

# Csaba Dobo-Nagy

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

645  
citations

516710

16  
h-index

580821

25  
g-index

42  
all docs

42  
docs citations

42  
times ranked

914  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic and vibrational origins of mechanical toughness in bioactive cement during setting. <i>Nature Communications</i> , 2015, 6, 8631.	12.8	55
2	Freeze-dried human serum albumin improves the adherence and proliferation of mesenchymal stem cells on mineralized human bone allografts. <i>Journal of Orthopaedic Research</i> , 2012, 30, 489-496.	2.3	54
3	A mathematically based classification of root canal curvatures on natural human teeth. <i>Journal of Endodontics</i> , 1995, 21, 557-560.	3.1	50
4	Serum albumin coating of demineralized bone matrix results in stronger new bone formation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 126-132.	3.4	39
5	Serum albumin enhances bone healing in a nonunion femoral defect model in rats: a computer tomography micromorphometry study. <i>International Orthopaedics</i> , 2013, 37, 741-745.	1.9	35
6	Phospholipase C $\beta$ 2 is required for basal but not oestrogen deficiency-induced bone resorption. <i>European Journal of Clinical Investigation</i> , 2012, 42, 49-60.	3.4	34
7	The Phosphoinositide 3-Kinase Isoform PI3K $\beta$ Regulates Osteoclast-Mediated Bone Resorption in Humans and Mice. <i>Arthritis and Rheumatology</i> , 2014, 66, 2210-2221.	5.6	29
8	Difficulties in the diagnosis of periapical translucencies and in the classification of cemento-osseous dysplasia. <i>BMC Oral Health</i> , 2019, 19, 139.	2.3	27
9	A Computerized Method for Mathematical Description of Three-Dimensional Root Canal Axis. <i>Journal of Endodontics</i> , 2000, 26, 639-643.	3.1	26
10	Distortional effect of beam-hardening artefacts on microCT: a simulation study based on an in vitro caries model. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2009, 108, 591-599.	1.4	24
11	Hematopoietic or Osteoclast-Specific Deletion of Syk Leads to Increased Bone Mass in Experimental Mice. <i>Frontiers in Immunology</i> , 2019, 10, 937.	4.8	21
12	Serum albumin-coated bone allograft (BoneAlbumin) results in faster bone formation and mechanically stronger bone in aging rats. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 416-422.	2.7	21
13	Phase separation in an ionomer glass: Insight from calorimetry and phase transitions. <i>Journal of Non-Crystalline Solids</i> , 2015, 415, 24-29.	3.1	19
14	Comparative evaluation of cone-beam CT equipment with micro-CT in the visualization of root canal system. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2012, 48, 49-52.	0.4	19
15	Qualitative assessment of microstructure and Hertzian indentation failure in biocompatible glass ionomer cements. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 677-685.	3.6	18
16	Comparison between Micro-Computed Tomography and Cone-Beam Computed Tomography in the Assessment of Bone Quality and a Long-Term Volumetric Study of the Augmented Sinus Grafted with an Albumin Impregnated Allograft. <i>Journal of Clinical Medicine</i> , 2020, 9, 303.	2.4	17
17	Aminobisphosphonate Stimulates Bone Regeneration and Enforces Consolidation of Titanium Implant into a New Rat Caudal Vertebrae Model. <i>Pathology and Oncology Research</i> , 2009, 15, 567-577.	1.9	16
18	Remineralization of demineralized bone matrix in critical size cranial defects in rats: A 6-month follow-up study. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 1336-1342.	3.4	14

#	ARTICLE	IF	CITATIONS
19	Development and Characterisation of Gastroretentive Solid Dosage Form Based on Melt Foaming. AAPS PharmSciTech, 2019, 20, 290.	3.3	14
20	Cell physiological effects of glass ionomer cements on fibroblast cells. Toxicology in Vitro, 2019, 61, 104627.	2.4	14
21	A comparative study of seven instruments in shaping the root canal in vitro. International Endodontic Journal, 1997, 30, 124-132.	5.0	13
22	Microarchitectural study of the augmented bone following ridge preservation with a porcine xenograft and a collagen membrane: preliminary report of a prospective clinical, histological, and micro-computed tomography analysis. International Journal of Oral and Maxillofacial Surgery, 2017, 46, 250-260.	1.5	12
23	Comparison of Hand and Semiautomatic Tracing Methods for Creating Maxillofacial Artificial Organs using Sequences of Computed Tomography (CT) and Cone Beam Computed Tomography (CBCT) Images. International Journal of Artificial Organs, 2017, 40, 307-312.	1.4	12
24	Significance of the Tks4 scaffold protein in bone tissue homeostasis. Scientific Reports, 2019, 9, 5781.	3.3	11
25	Evaluation of the Histomorphometric and Micromorphometric Performance of a Serum Albumin-Coated Bone Allograft Combined with A-PRF for Early and Conventional Healing Protocols after Maxillary Sinus Augmentation: A Randomized Clinical Trial. Materials, 2021, 14, 1810.	2.9	10
26	Albumin-Impregnated Allograft Filling of Surgical Extraction Sockets Achieves Better Bone Remodeling Than Filling with Either Blood Clot or Bovine Xenograft. International Journal of Oral and Maxillofacial Implants, 2020, 35, 297-304.	1.4	9
27	The influence of root canal shape on the sealing ability of two root canal sealers. International Endodontic Journal, 2006, 39, 282-286.	5.0	8
28	Development of a quantitative preclinical screening model for implant osseointegration in rat tail vertebra. Clinical Oral Investigations, 2019, 23, 2959-2973.	3.0	5
29	Targeted histological evaluation shows high incidence of actinomyces infection in medication-related osteonecrosis of the jaws. Scientific Reports, 2022, 12, 3406.	3.3	5
30	PCR Technique Assisting the Early Diagnosis of Human Papillomavirus A retrospective clinical study. Revista De Chimie (discontinued), 2018, 69, 2781-2787.	0.4	4
31	Measurement of periapical pressure created by occlusal loading. International Endodontic Journal, 2003, 36, 700-704.	5.0	3
32	Endodontic and microsurgical treatments of maxillary lateral incisor dens invaginatus in combination with cone-beam-computed tomography fusion imaging. Oral Radiology, 2017, 33, 147-152.	1.9	2
33	Effectiveness of Parameters in Quantifying Root Canal Morphology Change after Instrumentation with the Aid of a Microcomputed Tomography. BioMed Research International, 2019, 2019, 1-6.	1.9	2
34	High-Grade B-Cell Lymphoma Not Otherwise Specified (HGBL, NOS) in the Maxillary Sinus Mimicking Periapical Inflammation: Case Report and Review of the Literature. Applied Sciences (Switzerland), 2021, 11, 8803.	2.5	1
35	Alveolar Preservation with Albumin and Gentamycin-Coated Allograft after Third Molar Tooth Removal: A Randomized Clinical Trial. Applied Sciences (Switzerland), 2021, 11, 586.	2.5	1
36	Purification and processing of blood-forming tissue units, the haematons, in searching for mammalian stem cell niches. Protocol Exchange, 0, , .	0.3	1

#	ARTICLE	IF	CITATIONS
37	Identification of the Dental Root Canal from Micro-CT Records Using 3D Curve Skeleton Extraction. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6184-6189.	0.4	0
38	Identification of the Root Canal and Its Centreline from Dental Cone Beam CT Records. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1-5.	0.4	0
39	Intelligent Assisting Tools for Endodontic Treatment. , 2019, , .		0
40	Cone-Beam Computed Tomography in Dentomaxillofacial Radiology. , 2020, , .		0
41	Medial Axis Detection from Dental Micro-CT Records. IFMBE Proceedings, 2009, , 1688-1691.	0.3	0
42	Identification of the Root Canal from Dental Micro-CT Records. Lecture Notes in Computer Science, 2011, , 339-346.	1.3	0