Barbara Buffoli

List of Publications by Year
in descending order

58 papers	1,476 citations	331259 21 h-index	329751 37 g-index
59 all docs	59 docs citations	59 times ranked	2167 citing authors

#	Article	IF	Citations
1	Growth factors, CD34 positive cells, and fibrin network analysis in concentrated growth factors fraction. Microscopy Research and Technique, 2011, 74, 772-777.	1.2	205
2	Endothelium and Its Alterations in Cardiovascular Diseases: Life Style Intervention. BioMed Research International, 2014, 2014, 1-28.	0.9	183
3	The human hair: from anatomy to physiology. International Journal of Dermatology, 2014, 53, 331-341.	0.5	111
4	Protective role of melatonin in cyclosporine A-induced oxidative stress in rat liver. International Immunopharmacology, 2005, 5, 1397-1405.	1.7	64
5	Modulation of Reactive Oxygen Species Production During Osmotic Stress in Arabidopsis thaliana Cultured Cells: Involvement of the Plasma Membrane Ca2+-ATPase and H+-ATPase. Plant and Cell Physiology, 2005, 46, 1326-1339.	1.5	59
6	Melatonin: Protection against age-related cardiac pathology. Ageing Research Reviews, 2017, 35, 336-349.	5.0	58
7	Provinol Prevents CsA-induced Nephrotoxicity by Reducing Reactive Oxygen Species, iNOS, and NF-kB Expression. Journal of Histochemistry and Cytochemistry, 2005, 53, 1459-1468.	1.3	49
8	Pituitary Adenomas and Invasiveness from Anatomo-Surgical, Radiological, and Histological Perspectives: A Systematic Literature Review. Cancers, 2019, 11, 1936.	1.7	43
9	Transorbital endoscopic approaches to the skull base: a systematic literature review and anatomical description. Neurosurgical Review, 2021, 44, 2857-2878.	1.2	39
10	Beneficial Effects of Concentrated Growth Factors and Resveratrol on Human Osteoblasts In Vitro Treated with Bisphosphonates. BioMed Research International, 2018, 2018, 1-13.	0.9	36
11	The protective effect of caffeic acid phenethyl ester against cyclosporine A-induced cardiotoxicity in rats. Toxicology, 2005, 212, 155-164.	2.0	35
12	AM404, an inhibitor of anandamide reuptake decreases Fos-immunoreactivity in the spinal cord of neuropathic rats after non-noxious stimulation. European Journal of Pharmacology, 2005, 508, 139-146.	1.7	33
13	Change in Renal Heme Oxygenase Expression in Cyclosporine A-induced Injury. Journal of Histochemistry and Cytochemistry, 2005, 53, 105-112.	1.3	26
14	Chronic constriction injury induces aquaporinâ€2 expression in the dorsal root ganglia of rats. Journal of Anatomy, 2009, 215, 498-505.	0.9	26
15	Anterior superior alveolar nerve injury after extended endoscopic medial maxillectomy: a preclinical study to predict neurological morbidity. International Forum of Allergy and Rhinology, 2017, 7, 1014-1021.	1.5	25
16	Aquaporin Biology and Nervous System. Current Neuropharmacology, 2010, 8, 97-104.	1.4	24
17	Biological Characterization and In Vitro Effects of Human Concentrated Growth Factor Preparation: An Innovative Approach to Tissue Regeneration. Biology and Medicine (Aligarh), 2015, 07, .	0.3	24
18	Growth Factors Release From Concentrated Growth Factors: Effect of Î²-Tricalcium Phosphate Addition. Journal of Craniofacial Surgery, 2018, 29, 2291-2295.	0.3	24

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19	Transnasal Endoscopic and Lateral Approaches to the Clivus: A Quantitative Anatomic Study. World Neurosurgery, 2018, 113, e659-e671.	0.7	23
20	Modular Classification of Endoscopic Endonasal Transsphenoidal Approaches to Sellar Region: Anatomic Quantitative Study. World Neurosurgery, 2018, 109, e281-e291.	0.7	23
21	Side-Door Temporoparietal Fascia Flap: A Novel Strategy for Anterior Skull Base Reconstruction. World Neurosurgery, 2019, 126, e360-e370.	0.7	23
22	In vitro treatment with concentrated growth factors (CGF) and sodium orthosilicate positively affects cell renewal in three different human cell lines. Cell Biology International, 2018, 42, 353-364.	1.4	22
23	Ophthalmic artery originating from the anterior cerebral artery: anatomo-radiological study, histological analysis, and literature review. Neurosurgical Review, 2016, 39, 483-493.	1.2	21
24	How the different material and shape of the blood collection tube influences the Concentrated Growth Factors production. Microscopy Research and Technique, 2016, 79, 1173-1178.	1.2	21
25	Behavioral Characterization of Mouse Models of Neuroferritinopathy. PLoS ONE, 2015, 10, e0118990.	1.1	20
26	Silicic acid in drinking water prevents age-related alterations in the endothelium-dependent vascular relaxation modulating eNOS and AQP1 expression in experimental mice: An immunohistochemical study. Acta Histochemica, 2013, 115, 418-424.	0.9	19
27	Single Administration of Melatonin Modulates the Nitroxidergic System at the Peripheral Level and Reduces Thermal Nociceptive Hypersensitivity in Neuropathic Rats. International Journal of Molecular Sciences, 2017, 18, 2143.	1.8	19
28	Quantitative Anatomical Comparison of Anterior, Anterolateral and Lateral, Microsurgical and Endoscopic Approaches to the Middle Cranial Fossa. World Neurosurgery, 2020, 134, e682-e730.	0.7	17
29	Histomorphometrical Evaluation of Fresh Frozen Bone Allografts for Alveolar Bone Reconstruction: Preliminary Cases Comparing Femoral Head with Iliac Crest Grafts. Clinical Implant Dentistry and Related Research, 2013, 15, 791-798.	1.6	16
30	Acute mercury exposition of virgin, pregnant, and lactating rats: Histopathological kidney and liver evaluations. Environmental Toxicology, 2017, 32, 1500-1512.	2.1	16
31	The Superior Hypophyseal Arteries: Anatomical Study with an Endoscopic Endonasal Perspective. Operative Neurosurgery, 2019, 17, 321-331.	0.4	14
32	Quantitative anatomical comparison of transnasal and transcranial approaches to the clivus. Acta Neurochirurgica, 2020, 162, 649-660.	0.9	14
33	Cyclosporine A induces vascular fibrosis and heat shock protein expression in rat. International Immunopharmacology, 2005, 5, 169-176.	1.7	11
34	Sodium-DNA for Bone Tissue Regeneration: An Experimental Study in Rat Calvaria. BioMed Research International, 2017, 2017, 1-9.	0.9	11
35	Quantitative Anatomic Comparison of Microsurgical Transcranial, Endoscopic Endonasal, and Transorbital Approaches to the Spheno-Orbital Region. Operative Neurosurgery, 2021, 21, E494-E505.	0.4	11
36	Role of mast cells in wound healing process after glass - fiber composite implant in rats. Journal of Cellular and Molecular Medicine, 2006, 10, 946-954.	1.6	10

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37	Piezoelectric ultrasonic bone surgery system in the extraction surgery of supernumerary teeth. Journal of Cranio-Maxillo-Facial Surgery, 2014, 42, 1577-1582.	0.7	10
38	AQP1 expression in human gingiva and its correlation with periodontal and peri-implant tissue alterations. Acta Histochemica, 2014, 116, 898-904.	0.9	9
39	Anatomical Cadaver Study of Endolaryngeal Vascularization: Focus on the Glottis, Supraglottis, and Subglottis From the Transoral Microsurgical Point of View. Frontiers in Oncology, 2018, 8, 138.	1.3	9
40	Development and validation of a preclinical model for training and assessment of cerebrospinal fluid leak repair in endoscopic skull base surgery. International Forum of Allergy and Rhinology, 2020, 10, 89-96.	1.5	8
41	Retroesophageal right subclavian artery associated with a bicarotid trunk and an ectopic origin of vertebral arteries. Surgical and Radiologic Anatomy, 2021, 43, 1491-1495.	0.6	8
42	Expression of non-muscle myosin heavy chain in rat heart after immunosuppressive treatment. International Immunopharmacology, 2006, 6, 962-967.	1.7	6
43	A new landmark for lingual artery identification during transoral surgery: Anatomicâ€radiologic study. Head and Neck, 2021, 43, 1487-1498.	0.9	5
44	Additive Manufacturing for Personalized Skull Base Reconstruction in Endoscopic Transclival Surgery: A Proof-of-Concept Study. World Neurosurgery, 2021, 155, e439-e452.	0.7	5
45	A Comparative Pilot Study of Two Dental Implant Metals in a Pig Model. Implant Dentistry, 2010, 19, 532-538.	1.7	4
46	Piezosurgical Suturectomy and Sutural Distraction Osteogenesis for the Treatment of Unilateral Coronal Synostosis. Plastic and Reconstructive Surgery - Global Open, 2015, 3, e475.	0.3	4
47	The Terracol and Ardouin developmental model of frontal sinus drainage pathway and surrounding spaces: a radiologic validation. International Forum of Allergy and Rhinology, 2018, 8, 624-630.	1.5	4
48	Step-by-Step Cadaver Dissection and Surgical Technique for Compartmental Tongue and Floor of Mouth Resection. Frontiers in Oncology, 2021, 11, 613945.	1.3	4
49	Endoscopic-assisted multi-portal compartmental resection of the masticatory space in oral cancer: Anatomical study and preliminary clinical experience. Oral Oncology, 2021, 117, 105269.	0.8	4
50	Unusual branch of the lingual artery supplies the infrahyoid muscles. Anatomical Science International, 2020, 95, 153-155.	0.5	3
51	Endoscopic Subtemporal Epidural Key-Hole Approach: Quantitative Anatomic Analysis of Three Surgical Corridors. World Neurosurgery, 2021, 152, e128-e137.	0.7	3
52	Resection of the internal carotid artery in selected patients affected by cancer of the skull base. Head and Neck, 2022, 44, 1030-1042.	0.9	3
53	Assessment of Atlanto-Axial and Mandibular Rotation by Cone Beam Computed Tomography. Journal of Craniofacial Surgery, 2018, 29, 2237-2240.	0.3	2
54	Periodontitis Stage IIIâ€“IV, Grade C and Correlated Factors: A Histomorphometric Study. Biomedicines, 2019, 7, 43.	1.4	2

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55	Peripheral Purinergic Modulation in Pediatric Orofacial Inflammatory Pain Affects Brainstem Nitroxidergic System: A Translational Research. BioMed Research International, 2022, 2022, 1-12.	0.9	2
56	Multiple anatomical variations of the renal vessels associated with malrotated and unrotated kidneys: a case report. Surgical and Radiologic Anatomy, 2015, 37, 1133-1136.	0.6	0
57	Response to Letter to the Editor: Nuancing the role of transorbital endoscopic approaches in skull base surgery. Neurosurgical Review, 2022, 45, 913-914.	1.2	0
58	Development of a cadaveric head and neck cancer model and three-dimensional analysis of margins in surgical navigation-aided ablations. European Journal of Surgical Oncology, 2021, , .	0.5	0