

L M Gallo

List of Publications by Year in descending order

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96
papers

2,403
citations

186209

28
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243529

44
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all docs

97
docs citations

97
times ranked

1789
citing authors

#	ARTICLE	IF	CITATIONS
1	Quality of life, chronic pain, insomnia, and jaw malfunction in patients after alloplastic temporomandibular joint replacement: a questionnaire-based pilot study. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2021, 50, 948-955.	0.7	4
2	In Vitro and In Vivo Assessment of a New Workflow for the Acquisition of Mandibular Kinematics Based on Portable Tracking System with Passive Optical Reflective Markers. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3947.	1.3	2
3	Signal acquisition and analysis of ambulatory electromyographic recordings for the assessment of sleep bruxism: A scoping review. <i>Journal of Oral Rehabilitation</i> , 2021, 48, 846-871.	1.3	29
4	In-vivo kinematic assessment of alloplastic temporomandibular joint replacements by means of helical axis: A cohort study with historical control. <i>Journal of Biomechanics</i> , 2021, 122, 110494.	0.9	4
5	Short-term effects of NTI-ss and Michigan splint on nocturnal jaw muscle activity: A pilot study. <i>Clinical and Experimental Dental Research</i> , 2021, 7, 323-330.	0.8	11
6	Temporomandibular Joint Bioengineering Conference: Working Together Toward Improving Clinical Outcomes. <i>Journal of Biomechanical Engineering</i> , 2020, 142, .	0.6	6
7	Influence of bolus size and chewing side on temporomandibular joint intra-articular space during mastication. <i>Medical Engineering and Physics</i> , 2020, 86, 41-46.	0.8	7
8	Towards a Standardized Tool for the Assessment of Bruxism (STAB) – Overview and general remarks of a multidimensional bruxism evaluation system. <i>Journal of Oral Rehabilitation</i> , 2020, 47, 549-556.	1.3	79
9	Tensile Strength and Failure Types of Direct and Indirect Resin Composite Copings for Perio-Overdentures Luted Using Different Adhesive Cementation Modalities. <i>Materials</i> , 2020, 13, 3517.	1.3	4
10	Mechanobehavior and mandibular ramus length in different facial phenotypes. <i>Angle Orthodontist</i> , 2020, 90, 866-872.	1.1	6
11	Alterations of mandibular movement patterns after total joint replacement: a case series of long-term outcomes in patients with total alloplastic temporomandibular joint reconstructions. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2019, 48, 225-232.	0.7	14
12	Effect of Sustained Joint Loading on TMJ Disc Nutrient Environment. <i>Journal of Dental Research</i> , 2019, 98, 888-895.	2.5	11
13	Night-time autonomic nervous system ultradian cycling and masticatory muscle activity. <i>Orthodontics and Craniofacial Research</i> , 2019, 22, 107-112.	1.2	2
14	Functional Anatomy and Biomechanics of the Temporomandibular Joint. , 2019, , 71-88.		1
15	Articular cartilage response to a sliding load using two different-sized spherical indenters 1. <i>Biorheology</i> , 2018, 54, 109-126.	1.2	4
16	Jaw closing movement and sex differences in temporomandibular joint energy densities. <i>Journal of Oral Rehabilitation</i> , 2018, 45, 97-103.	1.3	5
17	Mechanobehavior and Ontogenesis of the Temporomandibular Joint. <i>Journal of Dental Research</i> , 2018, 97, 1185-1192.	2.5	63
18	Displacement of teeth without and with bonded fixed orthodontic retainers: 3D analysis using triangular target frames and optoelectronic motion tracking device. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 85, 175-180.	1.5	5

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19	TMJ energy densities in healthy men and women. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 846-849.	0.6	21
20	Mechanobehavioral Scores in Women with and without TMJ Disc Displacement. <i>Journal of Dental Research</i> , 2017, 96, 895-901.	2.5	21
21	MR imaging of the temporomandibular joint: comparison between acquisitions at 7.0â€‰T using dielectric pads and 3.0â€‰T. <i>Dentomaxillofacial Radiology</i> , 2017, 46, 20160280.	1.3	11
22	Alloplastic total temporomandibular joint replacements: do they perform like natural joints? Prospective cohort study with a historical control. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2016, 45, 1213-1221.	0.7	31
23	The influence of the human TMJ eminence inclination on predicted masticatory muscle forces. <i>Human Movement Science</i> , 2016, 49, 132-140.	0.6	7
24	Comparison of a 32-channel head coil and a 2-channel surface coil for MR imaging of the temporomandibular joint at 3.0â€‰T. <i>Dentomaxillofacial Radiology</i> , 2016, 45, 20150420.	1.3	11
25	A Model to Study Articular Cartilage Mechanical and Biological Responses to Sliding Loads. <i>Annals of Biomedical Engineering</i> , 2016, 44, 2577-2588.	1.3	16
26	Properties and Mechanobiological Behavior of Bovine Nasal Septum Cartilage. <i>Annals of Biomedical Engineering</i> , 2016, 44, 1821-1831.	1.3	7
27	Quantitative and qualitative comparison of MR imaging of the temporomandibular joint at 1.5 and 3.0â€‰T using an optimized high-resolution protocol. <i>Dentomaxillofacial Radiology</i> , 2016, 45, 20150240.	1.3	19
28	Diagnostic group differences in temporomandibular joint energy densities. <i>Orthodontics and Craniofacial Research</i> , 2015, 18, 164-169.	1.2	18
29	Magnetic Resonance Imaging of the Temporomandibular Joint at 7.0 T Using High-Permittivity Dielectric Pads. <i>Investigative Radiology</i> , 2015, 50, 843-849.	3.5	31
30	Mechanical Loading of Cartilage Explants with Compression and Sliding Motion Modulates Gene Expression of Lubricin and Catabolic Enzymes. <i>Cartilage</i> , 2015, 6, 185-193.	1.4	19
31	A pilot study of ambulatory masticatory muscle activities in temporomandibular joint disorders diagnostic groups. <i>Orthodontics and Craniofacial Research</i> , 2015, 18, 146-155.	1.2	33
32	Mechanical loading of cartilage explants with joint-specific loading patterns modulates gene expression of lubricin and catabolic matrix enzymes. <i>Osteoarthritis and Cartilage</i> , 2015, 23, A271-A272.	0.6	0
33	Mechanobiological response of articular cartilage subjected to simultaneous compression and sliding. <i>Osteoarthritis and Cartilage</i> , 2015, 23, A270-A271.	0.6	0
34	A comparison of chewing rate between overweight and normal BMI individuals. <i>Physiology and Behavior</i> , 2015, 145, 8-13.	1.0	23
35	A Model System of the Dynamic Loading Occurring in Synovial Joints: The Biological Effect of Plowing on Pristine Cartilage. <i>Cells Tissues Organs</i> , 2014, 199, 364-372.	1.3	8
36	Are patterns of bone loss in anorexic and postmenopausal women similar? Preliminary results using high resolution peripheral computed tomography. <i>Bone</i> , 2014, 58, 146-150.	1.4	16

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37	Neck and shoulder muscle activity of orthodontists in natural environments. Journal of Electromyography and Kinesiology, 2013, 23, 600-607.	0.7	17
38	Quantitative sensory testing of intraoral open wounds. International Journal of Oral and Maxillofacial Surgery, 2013, 42, 401-405.	0.7	8
39	Mechanical behavior of bovine nasal cartilage under static and dynamic loading. Journal of Biomechanics, 2013, 46, 2137-2144.	0.9	14
40	Mechanobiological response of chondrocytes to a TMJ-specific loading pattern over time. Osteoarthritis and Cartilage, 2013, 21, S209-S210.	0.6	0
41	Comparison between the rhythmic jaw contractions occurring during sleep and while chewing. Journal of Sleep Research, 2013, 22, 593-599.	1.7	15
42	Macroscopic Analysis of Human Masseter Compartments Assessed by Magnetic Resonance Imaging. Cells Tissues Organs, 2012, 195, 465-472.	1.3	26
43	Movements of the Temporomandibular Joint Disk. Seminars in Orthodontics, 2012, 18, 92-98.	0.8	5
44	Novel approach to the study of jaw kinematics in an alloplastic TMJ reconstruction. International Journal of Oral and Maxillofacial Surgery, 2012, 41, 1041-1045.	0.7	22
45	Implant-supported mandibular splinting affects temporomandibular joint biomechanics. Clinical Oral Implants Research, 2012, 23, 897-901.	1.9	7
46	Nocturnal masseter electromyographic activity of complete denture wearers. Gerodontology, 2012, 29, e595-601.	0.8	1
47	MACROSCOPIC MUSCULAR MODELING BASED ON IN VIVO 4D RADIOLOGY. International Journal for Multiscale Computational Engineering, 2012, 10, 131-142.	0.8	2
48	Firing duration of masseter motor units during prolonged low-level contractions. Clinical Neurophysiology, 2011, 122, 2433-2440.	0.7	18
49	Coupling plowing of cartilage explants with gene expression in models for synovial joints. Journal of Biomechanics, 2011, 44, 2472-2476.	0.9	9
50	Bone Mineral Density in Young Women on Methadone Substitution. Calcified Tissue International, 2011, 89, 228-233.	1.5	13
51	Design, construction and validation of a computer controlled system for functional loading of soft tissue. Medical Engineering and Physics, 2011, 33, 677-683.	0.8	9
52	Computer-assisted analysis of human upper arm flexion by 4D-visualization based on MRI. International Journal of Computer Assisted Radiology and Surgery, 2011, 6, 675-684.	1.7	3
53	Time-Frequency Analysis of Chewing Activity in the Natural Environment. Journal of Dental Research, 2011, 90, 1206-1210.	2.5	146
54	Time-frequency analysis of rhythmic masticatory muscle activity. Muscle and Nerve, 2009, 39, 828-836.	1.0	23

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55	Interindividual differences in the perception of dental stimulation and related brain activity. <i>European Journal of Oral Sciences</i> , 2009, 117, 27-33.	0.7	32
56	Synergist coactivation and substitution pattern of the human masseter and temporalis muscles during sustained static contractions. <i>Clinical Neurophysiology</i> , 2009, 120, 190-197.	0.7	25
57	Tractional Forces, Work and Energy Densities in the Human TMJ. <i>Craniofacial Growth Series</i> , 2009, 46, 427-450.	0.0	0
58	Temporomandibular Joint Loading Patterns Related to Joint Morphology: A Theoretical Study. <i>Cells Tissues Organs</i> , 2008, 187, 295-306.	1.3	19
59	Relationship between Kinematic Center and TMJ Anatomy and Function. <i>Journal of Dental Research</i> , 2008, 87, 726-730.	2.5	24
60	Stereometric Assessment of TMJ Space Variation by Occlusal Splints. <i>Journal of Dental Research</i> , 2008, 87, 877-881.	2.5	53
61	Masticatory muscle activity during deliberately performed oral tasks. <i>Physiological Measurement</i> , 2008, 29, 1397-1410.	1.2	42
62	Does weight gain induce cortical and trabecular bone regain in anorexia nervosa? A two-year prospective study. <i>Bone</i> , 2007, 41, 869-874.	1.4	19
63	192 FUNCTIONAL TESTING OF DIARTHRODIAL JOINT SOFT TISSUES WITH A ROLLING-PLOWING APPARATUS: VALIDATION AND FIRST RESULTS. <i>Osteoarthritis and Cartilage</i> , 2007, 15, C112-C113.	0.6	0
64	3D-visualization of the temporomandibular joint with focus on the articular disc based on clinical T1-, T2-, and proton density weighted MR images. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2007, 2, 203-210.	1.7	10
65	Nonfunctional tooth contact in healthy controls and patients with myogenous facial pain. <i>Journal of Orofacial Pain</i> , 2007, 21, 185-93.	1.7	68
66	Ibuprofen arginine for pain control during scaling and root planing: a randomized, triple-blind trial. <i>Journal of Clinical Periodontology</i> , 2006, 33, 345-350.	2.3	16
67	No effect of experimental occlusal interferences on pressure pain thresholds of the masseter and temporalis muscles in healthy women. <i>European Journal of Oral Sciences</i> , 2006, 114, 167-170.	0.7	20
68	Relevance of mandibular helical axis analysis in functional and dysfunctional TMJs. <i>Journal of Biomechanics</i> , 2006, 39, 1716-1725.	0.9	29
69	Mechanical Work during Stress-field Translation in the Human TMJ. <i>Journal of Dental Research</i> , 2006, 85, 1006-1010.	2.5	46
70	Habitual daily masseter activity of subjects with different vertical craniofacial morphology. <i>European Journal of Oral Sciences</i> , 2005, 113, 380-385.	0.7	40
71	Effect of water storage, thermocycling, the incorporation and site of placement of glass-fibers on the flexural strength of veneering composite. <i>Dental Materials</i> , 2005, 21, 761-772.	1.6	52
72	Modeling of Temporomandibular Joint Function Using MRI and Jaw-Tracking Technologies "Mechanics. <i>Cells Tissues Organs</i> , 2005, 180, 54-68.	1.3	65

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73	Effect of Occlusal Interference on Habitual Activity of Human Masseter. Journal of Dental Research, 2005, 84, 644-648.	2.5	90
74	Dynamic Intra-articular Space Variation in Clicking TMJs. Journal of Dental Research, 2004, 83, 480-484.	2.5	31
75	Cortical Activation Resulting from Painless Vibrotactile Dental Stimulation Measured by Functional Magnetic Resonance Imaging (fMRI). Journal of Dental Research, 2004, 83, 757-761.	2.5	43
76	Analysis of human mandibular mechanics based on screw theory and in vivo data. Journal of Biomechanics, 2004, 37, 1405-1412.	0.9	27
77	Biphasic finite element simulation of the TMJ disc from in vivo kinematic and geometric measurements. Journal of Biomechanics, 2004, 37, 1787-1791.	0.9	73
78	Analysis of the TMJ intraarticular space variation: a non-invasive insight during mastication. Medical Engineering and Physics, 2003, 25, 181-190.	0.8	47
79	Dynamic stereometry of the temporomandibular joint. Orthodontics and Craniofacial Research, 2003, 6, 37-47.	1.2	61
80	Characterisation of human jaw biomechanics based on screw theory. Australian Journal of Mechanical Engineering, 2003, 1, 11-16.	1.5	0
81	Automated analysis for portable EMG recording of nocturnal masseter activity in bruxers. Journal of Oral Rehabilitation, 2002, 29, 872-873.	1.3	0
82	The mediolateral temporomandibular joint disc position: an in vivo quantitative study. Journal of Orofacial Pain, 2002, 16, 29-38.	1.7	16
83	Stress-field Translation in the Healthy Human Temporomandibular Joint. Journal of Dental Research, 2000, 79, 1740-1746.	2.5	108
84	Mandibular Helical Axis Pathways during Mastication. Journal of Dental Research, 2000, 79, 1566-1572.	2.5	45
85	Dynamic magnetic resonance imaging technique for the study of the temporomandibular joint. Journal of Orofacial Pain, 2000, 14, 65-73.	1.7	26
86	Reproducibility of temporomandibular joint clicking. Journal of Orofacial Pain, 2000, 14, 293-302.	1.7	6
87	Nocturnal Masseter EMG Activity of Healthy Subjects in a Natural Environment. Journal of Dental Research, 1999, 78, 1436-1444.	2.5	74
88	Automatic On-line One-channel Recognition of Masseter Activity. Journal of Dental Research, 1998, 77, 1539-1546.	2.5	27
89	Description of Mandibular Finite Helical Axis Pathways in Asymptomatic Subjects. Journal of Dental Research, 1997, 76, 704-713.	2.5	80
90	Reliability of scoring EMG orofacial events: polysomnography compared with ambulatory recordings. Journal of Sleep Research, 1997, 6, 259-263.	1.7	64

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91	Neues Verfahren zur dynamischen Stereometrie eines menschlichen Gelenkes. Hefte Zur Zeitschrift Der Unfallchirurg, 1997, , 106-114.	0.0	0
92	Activity recognition in long-term electromyograms. Journal of Oral Rehabilitation, 1995, 22, 455-462.	1.3	28
93	A new method for three-dimensional reconstruction and animation of the temporomandibular joint. Annals of the Academy of Medicine, Singapore, 1995, 24, 11-6.	0.2	11
94	Three-dimensional animation of the temporomandibular joint. Technology and Health Care, 1994, 2, 193-207.	0.5	29
95	Precision of the jaw tracking system JAWS-3D. Journal of Orofacial Pain, 1994, 8, 155-64.	1.7	39
96	Power Spectral Analysis of Temporomandibular Joint Sounds in Asymptomatic Subjects. Journal of Dental Research, 1993, 72, 871-875.	2.5	30