Mario Ganau

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26 1,148 19 124 h-index g-index citations papers 1,589 4.83 139 2.5 avg, IF L-index ext. citations ext. papers

#	Paper	IF	Citations
124	Significant Predictors of Outcome Following Surgery for the Treatment of Degenerative Cervical Myelopathy: A Systematic Review of the Literature. <i>Neurosurgery Clinics of North America</i> , 2018 , 29, 1	15-427.	e35 ²
123	Surgical treatment of high-grade gliomas in motor areas. The impact of different supportive technologies: a 171-patient series. <i>Journal of Neuro-Oncology</i> , 2010 , 100, 417-26	4.8	47
122	Autologous fibrin sealant (Vivostat([])) in the neurosurgical practice: Part I: Intracranial surgical procedure. <i>Surgical Neurology International</i> , 2015 , 6, 77	1	33
121	Risk of Deep vein thrombosis in neurosurgery: State of the art on prophylaxis protocols and best clinical practices. <i>Journal of Clinical Neuroscience</i> , 2017 , 45, 60-66	2.2	32
120	Technologies to Optimize the Care of Severe COVID-19 Patients for Health Care Providers Challenged by Limited Resources. <i>Anesthesia and Analgesia</i> , 2020 , 131, 351-364	3.9	32
119	Evolution of Prophylaxis Protocols for Venous Thromboembolism in Neurosurgery: Results from a Prospective Comparative Study on Low-Molecular-Weight Heparin, Elastic Stockings, and Intermittent Pneumatic Compression Devices. <i>World Neurosurgery</i> , 2018 , 109, e510-e516	2.1	31
118	Synovial cysts of the lumbar spinepathological considerations and surgical strategy. <i>Neurologia Medico-Chirurgica</i> , 2013 , 53, 95-102	2.6	28
117	Understanding the Pathological Basis of Neurological Diseases Through Diagnostic Platforms Based on Innovations in Biomedical Engineering: New Concepts and Theranostics Perspectives. <i>Medicines (Basel, Switzerland)</i> , 2018 , 5,	4.1	27
116	Cystic meningioma: radiological, histological, and surgical particularities in 43 patients. <i>Acta Neurochirurgica</i> , 2016 , 158, 1955-64	3	27
115	Differential diagnosis of posterior fossa tumours in children: new insights. <i>Pediatric Radiology</i> , 2018 , 48, 1955-1963	2.8	26
114	Cystic dilation of the ventriculus terminalis. <i>Journal of Neurosurgery: Spine</i> , 2012 , 17, 86-92	2.8	25
113	Surgical decision-making in degenerative cervical myelopathy - Anterior versus posterior approach. Journal of Clinical Neuroscience, 2018 , 58, 7-12	2.2	25
112	Delirium and agitation in traumatic brain injury patients: an update on pathological hypotheses and treatment options. <i>Minerva Anestesiologica</i> , 2018 , 84, 632-640	1.9	23
111	Endonasal Endoscopic Odontoidectomy in Ventral Diseases of the Craniocervical Junction: Results of a Multicenter Experience. <i>World Neurosurgery</i> , 2017 , 106, 382-393	2.1	20
110	Future Directions and New Technologies for the Management of Degenerative Cervical Myelopathy. <i>Neurosurgery Clinics of North America</i> , 2018 , 29, 185-193	4	20
109	Tackling gliomas with nanoformulated antineoplastic drugs: suitability of hyaluronic acid nanoparticles. <i>Clinical and Translational Oncology</i> , 2014 , 16, 220-3	3.6	19
108	Radiosurgical options in neuro-oncology: a review on current tenets and future opportunities. Part II: adjuvant radiobiological tools. <i>Tumori</i> , 2015 , 101, 57-63	1.7	19

(2017-2020)

107	Global Perspectives on Task Shifting and Task Sharing in Neurosurgery. <i>World Neurosurgery: X</i> , 2020 , 6, 100060	2.7	19
106	Management of Gliomas: Overview of the Latest Technological Advancements and Related Behavioral Drawbacks. <i>Behavioural Neurology</i> , 2015 , 2015, 862634	3	18
105	Cervical intramedullary schwannoma: a case report and review of the literature. <i>Rare Tumors</i> , 2009 , 1, e44	1.1	18
104	Enhancing contrast agents and radiotracers performance through hyaluronic acid-coating in neuroradiology and nuclear medicine. <i>Hellenic Journal of Nuclear Medicine</i> , 2017 , 20, 166-168	0.6	17
103	Radiosurgical options in neuro-oncology: a review on current tenets and future opportunities. Part I: therapeutic strategies. <i>Tumori</i> , 2014 , 100, 459-65	1.7	16
102	Cranioplasty with Porous Hydroxyapatite Custom-Made Bone Flap: Results from a Multicenter Study Enrolling 149 Patients Over 15 Years. <i>World Neurosurgery</i> , 2019 , 121, 160-165	2.1	16
101	A DNA-based nano-immunoassay for the label-free detection of glial fibrillary acidic protein in multicell lysates. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 293-300	6	15
100	Current and Future Applications of Biomedical Engineering for Proteomic Profiling: Predictive Biomarkers in Neuro-Traumatology. <i>Medicines (Basel, Switzerland)</i> , 2018 , 5,	4.1	15
99	Radiosurgical Options in Neuro-oncology: A Review on Current Tenets and Future Opportunities. Part I: Therapeutic Strategies. <i>Tumori</i> , 2014 , 100, 459-465	1.7	15
98	Intracranial Solitary Fibrous Tumors: A Heterogeneous Entity with an Uncertain Clinical Behavior. <i>World Neurosurgery</i> , 2019 , 126, e48-e56	2.1	14
97	Dealing with the surgical and medical challenges of penetrating brain injuries. <i>Case Reports in Surgery</i> , 2013 , 2013, 209750	0.5	14
96	Software for hepatic vessel classification: feasibility study for virtual surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2010 , 5, 39-48	3.9	14
95	Syndrome of trephined-underestimated and poorly understood complication after decompressive craniectomy. <i>Ideggyogyaszati Szemle</i> , 2016 , 69, 227-232	0.4	14
94	Surgical preference regarding different materials for custom-made allograft cranioplasty in patients with calvarial defects: Results from an internal audit covering the last 20lyears. <i>Journal of Clinical Neuroscience</i> , 2020 , 74, 98-103	2.2	13
93	How Nanotechnology and Biomedical Engineering Are Supporting the Identification of Predictive Biomarkers in Neuro-Oncology. <i>Medicines (Basel, Switzerland)</i> , 2018 , 5,	4.1	13
92	Challenging New Targets for CNS-HIV Infection. <i>Frontiers in Neurology</i> , 2012 , 3, 43	4.1	13
91	High altitude induced bilateral non-traumatic subdural hematoma. <i>Aviation, Space, and Environmental Medicine</i> , 2012 , 83, 899-901		13
90	Pure endoscopic management of epileptogenic hypothalamic hamartomas. <i>Neurosurgical Review</i> , 2017 , 40, 647-653	3.9	10

89	Influence of incidental dural tears and their primary microendoscopic repairs on surgical outcomes in patients undergoing microendoscopic lumbar surgery. <i>Spine Journal</i> , 2019 , 19, 1559-1565	4	10
88	Multidisciplinary management of an intra-sellar cavernous hemangioma: Case report and review of the literature. <i>Journal of Clinical Neuroscience</i> , 2018 , 52, 135-138	2.2	10
87	Predicting complexity of tumor removal and postoperative outcome in patients with high-grade gliomas. <i>Neurosurgical Review</i> , 2018 , 41, 371-373	3.9	10
86	Vertebro-basilar junction aneurysms: a single centre experience and meta-analysis of endovascular treatments. <i>Neuroradiology Journal</i> , 2014 , 27, 732-41	2	10
85	Postoperative aseptic intracranial granuloma: the possible influence of fluid hemostatics. <i>Case Reports in Surgery</i> , 2012 , 2012, 614321	0.5	10
84	A pragmatic approach to intravenous anaesthetics and electroencephalographic endpoints for the treatment of refractory and super-refractory status epilepticus in critical care. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020 , 75, 153-164	3.2	10
83	Endovascular versus surgical treatment for improvement of oculomotor nerve palsy caused by unruptured posterior communicating artery aneurysms. <i>Journal of NeuroInterventional Surgery</i> , 2020 , 12, 964-967	7.8	10
82	Neuro-Ophthalmological Manifestations Of Septo-Optic Dysplasia: Current Perspectives. <i>Eye and Brain</i> , 2019 , 11, 37-47	5.7	9
81	Clinical and radiological aspects of cerebellopontine neurinoma presenting with recurrent spontaneous bleedings. <i>Surgical Neurology International</i> , 2013 , 4, 67	1	8
80	The Endonasal Endoscopic Approach to Pathologies of the Anterior Craniocervical Junction: Analytical Review of Cases Treated at Four European Neurosurgical Centres. <i>Acta Neurochirurgica Supplementum</i> , 2019 , 125, 187-195	1.7	8
79	Primary Endoscopic Endonasal Management of Giant Pituitary Adenomas: Outcome and Pitfalls from a Large Prospective Multicenter Experience. <i>Cancers</i> , 2021 , 13,	6.6	8
78	Radiological diagnosis of the inner ear malformations in children with sensorineural hearing loss. <i>BJR</i> <i>Open</i> , 2019 , 1, 20180050	1.4	7
77	Letter: Advanced Hemostatics in the Management of Cerebral Dural Sinus Lacerations. <i>Neurosurgery</i> , 2015 , 77, E670-3	3.2	7
76	Excision of synovial cysts: pathology matters. <i>Journal of Neurosurgery: Spine</i> , 2013 , 19, 266-7	2.8	7
75	Trigeminal neuralgia: successful antiepileptic drug combination therapy in three refractory cases. Drug, Healthcare and Patient Safety, 2011 , 3, 43-5	1.6	7
74	The role of endoscopic endonasal approach in the multimodal management of giant pituitary adenoma: Case report and literature review. <i>Journal of Innovative Optical Health Sciences</i> , 2018 , 13, 888	1.2	7
73	Comparison of the Asleep-Awake-Asleep Technique and Monitored Anesthesia Care During Awake Craniotomy: A Systematic Review and Meta-analysis. <i>Journal of Neurosurgical Anesthesiology</i> , 2022 , 34, e1-e13	3	7
72	Primary Endoscopic Management of Apoplexy in a Giant Pituitary Adenoma. <i>World Neurosurgery</i> , 2020 , 142, 312-313	2.1	7

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71	Public Engagement: Preliminary Results and Review of the Literature. <i>Emergency Medicine International</i> , 2019 , 2019, 9101235	1.4	7
70	Does Posterior Scoliosis Correction Improve Respiratory Function in Adolescent Idiopathic Scoliosis? A Systematic Review and Meta-analysis. <i>Global Spine Journal</i> , 2019 , 9, 866-873	2.7	7
69	Retrosigmoid Approach: Investigating the Role of a C-Shaped Skin Incision and Muscle Flaps in Improving Functional Outcome and Reducing Postoperative Pain. <i>World Neurosurgery</i> , 2018 , 111, e340-	e ² 347	6
68	Letter: Early Cranioplasty is Associated With Greater Neurological Improvement: A Systematic Review and Meta-Analysis. <i>Neurosurgery</i> , 2018 , 83, E87-E89	3.2	6
67	Intracranial Metastases from Prostate Carcinoma: Classification, Management, and Prognostication. <i>World Neurosurgery</i> , 2020 , 134, e559-e565	2.1	6
66	Biopsying a spinal cord lesion: A diagnostic dilemma. Case report and review of literature. <i>Neurochirurgie</i> , 2018 , 64, 425-430	1.4	6
65	Which neuroimaging techniques are really needed in Chiari I? A short guide for radiologists and clinicians. <i>Childis Nervous System</i> , 2019 , 35, 1801-1808	1.7	5
64	The Transcallosal Anterior Interfoniceal Approach: A Microsurgical Anatomy Study. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2015 , 76, 183-8	1.5	5
63	Complex developmental abnormality of the atlas mimicking a Jefferson fracture: Diagnostic tips and tricks. <i>Journal of Emergencies, Trauma and Shock</i> , 2013 , 6, 47-9	1.2	5
62	First Report of a Multicenter Prospective Registry of Cranioplasty in the United Kingdom and Ireland. <i>Neurosurgery</i> , 2021 , 89, 518-526	3.2	5
61	Neurosurgical Care of Nonpowder Firearm Injuries: A Narrative Review of the Literature. <i>Emergency Medicine International</i> , 2019 , 2019, 4680184	1.4	5
60	Inter-rater Reliability of the Modified Japanese Orthopedic Association Score in Degenerative Cervical Myelopathy: A Cross-sectional Study. <i>Spine</i> , 2021 , 46, 1063-1069	3.3	5
59	Central nervous system aspergillosis resembling haemorrhagic brain infarct in a paediatric leukaemia patient. <i>British Journal of Haematology</i> , 2017 , 178, 642-645	4.5	4
58	Relapsing-Remitting Hepatic Pseudo-Cyst: A great simulator of malfunctioning ventriculoperitoneal shunt. Case report and proposal of a new classification. <i>Neurochirurgie</i> , 2020 , 66, 461-465	1.4	4
57	Neuroradiological findings in three cases of pontocerebellar hypoplasia type 9 due to mutation: typical MRI appearances and pearls for differential diagnosis. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019 , 9, 1966-1972	3.6	4
56	The continuous quest for a more tailored approach to anesthetic management of patients undergoing endovascular therapy for acute stroke. <i>Journal of NeuroInterventional Surgery</i> , 2021 , 13, e2	7.8	4
55	Mismatch between Tissue Partial Oxygen Pressure and Near-Infrared Spectroscopy Neuromonitoring of Tissue Respiration in Acute Brain Trauma: The Rationale for Implementing a Multimodal Monitoring Strategy. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
54	Ring-enhancing lesions in neonatal meningitis: an analysis of neuroradiology pitfalls through exemplificative cases and a review of the literature. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018 , 8, 333-341	3.6	4

53	Teaching NeuroImages: Radiologic features of septo-optic dysplasia plus syndrome. <i>Neurology</i> , 2018 , 91, e2200-e2201	6.5	4
52	Letter to the Editor: "Investing in Teaching Research Skills to Residents in Neurosurgery During the COVID-19 Pandemic". <i>World Neurosurgery</i> , 2021 , 145, 519-520	2.1	4
51	Primary Brain Rhabdomyosarcoma Causing Extracranial Metastases: Case Report with Narrative Review of Atypical Presentations and Their Diagnostic Challenges. <i>World Neurosurgery</i> , 2020 , 138, 363-3	3 68	3
50	Neuroimaging Findings in Lysosomal Disorders: 2018 Update. <i>Topics in Magnetic Resonance Imaging</i> , 2018 , 27, 259-274	2.3	3
49	Paratrigonal choroid plexus papilloma presenting with satellite multiple supra- and infratentorial hemorrhages. Neuroanatomical basis and pathological hypothesis. <i>International Journal of Surgery Case Reports</i> , 2013 , 4, 239-42	0.8	3
48	Commercializing Nanomedicine		3
47	A Pilot Study of Percutaneous Interlaminar Endoscopic Lumbar Sequestrectomy: A Modern Strategy to Tackle Medically-Refractory Radiculopathies and Restore Spinal Function. <i>Neurospine</i> , 2019 , 16, 120-129	3.1	3
46	An overview of the neurosurgical implications, pathophysiology, diagnosis and recent treatment strategies for Grade IV idiopathic osteolysis, also known as Gorham-Stout or phantom bone disease. <i>Hellenic Journal of Nuclear Medicine</i> , 2018 , 21, 198-201	0.6	3
45	Images in Neuroscience: Calvarial hyperostosis associated with multiple intracranial tumours. Journal of Clinical Neuroscience, 2018,	2.2	2
44	Primary Gliosarcoma of the Cerebellum in a Young Pregnant Woman: Management Challenges and Immunohistochemical Features. <i>Case Reports in Surgery</i> , 2019 , 2019, 7105361	0.5	2
43	The Role of Endoscopic Endonasal Approach in the Multimodal Management of Giant Pituitary Adenoma: Case Report and Literature Review. <i>Journal of Innovative Optical Health Sciences</i> , 2018 , 13, 888-892	1.2	2
42	COVID-legal study: neurosurgeon experience in Britain during the first phase of the COVID-19 pandemic - medico-legal considerations. <i>British Journal of Neurosurgery</i> , 2021 , 1-4	1	2
41	Endoscopic Transorbital Approaches to Anterior and Middle Cranial Fossa: Exploring the Potentialities of a Modified Lateral Retrocanthal Approach. <i>World Neurosurgery</i> , 2021 , 150, e74-e80	2.1	2
40	Odontoid Type II fractures in elderly: what are the real management goals and how to best achieve them? A multicenter European study on functional outcome. <i>Neurosurgical Review</i> , 2021 , 1	3.9	2
39	Mechanical thrombectomy in a pediatric patient with sedation aided by contralateral intra-arterial propofol injection: feasibility in an extreme condition. <i>Childis Nervous System</i> , 2021 , 37, 1785-1789	1.7	2
38	A simple mathematical tool to forecast COVID-19 cumulative case numbers. <i>Clinical Epidemiology and Global Health</i> , 2021 , 12, 100853	1.8	2
37	Septo-optic dysplasia. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2021 , 181, 51-64	3	2
36	Rare encounters: Primary pineal malignant melanoma with lepto-meningeal spread. Case report and literature review on management challenges and outcomes. <i>Journal of Clinical Neuroscience</i> , 2019 , 65, 161-165	2.2	1

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35	Vertebrobasilar junction giant aneurysm: Lessons learned from a neurosurgical audit and anatomical investigation. <i>British Journal of Neurosurgery</i> , 2015 , 29, 718-22	1	1
34	Endoscopic Transorbital Approaches to Anterior and Middle Cranial Fossa: A Laboratory Investigation on Surgical Anatomy and Potential Routes <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2021 , 82, 443-449	1.5	1
33	Recovery from hemianopsia after surgical removal of spontaneous occipital haemorrhage. <i>British Journal of Neurosurgery</i> , 2010 , 24, 205-7	1	1
32	Impact of the Extent of Microsurgical Resection in Sphenopetro-clival Meningiomas Trough a Multistaged Approach: A Volumetric Analysis. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2021 , 82, 615-623	1.5	1
31	Pushing the boundaries of accuracy and reliability during stereotactic procedures: A prospective study on 526 biopsies comparing the frameless robotic and Image-Guided Surgery systems <i>Journal of Clinical Neuroscience</i> , 2021 , 95, 203-212	2.2	1
30	Coagulation Disorders After Central Nervous System Injury 2012 , 227-236		1
29	Cervical myelopathy caused by ventrally located atlanto-axial synovial cysts: An open quest for the safest and most effective surgical management. Case series and systematic review of the literature. <i>Neurochirurgie</i> , 2020 , 66, 447-454	1.4	1
28	Postoperative Distal Coronal Decompensation After Fusion to L3 for Adolescent Idiopathic Scoliosis Is Affected by Sagittal Pelvic Parameters. <i>Spine</i> , 2020 , 45, E1416-E1420	3.3	1
27	Management Challenges of Metastatic Spinal Cord Compression in Pregnancy. <i>Case Reports in Surgery</i> , 2020 , 2020, 8891021	0.5	1
26	Managing Incomplete and Complete Thoracolumbar Burst Fractures (AO Spine A3 and A4). Results from a Prospective Single-Center Study Comparing Posterior Percutaneous Instrumentation plus Mini-Open Anterolateral Fusion versus Single-Stage Posterior Instrumented Fusion. <i>World</i>	2.1	1
25	Intensive therapies of delayed cerebral ischemia after subarachnoid hemorrhage: a propensity-matched comparison of different center-driven strategies. <i>Acta Neurochirurgica</i> , 2021 , 163, 2723-2731	3	1
24	Unequal Impact of COVID-19 on Private and Academic Neurosurgical Workforce: Results of an International Survey. <i>Frontiers in Surgery</i> , 2021 , 8, 749399	2.3	1
23	Pitfalls regarding the neurosurgical management of traumatic supra and infratentorial extradural haematomas. <i>Neurosurgical Review</i> , 2021 , 44, 2959-2961	3.9	1
22	A scoping review on the challenges, improvement programs, and relevant output metrics for neurotrauma services in major trauma centers. 2022 , 13, 171		1
21	Improving Gender Equality in the Surgical Workplace. <i>JAMA Surgery</i> , 2020 , 155, 448-449	5.4	O
20	Functional Anatomy of the Spinal Cord 2019 , 3-12		O
19	Letter to the Editor. Academic rank achievement by gender. Journal of Neurosurgery, 2020, 1-3	3.2	О
18	Clinical Significance of Isolated Third Cranial Nerve Palsy in Traumatic Brain Injury: A Detailed Description of Four Different Mechanisms of Injury through the Analysis of Our Case Series and Review of the Literature. <i>Emergency Medicine International</i> , 2021 , 2021, 5550371	1.4	О

17	Pre-operative imaging and post-operative appearance of standard paediatric neurosurgical approaches: a training guide for neuroradiologists. <i>Translational Pediatrics</i> , 2021 , 10, 1231-1243	4.2	О
16	Letter to the Editor. Randomized controlled trials on anterior versus posterior surgical decompression for degenerative cervical myelopathy. <i>Journal of Neurosurgery: Spine</i> , 2021 , 1-3	2.8	O
15	Toxicology of Psychoactive Substances. Critical Care Clinics, 2021, 37, 517-541	4.5	О
14	Prognostic Value of Age and Early Magnetic Resonance Imaging in Patients with Cervical Subaxial Spinal Cord Injuries. <i>Neurology India</i> , 2020 , 68, 1345-1350	0.7	О
13	Letter to the Editor concerning "Osteoporotic thoracolumbar compression fractures: long-term retrospective comparison between vertebroplasty and conservative treatment" by K. Martikos et al. [Eur Spine J (2018) doi: 10.1007/s00586-018-5605-1]. European Spine Journal, 2018, 27, 1662-1663	2.7	
12	Emergency endovascular treatment of petrous carotid artery false aneurysm. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2015 , 2, 21-25	0.5	
11	Proteomic Profiling and Predictive Biomarkers in Neuro-Traumatology and Neuro-Oncology 2020 , 609	-625	
10	Early and ultra-early surgical decompression for acute spinal cord injury: bracing for the winds of change. <i>European Spine Journal</i> , 2021 , 1	2.7	
9	Immunotherapy for Gliomas and Other Intracranial Malignancies 2019, 643-656		
8	Proteomic Profiling and Predictive Biomarkers in Neuro-Traumatology and Neuro-Oncology 2019 , 609	-625	
7	In Reply: Neurosurgery and Coronavirus (COVID-19) Epidemic: Doing Our Part. <i>Neurosurgery Open</i> , 2020 , 1, okaa011	1	
6	In Response. <i>Anesthesia and Analgesia</i> , 2020 , 131, e193-e195	3.9	
5	Natural History, Neuroradiological Workup, and Management Options of Chronic Atlantoaxial Rotatory Fixation Caused by Drug-Induced Cervical Dystonia. <i>Case Reports in Orthopedics</i> , 2021 , 2021, 6683268	0.4	
4	Posterior fossa dural arteriovenous fistula presenting as Rhead-turning syncopeRa case report. <i>Acta Neurologica Belgica</i> , 2021 , 1	1.5	
3	Letter: A Scoping Review of Registered Clinical Studies on Mild Traumatic Brain Injury and Concussion (2000-2019). <i>Neurosurgery</i> , 2021 , 89, E178-E179	3.2	
2	Complications of Surgery at the Craniocervical Junction 2019 , 298-303		
1	Dose related acute behavioral and neurochemical profile of pioglitazone. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2021 , 34, 615-620	0.4	