

Emily A Lalone

List of Publications by Year in descending order

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54
papers

652
citations

623188

14
h-index

642321

23
g-index

54
all docs

54
docs citations

54
times ranked

631
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of the Short-Term and Long-Term Effects of Surgery and Nonsurgical Intervention in Treating Carpal Tunnel Syndrome: A Systematic Review and Meta-Analysis. <i>Hand</i> , 2020, 15, 13-22.	0.7	45
2	Accuracy assessment of 3D bone reconstructions using CT: an intro comparison. <i>Medical Engineering and Physics</i> , 2015, 37, 729-738.	0.8	42
3	Validation of a finite element model of the human elbow for determining cartilage contact mechanics. <i>Journal of Biomechanics</i> , 2013, 46, 1767-1771.	0.9	37
4	Functional, motor, and sensory assessment instruments upon nerve repair in adult hands: systematic review of psychometric properties. <i>Systematic Reviews</i> , 2018, 7, 175.	2.5	33
5	The effectiveness of joint-protection programs on pain, hand function, and grip strength levels in patients with hand arthritis: A systematic review and meta-analysis. <i>Journal of Hand Therapy</i> , 2019, 32, 194-211.	0.7	33
6	A Structured Review Addressing the Use of Radiographic Measures of Alignment and the Definition of Acceptability in Patients with Distal Radius Fractures. <i>Hand</i> , 2015, 10, 621-638.	0.7	30
7	Development of an image-based technique to examine joint congruency at the elbow. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013, 16, 280-290.	0.9	29
8	Effect of Radial Head Implant Shape on Joint Contact Area and Location During Static Loading. <i>Journal of Hand Surgery</i> , 2015, 40, 716-722.	0.7	26
9	An anatomic study of coronoid cartilage thickness with special reference to fractures. <i>Journal of Shoulder and Elbow Surgery</i> , 2012, 21, 961-968.	1.2	25
10	Regional variations in radial head bone volume and density: implications for fracture patterns and fixation. <i>Journal of Shoulder and Elbow Surgery</i> , 2012, 21, 1669-1673.	1.2	23
11	Capitellar excision and hemiarthroplasty affects elbow kinematics and stability. <i>Journal of Shoulder and Elbow Surgery</i> , 2012, 21, 1024-1031.e4.	1.2	22
12	Evaluation of individual finger forces during activities of daily living in healthy individuals and those with hand arthritis. <i>Journal of Hand Therapy</i> , 2020, 33, 188-197.	0.7	21
13	Patient Reported Pain and Disability Following a Distal Radius Fracture: A Prospective Study. <i>The Open Orthopaedics Journal</i> , 2017, 11, 589-599.	0.1	21
14	Development of a computational technique to measure cartilage contact area. <i>Journal of Biomechanics</i> , 2014, 47, 1193-1197.	0.9	18
15	Hemiarthroplasty of the elbow: the effect of implant size on joint congruency. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, 297-303.	1.2	15
16	Elbow Kinematics After Radiocapitellar Arthroplasty. <i>Journal of Hand Surgery</i> , 2012, 37, 1024-1032.	0.7	14
17	Utility of an image-based technique to detect changes in joint congruency following simulated joint injury and repair: An in vitro study of the elbow. <i>Journal of Biomechanics</i> , 2013, 46, 677-682.	0.9	14
18	An Anthropometric Assessment of the Proximal Hamate Autograft for Scaphoid Proximal Pole Reconstruction. <i>Journal of Hand Surgery</i> , 2019, 44, 60.e1-60.e8.	0.7	14

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19	A Cohort Study of One-Year Functional and Radiographic Outcomes following Intra-Articular Distal Radius Fractures. <i>Hand</i> , 2014, 9, 237-243.	0.7	13
20	Accuracy assessment of an imaging technique to examine ulnohumeral joint congruency during elbow flexion. <i>Computer Aided Surgery</i> , 2012, 17, 142-152.	1.8	12
21	Image-Based Comparison Between the Bilateral Symmetry of the Distal Radii Through Established Measures. <i>Journal of Hand Surgery</i> , 2019, 44, 966-972.	0.7	11
22	Evaluation of the content validity index of the Australian/Canadian osteoarthritis hand index, the patient-rated wrist/hand evaluation and the thumb disability exam in people with hand arthritis. <i>Health and Quality of Life Outcomes</i> , 2020, 18, 302.	1.0	11
23	Do Impairments Predict Hand Dexterity After Distal Radius Fractures? A 6-Month Prospective Cohort Study. <i>Hand</i> , 2018, 13, 441-447.	0.7	10
24	Recovery, age, and gender effects on hand dexterity after a distal radius fracture. A 1-year prospective cohort study. <i>Journal of Hand Therapy</i> , 2018, 31, 465-471.	0.7	10
25	Arthrokinematics of the Distal Radioulnar Joint Measured Using Intercartilage Distance in an InÂVitro Model. <i>Journal of Hand Surgery</i> , 2018, 43, 283.e1-283.e9.	0.7	10
26	The effect of decreasing computed tomography dosage on radiostereometric analysis (RSA) accuracy at the glenohumeral joint. <i>Journal of Biomechanics</i> , 2011, 44, 2847-2850.	0.9	9
27	The Effect of Dorsally Angulated Distal Radius Deformities on Carpal Kinematics: An InÂVitro Biomechanical Study. <i>Journal of Hand Surgery</i> , 2018, 43, 1036.e1-1036.e8.	0.7	9
28	Recovery of grip strength and hand dexterity after distal radius fracture: A two-year prospective cohort study. <i>Hand Therapy</i> , 2018, 23, 28-37.	0.5	9
29	Joint Protection Programmes for People with Osteoarthritis and Rheumatoid Arthritis of the Hand: An Overview of Systematic Reviews. <i>Physiotherapy Canada Physiotherapie Canada</i> , 2021, 73, 56-65.	0.3	9
30	Design of Anatomical Population-Based and Patient-Specific Radial Head Implants. <i>Journal of Hand Surgery</i> , 2017, 42, 924.e1-924.e11.	0.7	8
31	Hemiarthroplasty of the elbow: the effect of implant size on kinematics and stability. <i>Journal of Shoulder and Elbow Surgery</i> , 2014, 23, 946-954.	1.2	7
32	Evaluation of Four-Dimensional Computed Tomography as a Technique for Quantifying Carpal Motion. <i>Journal of Biomechanical Engineering</i> , 2021, 143, .	0.6	7
33	Construct validity of the Patient-Rated Wrist and Hand Evaluation questionnaire (PRWHE) for nerve repair in the hand. <i>Musculoskeletal Science and Practice</i> , 2019, 40, 40-44.	0.6	6
34	Establishing the psychometric properties of 2 self-reported outcome measures of elbow pain and function: A systematic review. <i>Journal of Hand Therapy</i> , 2019, 32, 222-232.	0.7	6
35	Comparison of finger kinematics between patients with hand osteoarthritis and healthy participants with and without joint protection programs. <i>Journal of Hand Therapy</i> , 2022, 35, 477-487.	0.7	6
36	Effect of Radial Head Implant Shape on Radiocapitellar Joint Congruency. <i>Journal of Hand Surgery</i> , 2017, 42, 476.e1-476.e11.	0.7	5

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37	The development of a novel grip motion analysis technique using the Dartfish movement analysis software to evaluate hand movements during activities of daily living. <i>Medical Engineering and Physics</i> , 2020, 85, 104-112.	0.8	5
38	Computed Tomography Analysis of the Radial Notch of the Ulna. <i>Journal of Hand Surgery</i> , 2019, 44, 794.e1-794.e8.	0.7	3
39	The Effect of Distal Radius Fractures on 3-Dimensional Joint Congruency. <i>Journal of Hand Surgery</i> , 2021, 46, 66.e1-66.e10.	0.7	3
40	Four-Dimensional Computed Tomography to measure distal radial-ulnar and radio-carpal joint congruency following distal radius fractures. <i>Journal of Orthopaedics</i> , 2021, 25, 31-39.	0.6	3
41	Application of collision detection to assess implant insertion in elbow replacement surgery. , 2010, , .		2
42	Impact of Radius Malunion on Wrist Contact Mechanics. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2016, 46, 399-399.	1.7	2
43	Physical impairments predict hand dexterity function after distal radius fractures: A 2-year prospective cohort study. <i>Hand Therapy</i> , 2018, 23, 64-69.	0.5	2
44	Wearable strain gauge-based technology measures manual tactile forces during the activities of daily living. <i>Journal of Rehabilitation and Assistive Technologies Engineering</i> , 2018, 5, 205566831879358.	0.6	2
45	The Effect of Dorsal Angulation on Distal Radioulnar Joint Arthrokinematics Measured Using Intercartilage Distance. <i>Journal of Wrist Surgery</i> , 2019, 08, 010-017.	0.3	2
46	Barriers, facilitators, preferences and expectations of joint protection programmes for patients with hand arthritis: a cross-sectional survey. <i>BMJ Open</i> , 2021, 11, e041935.	0.8	2
47	Analysis of Three-Dimensional Anatomical Variance and Fit of the Distal Radius to Current Volar Locking Plate Designs. <i>Journal of Hand Surgery Global Online</i> , 2020, 2, 277-285.	0.3	2
48	The effect of CT dose on glenohumeral joint congruency measurements using 3D reconstructed patient-specific bone models. <i>Physics in Medicine and Biology</i> , 2011, 56, 6615-6624.	1.6	1
49	Investigating the grip forces exerted by individuals with and without hand arthritis while swinging a golf club with the use of a new wearable sensor technology. <i>Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology</i> , 2020, 234, 205-216.	0.4	1
50	Evaluation of an Image-Based Tool to Examine the Effect of Fracture Alignment and Joint Congruency on Outcomes after Wrist Fracture. <i>The Open Orthopaedics Journal</i> , 2015, 9, 168-178.	0.1	1
51	The Utility of Quantitative CT (QCT) to Detect Differences in Subchondral Bone Mineral Density Between Healthy People and People with Pain Following Wrist Trauma. <i>Journal of Biomechanical Engineering</i> , 2022, , .	0.6	1
52	Visualization of 3D elbow kinematics using reconstructed bony surfaces. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
53	A computer and image-assisted guidance system for radial head arthroplasty. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2018, 6, 204-210.	1.3	0
54	The Effect of Malunited Scaphoid Fractures on Joint Congruency. <i>Journal of Hand Surgery</i> , 2021, 46, 1024.e1-1024.e8.	0.7	0