

Jason P Carey

List of Publications by Citations

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137
papers

3,433
citations

32
h-index

54
g-index

141
ext. papers

4,045
ext. citations

2.7
avg, IF

5.46
L-index

#	Paper	IF	Citations
137	Evaluation and prediction of the tensile properties of continuous fiber-reinforced 3D printed structures. <i>Composite Structures</i> , 2016 , 153, 866-875	5.3	292
136	2D braided composites: A review for stiffness critical applications. <i>Composite Structures</i> , 2008 , 85, 43-58	5.3	198
135	Three-dimensional accuracy of measurements made with software on cone-beam computed tomography images. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2008 , 134, 112-6	2.1	145
134	Illusory movement perception improves motor control for prosthetic hands. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	101
133	Evaluation of dimensional accuracy and material properties of the MakerBot 3D desktop printer. <i>Rapid Prototyping Journal</i> , 2015 , 21, 618-627	3.8	94
132	Determining a relationship between applied occlusal load and articulating paper mark area. <i>Open Dentistry Journal</i> , 2007 , 1, 1-7	0.8	94
131	Three-dimensional orthodontic force measurements. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2009 , 136, 518-28	2.1	88
130	Applications of sensory feedback in motorized upper extremity prosthesis: a review. <i>Expert Review of Medical Devices</i> , 2014 , 11, 499-511	3.5	87
129	Intraexaminer and interexaminer reliabilities of landmark identification on digitized lateral cephalograms and formatted 3-dimensional cone-beam computerized tomography images. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2010 , 137, 598-604	2.1	86
128	Transverse, vertical, and anteroposterior changes from bone-anchored maxillary expansion vs traditional rapid maxillary expansion: A randomized clinical trial. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2010 , 137, 304-305	2.1	85
127	Torque expression of self-ligating brackets. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2008 , 133, 721-8	2.1	81
126	Transverse, vertical, and anteroposterior changes from bone-anchored maxillary expansion vs traditional rapid maxillary expansion: a randomized clinical trial. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2010 , 137, 304.e1-12; discussion 304-5	2.1	76
125	Analytically determined mechanical properties of, and models for the periodontal ligament: critical review of literature. <i>Journal of Biomechanics</i> , 2012 , 45, 9-16	2.9	74
124	Effect of squat depth and barbell load on relative muscular effort in squatting. <i>Journal of Strength and Conditioning Research</i> , 2012 , 26, 2820-8	3.2	71
123	Density conversion factor determined using a cone-beam computed tomography unit NewTom QR-DVT 9000. <i>Dentomaxillofacial Radiology</i> , 2006 , 35, 407-9	3.9	69
122	Online human training of a myoelectric prosthesis controller via actor-critic reinforcement learning. <i>IEEE International Conference on Rehabilitation Robotics</i> , 2011 , 2011, 5975338	1.3	62
121	Torque expression in stainless steel orthodontic brackets. A systematic review. <i>Angle Orthodontist</i> , 2010 , 80, 201-10	2.6	56

120	Predicting the longitudinal elastic modulus of braided tubular composites using a curved unit-cell geometry. <i>Composites Part B: Engineering</i> , 2010 , 41, 229-235	10	55
119	Effect of object location on the density measurement and Hounsfield conversion in a NewTom 3G cone beam computed tomography unit. <i>Dentomaxillofacial Radiology</i> , 2008 , 37, 305-8	3.9	55
118	Reliability of traditional cephalometric landmarks as seen in three-dimensional analysis in maxillary expansion treatments. <i>Angle Orthodontist</i> , 2009 , 79, 1047-56	2.6	52
117	Proximal humeral fracture fixation: locking plate construct + intramedullary fibular allograft. <i>Journal of Shoulder and Elbow Surgery</i> , 2012 , 21, 894-901	4.3	50
116	Experimentally determined mechanical properties of, and models for, the periodontal ligament: critical review of current literature. <i>Journal of Dental Biomechanics</i> , 2011 , 2011, 312980		48
115	A comparison of torque expression between stainless steel, titanium molybdenum alloy, and copper nickel titanium wires in metallic self-ligating brackets. <i>Angle Orthodontist</i> , 2010 , 80, 884-9	2.6	45
114	Linear measurements using virtual study models. <i>Angle Orthodontist</i> , 2012 , 82, 1098-106	2.6	43
113	Rapid palatal expansion effects on nasal airway dimensions as measured by acoustic rhinometry. A systematic review. <i>Angle Orthodontist</i> , 2009 , 79, 1000-7	2.6	42
112	The effect of biomechanical variables on force sensitive resistor error: Implications for calibration and improved accuracy. <i>Journal of Biomechanics</i> , 2016 , 49, 786-792	2.9	37
111	Micro-computed tomography analysis of tubular braided composites. <i>Composite Structures</i> , 2015 , 131, 384-396	5.3	34
110	Myoelectric training systems. <i>Expert Review of Medical Devices</i> , 2011 , 8, 581-9	3.5	34
109	Design of braided composite cardiovascular catheters based on required axial, flexural, and torsional rigidities. <i>Journal of Biomedical Materials Research Part B</i> , 2004 , 70, 73-81		34
108	Mechanical effects of third-order movement in self-ligated brackets by the measurement of torque expression. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2011 , 139, e31-44	2.1	33
107	Characteristics of lower extremity work during the impact phase of jumping and weightlifting. <i>Journal of Strength and Conditioning Research</i> , 2013 , 27, 3225-32	3.2	32
106	Quadriceps effort during squat exercise depends on hip extensor muscle strategy. <i>Sports Biomechanics</i> , 2015 , 14, 122-38	2.2	30
105	Adaptive artificial limbs: a real-time approach to prediction and anticipation. <i>IEEE Robotics and Automation Magazine</i> , 2013 , 20, 53-64	3.4	30
104	Sensitivity analysis for plane orientation in three-dimensional cephalometric analysis based on superimposition of serial cone beam computed tomography images. <i>Dentomaxillofacial Radiology</i> , 2010 , 39, 400-8	3.9	30
103	Characterizing short-fiber-reinforced composites produced using additive manufacturing. <i>Advanced Manufacturing: Polymer and Composites Science</i> , 2017 , 3, 81-91	0.6	28

102	In situ compressive properties of the glenoid labrum. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 51, 711-6		28
101	Accuracy of mesiodistal root angulation projected by cone-beam computed tomographic panoramic-like images. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2010 , 137, S94-9	2.1	27
100	The effect on elastic modulus of rigid-matrix tubular composite braid radius and braid angle change under tensile loading. <i>Composite Structures</i> , 2013 , 100, 135-143	5.3	25
99	Analysis of maxillary arch force/couple systems for a simulated high canine malocclusion: Part 1. Passive ligation. <i>Angle Orthodontist</i> , 2011 , 81, 953-9	2.6	23
98	Design and Integration of an Inexpensive Wearable Mechanotactile Feedback System for Myoelectric Prostheses. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2018 , 6, 21007-11	3	23
97	Regression-based model for elastic constants of 2D braided/woven open mesh angle-ply composites. <i>Polymer Composites</i> , 2005 , 26, 152-164	3	22
96	Cranial base foramen location accuracy and reliability in cone-beam computerized tomography. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2011 , 139, e203-10	2.1	21
95	Locking plate fixation of proximal humeral fractures with impaction of the fracture site to restore medial column support: a biomechanical study. <i>Journal of Shoulder and Elbow Surgery</i> , 2013 , 22, 1552-7	4.3	19
94	Analysis of maxillary arch force/couple systems for a simulated high canine malocclusion: Part 2. Elastic ligation. <i>Angle Orthodontist</i> , 2011 , 81, 960-5	2.6	19
93	Orthodontic Bracket Manufacturing Tolerances and Dimensional Differences between Select Self-Ligating Brackets. <i>Journal of Dental Biomechanics</i> , 2010 , 2010, 781321		19
92	Modeling stress-relaxation behavior of the periodontal ligament during the initial phase of orthodontic treatment. <i>Journal of Biomechanical Engineering</i> , 2013 , 135, 91007	2.1	18
91	Comparison of in vivo 3D cone-beam computed tomography tooth volume measurement protocols. <i>Progress in Orthodontics</i> , 2014 , 15, 69	3.4	18
90	Dynamic switching and real-time machine learning for improved human control of assistive biomedical robots 2012 ,		18
89	Predicting Elastic Constants of 2D-Braided Fiber Rigid and Elastomeric Polymeric Matrix Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2004 , 23, 1845-1857	2.9	18
88	Reliability of three-dimensional anterior cranial base superimposition methods for assessment of overall hard tissue changes: A systematic review. <i>Angle Orthodontist</i> , 2018 , 88, 233-245	2.6	17
87	A NURBS-based technique for subject-specific construction of knee bone geometry. <i>Computer Methods and Programs in Biomedicine</i> , 2008 , 92, 20-34	6.9	17
86	The Development of a Myoelectric Training Tool for Above-Elbow Amputees. <i>Open Biomedical Engineering Journal</i> , 2012 , 6, 5-15	0.9	17
85	Characterizing the effects of amplitude, frequency and limb position on vibration induced movement illusions: Implications in sensory-motor rehabilitation. <i>Technology and Health Care</i> , 2015 , 23, 129-41	1.1	16

84	Measurement accuracy and reliability of tooth length on conventional and CBCT reconstructed panoramic radiographs. <i>Dental Press Journal of Orthodontics</i> , 2014 , 19, 45-53	1.3	16
83	An investigation into the mechanical characteristics of select self-ligated brackets at a series of clinically relevant maximum torquing angles: loading and unloading curves and bracket deformation. <i>European Journal of Orthodontics</i> , 2013 , 35, 719-29	3.3	16
82	Measurement of plastic and elastic deformation due to third-order torque in self-ligated orthodontic brackets. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2011 , 140, 326-39	2.1	16
81	Development of a generalized analytical model for tubular braided-architecture composites. <i>Journal of Composite Materials</i> , 2017 , 51, 3861-3875	2.7	15
80	Braided composite materials for the production of lightweight, high rigidity golf shafts. <i>Sports Engineering</i> , 2007 , 10, 195-208	1.4	15
79	Optimization analysis for plane orientation in 3-dimensional cephalometric analysis of serial cone-beam computerized tomography images. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2011 , 111, 771-7		14
78	Measurement of orthodontic bracket tie wing elastic and plastic deformation by arch wire torque expression utilizing an optical image correlation technique. <i>Journal of Dental Biomechanics</i> , 2010 , 2010,		14
77	Elastic properties of large-open-mesh 2D braided composites: Model predictions and initial experimental findings. <i>Polymer Composites</i> , 2010 , 31, 2017-2024	3	14
76	Experimental analysis of diamond and regular tubular braided composites using three-dimensional digital image correlation. <i>Journal of Composite Materials</i> , 2017 , 51, 3887-3907	2.7	13
75	Measurement of forces and moments around the maxillary arch for treatment of a simulated lingual incisor and high canine malocclusion using straight and mushroom archwires in fixed lingual appliances. <i>European Journal of Orthodontics</i> , 2017 , 39, 665-672	3.3	12
74	Characterizing asymmetry across the whole sit to stand movement in healthy participants. <i>Journal of Biomechanics</i> , 2013 , 46, 2730-5	2.9	12
73	Model-based cardiovascular disease diagnosis: a preliminary in-silico study. <i>Biomechanics and Modeling in Mechanobiology</i> , 2017 , 16, 549-560	3.8	12
72	Development of a standardized testing system for orthodontic sliding mechanics. <i>Progress in Orthodontics</i> , 2015 , 16, 14	3.4	12
71	The development of a myoelectric training tool for above-elbow amputees. <i>Open Biomedical Engineering Journal</i> , 2012 , 6, 5-15	0.9	12
70	Experimental validation of a regression-based predictive model for elastic constants of open mesh tubular diamond-braid composites. <i>Polymer Composites</i> , 2011 , 32, 243-251	3	12
69	Evaluation of fiber reinforced cement using digital image correlation. <i>PLoS ONE</i> , 2015 , 10, e0128644	3.7	11
68	Three-dimensional kinematic analysis of the golf swing using instantaneous screw axis theory, Part 2: golf swing kinematic sequence. <i>Sports Engineering</i> , 2011 , 13, 125-133	1.4	11
67	Structural health monitoring to detect the presence, location and magnitude of structural damage in cadaveric porcine spines. <i>Journal of Biomechanics</i> , 2009 , 42, 109-15	2.9	11

66	Deformation and warping of the bracket slot in select self-ligating orthodontic brackets due to an applied third order torque. <i>Journal of Orthodontics</i> , 2012 , 39, 25-33	1.6	11
65	FEM Simulation of Non-Progressive Growth from Asymmetric Loading and Vicious Cycle Theory: Scoliosis Study Proof of Concept. <i>Open Biomedical Engineering Journal</i> , 2010 , 4, 162-9	0.9	11
64	A machine vision system for the braid angle measurement of tubular braided structures. <i>Textile Reseach Journal</i> , 2019 , 89, 2919-2937	1.7	11
63	Characterization of interfacial socket pressure in transhumeral prostheses: A case series. <i>PLoS ONE</i> , 2017 , 12, e0178517	3.7	10
62	Effect of Diameter in Predicting the Elastic Properties of 2D Braided Tubular Composites. <i>Journal of Composite Materials</i> , 2010 , 44, 2031-2044	2.7	10
61	The feasibility of vibration as a tool to assess spinal integrity. <i>Journal of Biomechanics</i> , 2008 , 41, 2319-2329	10	10
60	Cone beam computed tomography registration for 3-D airway analysis based on anatomic landmarks. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2014 , 118, 371-83	2	9
59	Three-dimensional kinematic analysis of the golf swing using instantaneous screw axis theory, part 1: methodology and verification. <i>Sports Engineering</i> , 2011 , 13, 105-123	1.4	9
58	A comparative analysis of angular cephalometric values between CBCT generated lateral cephalograms versus digitized conventional lateral cephalograms. <i>International Orthodontics</i> , 2009 , 7, 308-21	0.9	9
57	Three-dimensional deformation of orthodontic brackets. <i>Journal of Dental Biomechanics</i> , 2013 , 4, 1758736013492529		
56	Simulation of muscle and adipose tissue deformation in the passive human pharynx. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2016 , 19, 780-8	2.1	8
55	Transverse, vertical, and anterior-posterior changes between tooth-anchored versus Dresden bone-anchored rapid maxillary expansion 6 months post-expansion: A CBCT randomized controlled clinical trial. <i>International Orthodontics</i> , 2020 , 18, 308-316	0.9	8
54	Multiobjective optimization framework for landmark measurement error correction in three-dimensional cephalometric tomography. <i>Dentomaxillofacial Radiology</i> , 2013 , 42, 20130035	3.9	8
53	Representation of bone heterogeneity in subject-specific finite element models for knee. <i>Computer Methods and Programs in Biomedicine</i> , 2010 , 99, 154-71	6.9	8
52	Three-dimensional deformation comparison of self-ligating brackets. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2013 , 143, 645-57	2.1	7
51	Role of the midpalatal suture in FEA simulations of maxillary expansion treatment for adolescents: a review. <i>International Orthodontics</i> , 2013 , 11, 119-38	0.9	7
50	Comparison of deformation and torque expression of the orthos and orthos Ti bracket systems. <i>European Journal of Orthodontics</i> , 2014 , 36, 381-8	3.3	7
49	Effect of wire size on maxillary arch force/couple systems for a simulated high canine malocclusion. <i>Journal of Orthodontics</i> , 2014 , 41, 285-91	1.6	7

48	Feasibility of a braided composite for orthopedic bone cast. <i>Open Biomedical Engineering Journal</i> , 2013 , 7, 9-17	0.9	7
47	Surface analysis of etched molar enamel by gas adsorption. <i>Journal of Dental Research</i> , 2008 , 87, 532-6	8.1	7
46	Buckling test as a new approach to testing flexural rigidities of angiographic catheters. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006 , 76, 211-8	3.5	7
45	Examination of voids and geometry of bio-based braided composite structures. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 406, 012012	0.4	7
44	Experimental testing of the tensile elastic properties of cellulose braided composites. <i>Composites Part B: Engineering</i> , 2019 , 166, 542-548	10	6
43	Measurement error and reliability of three available 3D superimposition methods in growing patients. <i>Head & Face Medicine</i> , 2020 , 16, 1	2.4	6
42	Precision and accuracy of suggested maxillary and mandibular landmarks with cone-beam computed tomography for regional superimpositions: An in vitro study. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2016 , 149, 67-75	2.1	6
41	Leg dominance may not be a predictor of asymmetry in peak joint moments and ground reaction forces during sit-to-stand movements. <i>Journal of Applied Biomechanics</i> , 2014 , 30, 179-83	1.2	6
40	Towards a viscoelastic model for the unfused midpalatal suture: development and validation using the midsagittal suture in New Zealand white rabbits. <i>Journal of Biomechanics</i> , 2013 , 46, 1618-25	2.9	6
39	Investigation into the effects of stainless steel ligature ties on the mechanical characteristics of conventional and self-ligated brackets subjected to torque. <i>Journal of Orthodontics</i> , 2014 , 41, 188-200	1.6	6
38	Three-dimensional cephalometric superimposition of the nasomaxillary complex. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2014 , 146, 758-64	2.1	6
37	Evaluation of diagnosis techniques used for spinal injury related back pain. <i>Pain Research and Treatment</i> , 2011 , 2011, 478798	1.9	6
36	Dimensional accuracy of 2 irreversible hydrocolloid alternative impression materials with immediate and delayed pouring. <i>Journal of the Canadian Dental Association</i> , 2012 , 78, c2	2.1	6
35	Micro-computed tomography analysis of natural fiber and bio-matrix tubular-braided composites. <i>Journal of Composite Materials</i> , 2019 , 53, 4003-4013	2.7	5
34	Chemical composition of enamel surface as a predictor of in-vitro shear bond strength. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2009 , 136, 683-8	2.1	5
33	An experimental method for stereolithic mandible fabrication and image preparation. <i>Open Biomedical Engineering Journal</i> , 2007 , 1, 4-10	0.9	5
32	A new method for the rapid characterization of root growth and distribution using digital image correlation. <i>New Phytologist</i> , 2018 , 218, 835-846	9.8	4
31	Manufacturing and characterization of braidtruded fiber reinforced polymer rebar. <i>Polymer Composites</i> , 2018 , 39, 337-350	3	4

30	Influence of second-order bracket-archwire misalignments on loads generated during third-order archwire rotation in orthodontic treatment. <i>Angle Orthodontist</i> , 2016 , 86, 358-64	2.6	4
29	Initial forces experienced by the anterior and posterior teeth during dental-anchored or skeletal-anchored en masse retraction in vitro. <i>Angle Orthodontist</i> , 2017 , 87, 549-555	2.6	4
28	Framework for a Combined Netting Analysis and Tsai-Wu-Based Design Approach for Braided and Filament-Wound Composites. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2013 , 135,	1.2	4
27	Clinical variability in arch wires: a preliminary study evaluating mechanical and surface characteristics of two different sized rectangular stainless steel wires. <i>Open Biomedical Engineering Journal</i> , 2007 , 1, 13-22	0.9	4
26	Comparison of third-order torque simulation with and without a periodontal ligament simulant. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2015 , 148, 431-9	2.1	3
25	Braid CAM: Braided composite analytical model. <i>SoftwareX</i> , 2018 , 7, 23-27	2.7	3
24	A multiple fascicle muscle force model of the human triceps surae. <i>Journal of Theoretical Biology</i> , 2020 , 495, 110251	2.3	2
23	Modeling and mechanical characterization of braidtruded fiber reinforced polymer rebar. <i>Polymer Composites</i> , 2018 , 39, 1582-1593	3	2
22	Considerations for determining relaxation constants from creep modeling of nonlinear suture tissue. <i>International Journal of Mechanical Sciences</i> , 2014 , 85, 179-186	5.5	2
21	Improving two-dimensional braided composite tensile properties by including low angle yarn twist: Production, experimental verification, and modeling. <i>Journal of Engineered Fibers and Fabrics</i> , 2020 , 15, 155892502094644	0.9	2
20	Life cycle analysis for green composites: A review of literature including considerations for local and global agricultural use. <i>Journal of Engineered Fibers and Fabrics</i> , 2021 , 16, 155892502110269	0.9	2
19	The Effect of an Automatically Levelling Wrist Control System. <i>IEEE International Conference on Rehabilitation Robotics</i> , 2019 , 2019, 816-823	1.3	1
18	Numerical model for intraosseous infusion of the human calvarium for hydrocephalus shunting. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015 , 18, 662-75	2.1	1
17	Characterizing and modeling of low twist yarn mechanics. <i>Journal of Engineered Fibers and Fabrics</i> , 2019 , 14, 155892501986694	0.9	1
16	Subject-specific finite element model of knee: experimental validation using composite and bovine specimens. <i>International Journal of Experimental and Computational Biomechanics</i> , 2009 , 1, 146		1
15	Effect of ligation method on maxillary arch force/moment systems for a simulated lingual incisor malalignment. <i>Open Biomedical Engineering Journal</i> , 2014 , 8, 106-13	0.9	1
14	The biomechanics of posterior maxillary arch expansion using fixed labial and lingual appliances. <i>Angle Orthodontist</i> , 2020 , 90, 688-694	2.6	1
13	The effect of perturbations on resistance to sliding in second-order moments comparing two different bracket types. <i>Journal of Dental Biomechanics</i> , 2014 , 5, 1758736014557500		1

12	An examination of initial structural degradation in tubular braided composites through region-by-region strain analysis. <i>Journal of Engineered Fibers and Fabrics</i> , 2020 , 15, 155892502097832	0.9	1
11	Repeatability and Biofidelity of a Physical Surrogate Neck Model Fit to a Hybrid III Head. <i>Annals of Biomedical Engineering</i> , 2021 , 49, 2957-2972	4.7	1
10	Improving Performance of Pattern Recognition-Based Myoelectric Control Using a Desktop Robotic Arm Training Tool 2018 ,		1
9	Research paper: The three-dimensional mechanical response of orthodontic archwires and brackets in vitro during simulated orthodontic torque. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 114, 104196	4.1	0
8	Preliminary Evaluation of the Effect of Mechanotactile Feedback Location on Myoelectric Prosthesis Performance Using a Sensorized Prosthetic Hand. <i>Sensors</i> , 2022 , 22, 3892	3.8	0
7	Three-dimensional in vitro measurement of initial forces and moments acting on maxillary canine teeth using various Class II elastic configurations with a straight archwire fixed lingual appliance. <i>Orthodontic Waves</i> , 2019 , 78, 56-62	0.2	
6	Design of an Orthodontic Torque Simulator for Measurement of Bracket Deformation. <i>Sensing and Imaging</i> , 2013 , 14, 57-80	1.4	
5	Le rôle de la suture médiopalatine dans les simulations AEF du traitement par expansion maxillaire chez les adolescents : une revue de la littérature. <i>International Orthodontics</i> , 2013 , 11, 119-138	0.9	
4	Utilization of finite element analysis for rapid curing of fiber-reinforced polymers in a novel two-phase curing technique for braided rebars. <i>Journal of Composite Materials</i> , 2015 , 49, 3333-3346	2.7	
3	Processing and Performance of Braided Composites 2011 , 1		
2	Preliminary Development and Engineering Evaluation of a Novel Cricothyrotomy Device. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2010 , 4, 031009	1.3	
1	Development and validation of an open-source software package for very low Earth orbit satellite simulation. <i>Transactions of the Canadian Society for Mechanical Engineering</i> , 2021 , 45, 64-80	1.1	