumors. Anticancer Research, 2022, 42, 1851-1858.	1.1	17
17	Letter to the Editor Regarding "Accuracy of Pedicle Screw Insertion Among 3 Image-Guided Navigation Systems: A Systematic Review and Meta-Analysis". World Neurosurgery, 2020, 138, 595-597.	1.3	16
18	A Spotlight on the Role of Radiomics and Machine-Learning Applications in the Management of Intracranial Meningiomas: A New Perspective in Neuro-Oncology: A Review. Life, 2022, 12, 586.	2.4	16

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19	Letter: Image-Guided Navigation and Robotics in Spine Surgery. <i>Neurosurgery</i> , 2020, 87, E720-E721.	1.1	15
20	Safety and efficacy of navigated trocarless pedicle screw placement: Technical note. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2020, 21, 100771.	0.3	15
21	Largest neurosurgical social media group and its impact on communication and research. <i>British Journal of Neurosurgery</i> , 2022, 36, 58-62.	0.8	15
22	Acrometastases to the Hand: A Systematic Review. <i>Medicina (Lithuania)</i> , 2021, 57, 950.	2.0	15
23	Letter to the Editor Regarding "Twist Drill Procedure for Chronic Subdural Hematoma Evacuation" An Analysis of Predictors for Treatment Success. <i>World Neurosurgery</i> , 2020, 139, 698.	1.3	14
24	New tools in percutaneous minimally invasive chronic subdural hematomas evacuation. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2020, 21, 100736.	0.3	14
25	Leptomeningeal Metastases of the Spine: A Systematic Review. <i>Anticancer Research</i> , 2022, 42, 619-628.	1.1	14
26	Letter to the Editor Regarding "Radiolucent Carbon Fiber-Reinforced Pedicle Screws for the Treatment of Spinal Tumors: Advantages for Radiation Planning and Follow-Up Imaging" <i>World Neurosurgery</i> , 2020, 139, 674-675.	1.3	13
27	Primary Extracranial Meningiomas of the Head and Neck. <i>Life</i> , 2021, 11, 942.	2.4	13
28	Difficulty differentiating between a posterior extradural lumbar tumor versus sequestered disc even with gadolinium-enhanced MRI. , 2021, 12, 267.		12
29	Liquid Biopsy in Diagnosis and Prognosis of High-Grade Gliomas; State-of-the-Art and Literature Review. <i>Life</i> , 2022, 12, 407.	2.4	12
30	The Role of 3D-Printed Custom-Made Vertebral Body Implants in the Treatment of Spinal Tumors: A Systematic Review. <i>Life</i> , 2022, 12, 489.	2.4	12
31	The Role of [68Ga]Ga-DOTA-SSTR PET Radiotracers in Brain Tumors: A Systematic Review of the Literature and Ongoing Clinical Trials. <i>Cancers</i> , 2022, 14, 2925.	3.7	12
32	Anterior Microsurgical Approach to Ventral Lower Cervical Spine Meningiomas: Indications, Surgical Technique and Long Term Outcome. <i>Technology in Cancer Research and Treatment</i> , 2015, 14, 505-510.	1.9	11
33	Women in Neurosurgery: From a Matter of Fortuitous Occasions Toward a Conscious Choice. <i>World Neurosurgery</i> , 2021, 148, 129-135.	1.3	11
34	Cerebrospinal Fluid Leaks After Anterior Skull Base Trauma: A Systematic Review of the Literature. <i>World Neurosurgery</i> , 2022, 157, 193-206.e2.	1.3	11
35	Perimedullary arteriovenous fistulas of the craniovertebral junction: A systematic review. <i>Journal of Craniovertebral Junction and Spine</i> , 2020, 11, 157.	0.8	11
36	Endocrine disorders after primary gamma knife radiosurgery for pituitary adenomas: A systematic review and meta-analysis. <i>Pituitary</i> , 2022, 25, 404-419.	2.9	11

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37	Multimodal Simulation of a Novel Device for a Safe and Effective External Ventricular Drain Placement. <i>Frontiers in Neuroscience</i> , 2021, 15, 690705.	2.8	10
38	Intramedullary craniovertebral junction metastasis leading to the diagnosis of underlying renal cell carcinoma. , 2020, 11, 152.		10
39	Mechanical thrombectomy in acute ischemic stroke with tandem occlusions: impact of extracranial carotid lesion etiology on endovascular management and outcome. <i>Neurosurgical Focus</i> , 2021, 51, E6.	2.3	9
40	The Superficial Anastomosing Veins of the Human Brain Cortex: A Microneurosurgical Anatomical Study. <i>Frontiers in Surgery</i> , 2021, 8, 817002.	1.4	9
41	Spontaneous anterior cervicothoracic spinal epidural hematoma extending to clivus in SARS-CoV-2 infection. , 2021, 12, 181.		8
42	The role of hemostatic devices in neurosurgery. A systematic review. <i>Journal of Clinical Neuroscience</i> , 2021, 89, 151-157.	1.5	8
43	Coplanar Indirect-Navigated Intraoperative Ultrasound: Matching Un-navigated Probes With Neuronavigation During Neurosurgical Procedures. How We Do It. <i>Operative Neurosurgery</i> , 2021, 21, 485-490.	0.8	8
44	Intradural lumbar disc herniations at the L1â€“L2 level: A case study and literature review. , 2020, 11, 67.		8
45	Management of Spinal Bone Metastases With Radiofrequency Ablation, Vertebral Reinforcement and Transpedicular Fixation: A Retrospective Single-Center Case Series. <i>Frontiers in Oncology</i> , 2021, 11, 818760.	2.8	8
46	Spinal Tractography as a Potential Prognostic Tool in Spinal Cord Injury: A Systematic Review. <i>World Neurosurgery</i> , 2022, 164, 25-32.	1.3	8
47	Posttraumatic Triple Acute Epidural Hematomas: First Report of Bilateral Synchronous Epidural Hematoma and a Third Delayed. <i>World Neurosurgery</i> , 2020, 133, 212-215.	1.3	7
48	Giant cystic brain metastasis from ovarian papillary serous adenocarcinoma: Case report and review of the literature. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2020, 20, 100668.	0.3	7
49	Minimally invasive percutaneous anterior odontoid screw fixation: institutional experience with a simple and effective technique. <i>Journal of Neurosurgical Sciences</i> , 2020, , .	0.6	7
50	Primary sellar neuroblastoma mimicking invasive pituitary adenoma: a systematic review. <i>Journal of Neurosurgical Sciences</i> , 2020, 64, 377-382.	0.6	7
51	Cauda equina syndrome caused by lumbar leptomeningeal metastases from lung adenocarcinoma mimicking a schwannoma. , 2020, 11, 225.		7
52	Posterior epidural intervertebral disc migration and sequestration: A systematic review. <i>Journal of Clinical Neuroscience</i> , 2022, 98, 115-126.	1.5	7
53	The Palliative Care in the Metastatic Spinal Tumors. A Systematic Review on the Radiotherapy and Surgical Perspective. <i>Life</i> , 2022, 12, 571.	2.4	7
54	Gliomas Infiltrating the Corpus Callosum: A Systematic Review of the Literature. <i>Cancers</i> , 2022, 14, 2507.	3.7	7

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55	Spontaneous sacral fracture with associated acrometastasis of the hand. , 2021, 12, 534.		6
56	Primary Paraganglioma of the Spine: A Systematic Review of Clinical Features and Surgical Management in Cauda Equina vs Non-Cauda Equina Lesions. World Neurosurgery, 2022, , .	1.3	6
57	Intradural Cauda Equina Metastases: A Systematic Review of Clinico-radiological Features, Management, and Treatment Outcomes. Anticancer Research, 2022, 42, 1661-1669.	1.1	6
58	Surgical Management of Craniovertebral Junction Schwannomas: A Systematic Review. Current Oncology, 2022, 29, 4842-4855.	2.2	6
59	Metastases in the Pineal Region: A Systematic Review of Clinical Features, Management Strategies, and Survival Outcomes. World Neurosurgery, 2022, , .	1.3	5
60	Evaluating the Optimal Management of Inoperable Giant Cell Tumors of the Spine: A Systematic Review and Meta-Analysis. Cancers, 2022, 14, 937.	3.7	5
61	Factors Affecting Neurosurgeons' Decisions to Forgo Life-Sustaining Treatments After Traumatic Brain Injury. World Neurosurgery, 2022, 159, e311-e323.	1.3	5
62	Spinal Cord Stimulation to Treat Unresponsive Cancer Pain: A Possible Solution in Palliative Oncological Therapy. Life, 2022, 12, 554.	2.4	5
63	A Review of Remote Intracerebral Hemorrhage after Chronic Subdural Hematoma Evacuation. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2022, 83, 368-376.	0.8	5
64	Extra-Neural Metastases From Primary Intracranial Ependymomas: A Systematic Review. Frontiers in Oncology, 2022, 12, 831016.	2.8	5
65	White Cord Syndrome After Cervical or Thoracic Spinal Cord Decompression. Hemodynamic Complication or Mechanical Damage? An Underestimated Nosographic Entity. World Neurosurgery, 2022, 164, 243-250.	1.3	5
66	Spontaneous Subgaleal Abscess Associated with Lung Adenocarcinoma: FirstÂDescription of This Unusual Association. World Neurosurgery, 2019, 131, 133-136.	1.3	4
67	Use of Gelatin-thrombin Hemostatic Matrix for Control of Ruptured Cerebral Aneurysm. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2021, , .	0.8	4
68	Perforating Arteries of the Lemniscal Trigone: A Microsurgical Neuroanatomic Description. Frontiers in Neuroanatomy, 2021, 15, 675313.	1.7	4
69	Evaluating the Impact of Intraoperative MRI in Neuro-Oncology by Scientometric Analysis. Life, 2022, 12, 175.	2.4	4
70	Evaluation of Surgical Cleavage Plane by Preoperative Magnetic Resonance Imaging Findings in Adult Intracranial Meningiomas. Life, 2022, 12, 473.	2.4	4
71	Primary Intraosseous Osteolytic Meningioma with Aggressive Clinical Behaviour: Clinico-Pathologic Correlation and Proposed New Clinical Classification. Life, 2022, 12, 548.	2.4	4
72	Thoracic Spinal Angiolipomas: A Systematic Review. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2022, 83, 161-172.	0.8	4

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73	Radiotherapy in Current Neuro-Oncology: There Is Still Much to Reveal. <i>Life</i> , 2021, 11, 1412.	2.4	4
74	Diffuse cerebral angiomatosis associated to basilar apex aneurysm. <i>British Journal of Neurosurgery</i> , 2023, 37, 1215-1219.	0.8	3
75	In Reply: Rongeurs, Neurosurgeons, and COVID-19: How Do We Protect Health Care Personnel During Neurosurgical Operations in the Midst of Aerosol-Generation From High-Speed Drills?. <i>Neurosurgery</i> , 2020, 87, E166-E166.	1.1	3
76	Diamond-Shaped Mini-Craniotomy: A New Concept in Neurosurgery. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2022, 83, 236-241.	0.8	3
77	Chronic Kidney disease and stroke: A Bi-directional risk cascade and therapeutic update. <i>Brain Disorders</i> , 2021, 3, 100017.	1.7	3
78	Thoracic spinal extradural arachnoid cyst: A case report and literature review. , 2022, 13, 55.		3
79	Aneurysmal bone cyst of the spine in adult patients: A systematic review and comparison of primary vs secondary lesions. <i>Journal of Clinical Neuroscience</i> , 2022, 100, 15-22.	1.5	3
80	Endovascular and Antithrombotic Treatment in Blunt Cerebrovascular Injuries: A Systematic Review and Meta-Analysis. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2022, 31, 106456.	1.6	3
81	Spinal Hydatidosis Relapse: A Case Report. <i>Case Reports in Orthopedics</i> , 2014, 2014, 1-6.	0.3	2
82	Cervical radiculopathy as first presentation of CD3-positive diffuse large B-cell lymphoma of the cervico-thoracic junction. <i>British Journal of Neurosurgery</i> , 2023, 37, 1190-1193.	0.8	2
83	Letter to the Editor Regarding "Normal Pressure Hydrocephalus and Parkinsonism: Preliminary Data on Neurosurgical and Neurological Treatment". <i>World Neurosurgery</i> , 2020, 140, 434-435.	1.3	2
84	Repair of a spinal pseudomeningocele in a delayed postsurgical cerebrospinal fluid leak using titanium U-clips: Technical note. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2020, 21, 100742.	0.3	2
85	Letter to the Editor Regarding "Rare Thymoma Metastases to the Spine: Case Reports and Review of the Literature". <i>World Neurosurgery</i> , 2020, 138, 567-569.	1.3	2
86	Letter to the Editor Regarding "First Report of Extrapinal Lead Migration Along a Thoracic Spinal Nerve After Spinal Cord Stimulation". <i>World Neurosurgery</i> , 2021, 145, 536-537.	1.3	2
87	Roy-Camille Type 3 suicidal jumper's fractures: Case series and review of the literature. <i>Journal of Craniovertebral Junction and Spine</i> , 2021, 12, 149.	0.8	2
88	Purely Intraventricular Desmoplastic Infantile Astrocytoma. <i>Journal of Pediatric Neurology</i> , 0, , .	0.2	2
89	Chronic encapsulated intracerebral hematomas: a systematic review. <i>British Journal of Neurosurgery</i> , 2023, 37, 1000-1005.	0.8	2
90	Advanced or Metastatic Cutaneous Squamous Cell Carcinoma: The Current and Future Role of Radiation Therapy in the Era of Immunotherapy. <i>Cancers</i> , 2022, 14, 1871.	3.7	2

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91	Anterior Microsurgical Approach to Ventral Lower Cervical Spine Meningiomas. <i>Technology in Cancer Research and Treatment</i> , 2015, 14, 505-510.	1.9	1
92	In Reply: Neurosurgery and Coronavirus (COVID-19) Epidemic: Doing Our Part. <i>Neurosurgery Open</i> , 2020, 1, okaa011.	0.2	1
93	Vertebrobasilar Dolichoectasia, Hypoplastic Third Ventricle, and Related Biventricular Hydrocephalus: Case Report and Review of the Literature. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2021, , .	0.8	1
94	Neurosurgical post-operative complications with incidental life-saving findings. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2021, 24, 101088.	0.3	1
95	The Boundless World of Cranioplasty: A Multicenter Retrospective Study and Therapeutic Flow-Chart Patient-Specific Based. <i>Journal of Craniofacial Surgery</i> , 2021, 32, 2758-2762.	0.7	1
96	Primary spinal Burkittâ€™s lymphoma: Case report and literature review. , 2021, 12, 387.		1
97	Rare spondylodiscitis due to <i>Mycobacterium mucogenicum</i> . , 2020, 11, 289.		1
98	Adult Spinal Hamartoma Involving Conus Medullaris: Brief Review About Associated Congenital Abnormalities and Surgical Outcome. <i>International Journal of Medical Arts</i> , 2021, 3, 1556-1561.	0.1	1
99	Intracranial Venous Alteration in Patients With Aneurysmal Subarachnoid Hemorrhage: Protocol for the Prospective and Observational SAH Multicenter Study (SMS). <i>Frontiers in Surgery</i> , 2022, 9, 847429.	1.4	1
100	Lumbar Spinous Processâ€™Splitting Technique for Ligamentum Flavum Cyst Removal. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2021, 0, .	0.8	1
101	Spinal epidural abscess due to acute pyelonephritis. , 2022, 13, 159.		1
102	Adult-Onset Pilocytic Astrocytoma Predilecting Temporal Lobe: A Brief Review. <i>Life</i> , 2022, 12, 931.	2.4	1
103	The one-step edge-to-edge technique in ventriculoperitoneal shunt. <i>British Journal of Neurosurgery</i> , 2020, , 1-3.	0.8	0
104	In Reply to the Letter to the Editor Regarding â€™Females in Neurosurgery: from a Matter of Fortuitous Occasions Towards a Conscious Choiceâ€™. <i>World Neurosurgery</i> , 2021, 150, 244.	1.3	0
105	Dural splitting reconstruction in retethering after lipomeningocele repair: Technical note. , 2021, 12, 422.		0
106	Delayed brain reexpansion in schizophrenic patient affected by trabecular type chronic subdural hematoma. , 2021, 12, 442.		0
107	Thoracic dumbbell spinal chordoma mimicking a schwannoma. , 2021, 12, 497.		0
108	Petro-Clival Tumours: Role and Indications of Transoral and Transsphenoidal Approaches Followed by Hypofractionated Stereotactic Radiotherapy. <i>Journal of Minimally Invasive Surgical Sciences</i> , 2016, 5, .	0.1	0

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109	Letter to the Editor Regarding "Possible Prognostic Role of Magnetic Resonance Imaging Findings in Patients with Trigeminal Neuralgia and Multiple Sclerosis who Underwent Percutaneous Balloon Compression: Report of Our Series and Literature Review". World Neurosurgery, 2020, 136, 433-434.	1.3	0
110	Intercostal Nerve Schwannoma As a Rare Cause of Refractory Mid Back Pain. International Journal of Medical Arts, 2021, 3, 1494-1499.	0.1	0
111	Spontaneous intracerebral pseudoaneurysm rupture and meningiomatosis: A case report and review of the literature. , 2022, 13, 23.		0
112	Primary Chondrosarcomas of the Skull Base: A Systematic Review. Journal of Neurological Surgery, Part B: Skull Base, 2022, 83, .	0.8	0
113	Neuroendoscopic Navigated One-Step Removal of Crossed Ventricular Catheter Fragments: Technical Note. Journal of Pediatric Neurology, 0, , .	0.2	0