

# Tamar Brosh

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/565385/tamar-brosh-publications-by-year.pdf>

**Version:** 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86

papers

1,818

citations

24

h-index

38

g-index

93

ext. papers

2,097

ext. citations

3.6

avg, IF

4.47

L-index

#	Paper	IF	Citations
86	New Training Approach for Improving the Spatial Perception and Orientation Ability of Dentistry Students. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 9387	2.6	0
85	Does Augmented Visual Feedback from Novel, Multicolored, Three-Dimensional-Printed Teeth Affect Dental Students' Acquisition of Manual Skills?. <i>Anatomical Sciences Education</i> , <b>2021</b> , 14, 629-640	6.8	3
84	3D-Printed Teeth with Multicolored Layers as a Tool for Evaluating Cavity Preparation by Dental Students. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6406	2.6	0
83	Enhanced Nanoassembly-Incorporated Antibacterial Composite Materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 21334-21342	9.5	26
82	An interventional study for improving the manual dexterity of dentistry students. <i>PLoS ONE</i> , <b>2019</b> , 14, e0211639	3.7	7
81	Tensile Properties of Three Selected Collagen Membranes. <i>BioMed Research International</i> , <b>2019</b> , 2019, 5163603	3	17
80	A Self-Healing, All-Organic, Conducting, Composite Peptide Hydrogel as Pressure Sensor and Electrogenic Cell Soft Substrate. <i>ACS Nano</i> , <b>2019</b> , 13, 163-175	16.7	94
79	Predicting the clinical performance of dental students with a manual dexterity test. <i>PLoS ONE</i> , <b>2018</b> , 13, e0193980	3.7	14
78	Circumferential root strains generated during lateral compaction with stainless steel vs. nickel-titanium finger spreaders. <i>European Journal of Oral Sciences</i> , <b>2018</b> , 126, 518-525	2.3	8
77	Consolidation of complex motor skill learning: evidence for a delayed offline process. <i>Sleep</i> , <b>2018</b> , 41,	1.1	8
76	Effect of root morphology on the susceptibility of endodontically treated teeth to vertical root fracture: An ex-vivo model. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2017</b> , 69, 267-274 <sup>4.1</sup>	4.1	6
75	The effect of impact tool geometry and soft material covering on long bone fracture patterns in children. <i>International Journal of Legal Medicine</i> , <b>2017</b> , 131, 1011-1021	3.1	6
74	The influence of impact direction and axial loading on the bone fracture pattern. <i>Forensic Science International</i> , <b>2017</b> , 277, 197-206	2.6	10
73	Effects of a Program for Improving Biomechanical Characteristics During Walking and Running in Children Who Are Obese. <i>Pediatric Physical Therapy</i> , <b>2017</b> , 29, 330-340	0.9	9
72	Subacromial corticosteroid injections transiently decrease suture anchor pullout strength: biomechanical studies in rats. <i>Journal of Shoulder and Elbow Surgery</i> , <b>2017</b> , 26, 1789-1793	4.3	8
71	Biomechanical characteristics of overweight and obese children during five different walking and running velocities. <i>Footwear Science</i> , <b>2017</b> , 9, 149-159	1.4	9
70	Biomechanical evaluation of two arthroscopic techniques for biceps tenodesis: triple loop suture versus simple suture. <i>Journal of Shoulder and Elbow Surgery</i> , <b>2017</b> , 26, 165-169	4.3	7

69	Detrimental Effect of Repeated and Single Subacromial Corticosteroid Injections on the Intact and Injured Rotator Cuff: A Biomechanical and Imaging Study in Rats. <i>American Journal of Sports Medicine</i> , <b>2016</b> , 44, 177-82	6.8	37
68	Effect of Silane Reaction Time on the Repair of a Nanofilled Composite Using Tribochemical Treatment. <i>Journal of Adhesive Dentistry</i> , <b>2016</b> , 18, 125-34	3	3
67	Strain Distribution in Root Surface Dentin of Maxillary Central Incisors during Lateral Compaction. <i>PLoS ONE</i> , <b>2016</b> , 11, e0156461	3.7	3
66	Skeletal effect of casein and whey protein intake during catch-up growth in young male Sprague-Dawley rats. <i>British Journal of Nutrition</i> , <b>2016</b> , 116, 59-69	3.6	20
65	The impact velocity and bone fracture pattern: Forensic perspective. <i>Forensic Science International</i> , <b>2016</b> , 266, 54-62	2.6	25
64	Platelet-rich plasma did not improve early healing of medial collateral ligament in rats. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2015</b> , 135, 1571-7	3.6	11
63	Long- and short-term effects of headgear traction with and without the maxillary second molars. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>2014</b> , 146, 467-76	2.1	13
62	A single dose of platelet-rich plasma improves the organization and strength of a surgically repaired rotator cuff tendon in rats. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2014</b> , 134, 1271-7	3.6	42
61	The effect of one-step vs. two-step impression techniques on long-term accuracy and dimensional stability when the finish line is within the gingival sulcular area. <i>Journal of Prosthodontics</i> , <b>2014</b> , 23, 124-33	3.9	17
60	Can cone beam CT predict the hardness of interradicular cortical bone?. <i>Head &amp; Face Medicine</i> , <b>2014</b> , 10, 12	2.4	10
59	Statins enhance rotator cuff healing by stimulating the COX2/PGE2/EP4 pathway: an in vivo and in vitro study. <i>American Journal of Sports Medicine</i> , <b>2014</b> , 42, 2869-76	6.8	39
58	Tensile mechanical properties of swine cortical mandibular bone. <i>PLoS ONE</i> , <b>2014</b> , 9, e113229	3.7	4
57	Locking versus standard screw fixation for acetabular cups: is there a difference?. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2013</b> , 133, 701-5	3.6	9
56	Biomechanical properties of bone treated by magnetic resonance-guided focused ultrasound - an in vivo porcine model study. <i>Bone</i> , <b>2013</b> , 57, 92-7	4.7	10
55	Molding significantly affects the mechanical properties of Plaster of Paris in orthopaedic use. <i>Current Orthopaedic Practice</i> , <b>2013</b> , 24, 647-650	0.4	
54	Dimensional stability of polyvinyl siloxane impression material reproducing the sulcular area. <i>Dental Materials Journal</i> , <b>2013</b> , 32, 25-31	2.5	6
53	Influence of periodontal ligament simulation and splints on strains developing at the cervical area of a tooth crown. <i>European Journal of Oral Sciences</i> , <b>2012</b> , 120, 466-71	2.3	7
52	The structural, compositional and mechanical features of the calcite shell of the barnacle <i>Tetraclita rufotincta</i> . <i>Journal of Structural Biology</i> , <b>2011</b> , 175, 311-8	3.4	10

51	Appropriateness of viscoelastic soft materials as in vitro simulators of the periodontal ligament. <i>Journal of Oral Rehabilitation</i> , <b>2011</b> , 38, 929-39	3.4	12
50	In-vivo von Mises strains during Invisalign treatment. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>2010</b> , 138, 399-409	2.1	29
49	Incremental growth of the maxillary tuberosity from 6 to 20 years-A cross-sectional study. <i>Archives of Oral Biology</i> , <b>2010</b> , 55, 655-62	2.8	7
48	Enhancement of incisional wound healing by thrombin conjugated iron oxide nanoparticles. <i>Biomaterials</i> , <b>2010</b> , 31, 741-7	15.6	129
47	The effects of prolonged deep freezing on the biomechanical properties of osteochondral allografts. <i>Cell and Tissue Banking</i> , <b>2009</b> , 10, 27-31	2.2	18
46	Numerical and clinical study of the biomechanical behaviour of teeth under orthodontic loading using a headgear appliance. <i>Medical Engineering and Physics</i> , <b>2009</b> , 31, 539-46	2.4	13
45	The influence of dentin and/or metal surface treatment on the retention of cemented crowns in teeth with an increased taper. <i>Dental Materials</i> , <b>2008</b> , 24, 1058-64	5.7	8
44	Time-related PDL: viscoelastic response during initial orthodontic tooth movement of a tooth with functioning interproximal contact-a mathematical model. <i>Journal of Biomechanics</i> , <b>2008</b> , 41, 1871-7	2.9	20
43	Duration of elastomeric separation and effect on interproximal contact point characteristics. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>2008</b> , 133, 414-22; quiz 476.e2	2.1	17
42	Posterior and anterior components of force during bite loading. <i>Journal of Biomechanics</i> , <b>2007</b> , 40, 820-7.9		15
41	Fixation of humeral surgical neck fracture using contoured pins versus straight pins: a mechanical study. <i>International Orthopaedics</i> , <b>2007</b> , 31, 811-5	3.8	3
40	Centric slide, bite force and muscle tenderness changes over 6 months following fixed orthodontic treatment. <i>Angle Orthodontist</i> , <b>2007</b> , 77, 254-9	2.6	20
39	CO <sub>2</sub> Laser Fascia to Dura Soldering for Pig Dural Defect Reconstruction. <i>Skull Base</i> , <b>2007</b> , 17, 17-23		12
38	Bracket placement in lingual vs labial systems and direct vs indirect bonding. <i>Angle Orthodontist</i> , <b>2007</b> , 77, 509-17	2.6	43
37	Immediate tight sealing of skin incisions using an innovative temperature-controlled laser soldering device: in vivo study in porcine skin. <i>Annals of Surgery</i> , <b>2007</b> , 245, 206-13	7.8	26
36	Intermediate screws in short segment pedicular fixation for thoracic and lumbar fractures: a biomechanical study. <i>Journal of Spinal Disorders and Techniques</i> , <b>2007</b> , 20, 72-7		63
35	Dural defect repair with fascia by a CO <sub>2</sub> laser system in a porcine model. <i>Laryngoscope</i> , <b>2006</b> , 116, 1002-6.6		11
34	Effects of buccal versus lingual surfaces, enamel conditioning procedures and storage duration on brackets debonding characteristics. <i>Journal of Dentistry</i> , <b>2005</b> , 33, 99-105	4.8	24

33	Strains recorded in a combined tooth-implant restoration: an in vivo study. <i>Implant Dentistry</i> , <b>2005</b> , 14, 58-62	2.4	26
32	In vivo debonding strength and enamel damage in two orthodontic debonding methods. <i>Journal of Biomechanics</i> , <b>2005</b> , 38, 1107-13	2.9	24
31	Colchicine inhibits fracture union and reduces bone strength--in vivo study. <i>Journal of Orthopaedic Research</i> , <b>2005</b> , 23, 877-81	3.8	6
30	Unequal outer and inner bow configurations: comparing 2 asymmetric headgear systems. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>2005</b> , 128, 68-75; discussion 75-7	2.1	9
29	Repair of pig dura in vivo using temperature controlled CO(2) laser soldering. <i>Lasers in Surgery and Medicine</i> , <b>2005</b> , 37, 286-92	3.6	18
28	Novel laser tissue-soldering technique for dural reconstruction. <i>Journal of Neurosurgery</i> , <b>2005</b> , 103, 87-91	3.2	24
27	Closure of skin incisions in rabbits by laser soldering II: Tensile strength. <i>Lasers in Surgery and Medicine</i> , <b>2004</b> , 35, 12-7	3.6	20
26	Closure of skin incisions in rabbits by laser soldering: I: Wound healing pattern. <i>Lasers in Surgery and Medicine</i> , <b>2004</b> , 35, 1-11	3.6	33
25	In vivo laser soldering of incisions in juvenile pig skins using GaAs or CO 2 lasers and a temperature control system <b>2004</b> ,		3
24	Mechanical resistance of biological repair cartilage: comparative in vivo tests of different surgical repair procedures. <i>International Journal of Artificial Organs</i> , <b>2002</b> , 25, 1109-15	1.9	9
23	Effect of polymerization under pressure on indirect tensile mechanical properties of light-polymerized composites. <i>Journal of Prosthetic Dentistry</i> , <b>2002</b> , 88, 381-7	4	9
22	Deformation/recovery cycle of the periodontal ligament in human teeth with single or dual contact points. <i>Archives of Oral Biology</i> , <b>2002</b> , 47, 85-92	2.8	12
21	The effect of bacterial endotoxin on the early tensile strength of healing surgical wounds. <i>Journal of Endodontics</i> , <b>2002</b> , 28, 30-3	4.7	20
20	Laser soldering of rabbit skin using IR fiber optic temperature control system <b>2001</b> , 4244, 242		1
19	Laser soldering of cuts in rat skin using fiber optic temperature-controlled system <b>2001</b> ,		1
18	Tightness of dental contact points in spaced and non-spaced permanent dentitions. <i>European Journal of Orthodontics</i> , <b>2001</b> , 23, 305-14	3.3	16
17	Accuracy of three polyvinyl siloxane putty-wash impression techniques. <i>Journal of Prosthetic Dentistry</i> , <b>2000</b> , 83, 161-5	4	81
16	The effects of prolonged cryopreservation on the biomechanical properties of bone allografts: a microbiological, histological and mechanical study. <i>Cell and Tissue Banking</i> , <b>2000</b> , 1, 69-73	2.2	16

15	Modeling the body/chair interaction - an integrative experimental-numerical approach. <i>Clinical Biomechanics</i> , <b>2000</b> , 15, 217-9	2.2	52
14	Effect of changing the saddle angle on the incidence of low back pain in recreational bicyclists. <i>British Journal of Sports Medicine</i> , <b>1999</b> , 33, 398-400	10.3	50
13	Stiffness of different designs and cross-sections of maxillary and mandibular major connectors of removable partial dentures. <i>Journal of Prosthetic Dentistry</i> , <b>1999</b> , 81, 526-32	4	13
12	Analysis of strength properties of light-cured resin composites. <i>Dental Materials</i> , <b>1999</b> , 15, 174-9	5.7	30
11	The influence of abutment angulation on strains and stresses along the implant/bone interface: comparison between two experimental techniques. <i>Journal of Prosthetic Dentistry</i> , <b>1998</b> , 79, 328-34	4	58
10	Rapid palatal expansion. Part 3: strains developed during active and retention phases. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>1998</b> , 114, 123-33	2.1	14
9	Rapid palatal expansion. Part 2: Dentoskeletal changes in cats with patent versus synostosed midpalatal suture. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>1998</b> , 113, 488-97	2.1	13
8	The influence of surface loading and irradiation time during curing on mechanical properties of a composite. <i>Journal of Prosthetic Dentistry</i> , <b>1997</b> , 77, 573-7	4	12
7	Effect of irradiation time on tensile properties of stiffness and strength of composites. <i>Journal of Prosthetic Dentistry</i> , <b>1997</b> , 77, 471-4	4	15
6	Effect of combinations of surface treatments and bonding agents on the bond strength of repaired composites. <i>Journal of Prosthetic Dentistry</i> , <b>1997</b> , 77, 122-6	4	154
5	Shear modulus--measurement methodology with application to light-cured resin composites. <i>Dental Materials</i> , <b>1996</b> , 12, 52-7	5.7	4
4	Long-term durability of adhesive systems bonded to fresh amalgam. <i>Journal of Prosthetic Dentistry</i> , <b>1996</b> , 76, 431-6	4	5
3	A new intratracheal stent made from nitinol, an alloy with shape memory effect. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1994</b> , 107, 1255-1261	1.5	69
2	The effect of irradiation time on the shear strength of composites. <i>Dental Materials</i> , <b>1994</b> , 10, 338-42	5.7	6
1	Toward early detection of the tendency to stress fractures. <i>Clinical Biomechanics</i> , <b>1994</b> , 9, 111-6	2.2	26