

Raymond W Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8637155/publications.pdf>

Version: 2024-02-01

103
papers

1,488
citations

331259

21
h-index

395343

33
g-index

103
all docs

103
docs citations

103
times ranked

1226
citing authors

#	ARTICLE	IF	CITATIONS
1	The Uniform Pattern of Growth and Skeletal Maturation during the Human Adolescent Growth Spurt. <i>Scientific Reports</i> , 2017, 7, 16705.	1.6	97
2	Predicting adverse events, length of stay, and discharge disposition following shoulder arthroplasty: a comparison of the Elixhauser Comorbidity Measure and Charlson Comorbidity Index. <i>Journal of Shoulder and Elbow Surgery</i> , 2018, 27, 1748-1755.	1.2	58
3	An Anatomic Study of the Epiphyseal Tubercle and Its Importance in the Pathogenesis of Slipped Capital Femoral Epiphysis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2013, 95, e34.	1.4	51
4	Origin of Cam Morphology in Femoroacetabular Impingement. <i>American Journal of Sports Medicine</i> , 2018, 46, 478-486.	1.9	51
5	The Relationship of the Medial Patellofemoral Ligament Attachment to the Distal Femoral Physis. <i>American Journal of Sports Medicine</i> , 2014, 42, 2214-2218.	1.9	50
6	A Randomized Prospective Study of Music Therapy for Reducing Anxiety During Cast Room Procedures. <i>Journal of Pediatric Orthopaedics</i> , 2007, 27, 831-833.	0.6	49
7	Pelvic incidence: an anatomic investigation of 880 cadaveric specimens. <i>European Spine Journal</i> , 2016, 25, 3589-3595.	1.0	48
8	Radiographic Signs of Femoroacetabular Impingement Are Associated With Decreased Pelvic Incidence. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2016, 32, 806-813.	1.3	47
9	The Effect of Varus and Valgus Osteotomies on Femoral Version. <i>Journal of Pediatric Orthopaedics</i> , 2009, 29, 666-675.	0.6	44
10	Comparison of Supine Bending, Push-Prone, and Traction Under General Anesthesia Radiographs in Predicting Curve Flexibility and Postoperative Correction in Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2010, 35, 416-422.	1.0	43
11	Femoral Version and Tibial Torsion are Not Associated With Hip or Knee Arthritis in a Large Osteological Collection. <i>Journal of Pediatric Orthopaedics</i> , 2017, 37, e120-e128.	0.6	40
12	Surgeon Learning Curve for Pediatric Supracondylar Humerus Fractures. <i>Journal of Pediatric Orthopaedics</i> , 2011, 31, 818-824.	0.6	39
13	Relationship of Calcaneal and Iliac Apophyseal Ossification to Peak Height Velocity Timing in Children. <i>Journal of Bone and Joint Surgery - Series A</i> , 2015, 97, 147-154.	1.4	39
14	Safe Drilling Paths in the Distal Femoral Epiphysis for Pediatric Medial Patellofemoral Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2017, 45, 1085-1089.	1.9	39
15	Humeral Head Ossification Predicts Peak Height Velocity Timing and Percentage of Growth Remaining in Children. <i>Journal of Pediatric Orthopaedics</i> , 2018, 38, e546-e550.	0.6	38
16	An Anatomic Study of the Distal Femoral Epiphysis. <i>Journal of Pediatric Orthopaedics</i> , 2013, 33, 743-749.	0.6	34
17	Pelvic Incidence and Acetabular Version in Slipped Capital Femoral Epiphysis. <i>Journal of Pediatric Orthopaedics</i> , 2015, 35, 565-570.	0.6	34
18	Validity and Clinical Consequences of a Rotational Mechanism for Slipped Capital Femoral Epiphysis. <i>Journal of Pediatric Orthopaedics</i> , 2016, 36, 239-246.	0.6	32

#	ARTICLE	IF	CITATIONS
19	Capital Femoral Growth Plate Extension Predicts Cam Morphology in a Longitudinal Radiographic Study. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 805-812.	1.4	28
20	Capital Femoral Epiphyseal Extension May Confer Physeal Stability in Slipped Capital Femoral Epiphysis. <i>Journal of Pediatric Orthopaedics</i> , 2019, 39, 119-124.	0.6	28
21	Emergency Department Utilization After Elective Hip Arthroscopy. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2020, 36, 1575-1583.e1.	1.3	26
22	Systematic Isolation of Key Parameters for Estimating Skeletal Maturity on Knee Radiographs. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 795-802.	1.4	24
23	Applicability of the Calcaneal Apophysis Ossification Staging System to the Modern Pediatric Population. <i>Journal of Pediatric Orthopaedics</i> , 2019, 39, 46-50.	0.6	21
24	A cadaveric investigation into the demographic and bony alignment properties associated with osteoarthritis of the patellofemoral joint. <i>Knee</i> , 2016, 23, 350-356.	0.8	19
25	Hip-Spine Syndrome: Is There an Association Between Markers for Cam Deformity and Osteoarthritis of the Lumbar Spine?. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2016, 32, 2243-2248.	1.3	19
26	The Association of Tibia Femur Ratio and Degenerative Disease of the Spine, Hips, and Knees. <i>Journal of Pediatric Orthopaedics</i> , 2017, 37, 317-322.	0.6	19
27	Emergency Department Utilization After Outpatient Hand Surgery. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , 2020, 28, 639-649.	1.1	19
28	Does Pelvic Rotation Alter Radiologic Measurement of Anterior and Lateral Acetabular Coverage?. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2019, 35, 1111-1116.e1.	1.3	18
29	Anatomic Investigation of Commonly Used Landmarks for Evaluating Rotation During Forearm Fracture Reduction. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 1103-1112.	1.4	17
30	Increased and decreased pelvic incidence, sagittal facet joint orientations are associated with lumbar spine osteoarthritis in a large cadaveric collection. <i>International Orthopaedics</i> , 2017, 41, 1593-1600.	0.9	17
31	Longitudinal radiographic behavior of accessory navicular in pediatric patients. <i>Journal of Children's Orthopaedics</i> , 2016, 10, 685-689.	0.4	16
32	Hip morphology predicts posterior hip impingement in a cadaveric model. <i>HIP International</i> , 2019, 29, 322-327.	0.9	16
33	Understanding Skeletal Growth and Predicting Limb-Length Inequality in Pediatric Patients. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , 2019, 27, 312-319.	1.1	16
34	An Anatomic Study on Whether Femoral Version Originates in the Neck or the Shaft. <i>Journal of Pediatric Orthopaedics</i> , 2019, 39, e50-e53.	0.6	16
35	Are Limb-sparing Surgical Resections Comparable to Amputation for Patients With Pelvic Chondrosarcoma? A Case-control, Propensity Score-matched Analysis of the National Cancer Database. <i>Clinical Orthopaedics and Related Research</i> , 2019, 477, 596-605.	0.7	14
36	Comparison of pelvic incidence measurement using lateral x-ray, standard ct versus ct with 3d reconstruction. <i>European Spine Journal</i> , 2022, 31, 241-247.	1.0	14

#	ARTICLE	IF	CITATIONS
37	Characterization of Ossification of the Posterior Rim of Acetabulum in the Developing Hip and Its Impact on the Assessment of Femoroacetabular Impingement. <i>Journal of Bone and Joint Surgery - Series A</i> , 2015, 97, e11-1-6.	1.4	13
38	Systematic Isolation of Key Parameters for Estimating Skeletal Maturity on AP Hip Radiographs. <i>Journal of Pediatric Orthopaedics</i> , 2021, 41, 483-489.	0.6	12
39	Impact of Routine Gastrocnemius Stretching on Ankle Dorsiflexion Flexibility and Injury Rates in High School Basketball Athletes. <i>Orthopaedic Journal of Sports Medicine</i> , 2019, 7, 232596711983677.	0.8	11
40	The Natural History of Benign Bone Tumors of the Extremities in Asymptomatic Children. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 575-580.	1.4	11
41	Pelvic Incidence Is Associated With Sacral Curvature, Sacroiliac Joint Angulation, and Sacral Ala Width. <i>Spine</i> , 2018, 43, 1529-1535.	1.0	10
42	Use of the False-Profile Radiographic View to Measure Pelvic Incidence. <i>American Journal of Sports Medicine</i> , 2018, 46, 2089-2095.	1.9	10
43	Capital Femoral Epiphyseal Cupping and Extension May Be Protective in Slipped Capital Femoral Epiphysis: A Dual-center Matching Cohort Study. <i>Journal of Pediatric Orthopaedics</i> , 2020, 40, 334-339.	0.6	10
44	A cadaveric study of radial and ulnar bowing in the sagittal and coronal planes. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 1010-1018.	1.2	10
45	Evaluation of Intramedullary Fixation for Pediatric Femoral Shaft Fractures in Developing Countries. <i>Journal of Orthopaedic Trauma</i> , 2018, 32, e210-e214.	0.7	9
46	Consequences Following Distal Femoral Growth Plate Violation in an Ovine Model With an Intramedullary Implant: A Pilot Study. <i>Journal of Pediatric Orthopaedics</i> , 2018, 38, e640-e645.	0.6	9
47	No relationship between mild limb length discrepancy and spine, hip or knee degenerative disease in a large cadaveric collection. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2018, 104, 603-607.	0.9	9
48	Differences in Cross-Sectional Intervertebral Foraminal Area From C3 to C7. <i>Global Spine Journal</i> , 2018, 8, 600-606.	1.2	9
49	Incidence and Fusion of Os Trigonum in a Healthy Pediatric Population. <i>Journal of Pediatric Orthopaedics</i> , 2019, 39, e718-e721.	0.6	9
50	Humeral version and neck-shaft angle correlated with demographic parameters in a study of 1104 cadaveric humeri. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 1236-1241.	1.2	9
51	Intravenous versus oral outpatient antibiotic therapy for pediatric acute osteomyelitis. <i>Iowa orthopaedic journal, The</i> , 2013, 33, 208-12.	0.5	9
52	A Comparison of the Accuracy of Three Intraoperative Techniques for Measuring Rotational Correction in Varus Derotational Osteotomies of the Femur. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, 1193-1199.	1.4	8
53	Relationship Between Sever Disease and Skeletal Maturity. <i>Journal of Pediatric Orthopaedics</i> , 2020, 40, 93-96.	0.6	8
54	Systematic Isolation of Key Parameters for Estimating Skeletal Maturity on Anteroposterior Wrist Radiographs. <i>Journal of Bone and Joint Surgery - Series A</i> , 2022, 104, 530-536.	1.4	8

#	ARTICLE	IF	CITATIONS
55	Pelvic Incidence in Spines With 4 and 6 Lumbar Vertebrae. <i>Global Spine Journal</i> , 2019, 9, 708-712.	1.2	7
56	Analysis of Trabecular Microstructure and Vascular Distribution of Capital Femoral Epiphysis Relevant to Legg-Calve-Perthes Disease. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1784-1789.	1.2	7
57	Pediatric Supracondylar Humerus Fractures: AAOS Appropriate Use Criteria Versus Actual Management at a Pediatric Level 1 Trauma Center. <i>Journal of Pediatric Orthopaedics</i> , 2019, 39, e578-e585.	0.6	7
58	Is Cam Morphology Found in Ancient and Medieval Populations in Addition to Modern Populations?. <i>Clinical Orthopaedics and Related Research</i> , 2021, 479, 1830-1838.	0.7	7
59	Using Skeletal Maturity in Pediatric Orthopaedics: A Primer. <i>Journal of Pediatric Orthopaedics</i> , 2022, 42, e793-e800.	0.6	7
60	An Anatomic Study on Whether the Patella is Centered in an Ideal Anteroposterior Radiograph of the Knee. <i>HSS Journal</i> , 2015, 11, 117-122.	0.7	6
61	The Relationship of Olecranon Apophyseal Ossification and Sanders Hand Scores with the Timing of Peak Height Velocity in Adolescents. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 1543-1551.	1.4	6
62	The Utility of the Modified Fels Knee Skeletal Maturity System in Limb Length Prediction. <i>Journal of Pediatric Orthopaedics</i> , 2022, 42, 327-334.	0.6	6
63	Association between Achilles tightness and lower extremity injury in children. <i>HSS Journal</i> , 2016, 12, 245-249.	0.7	5
64	Lumbosacral Transitional Vertebrae. <i>Clinical Spine Surgery</i> , 2019, 32, E330-E334.	0.7	5
65	Skeletal Maturity Using Knee X-rays: Understanding the Resilience of 7 Radiographic Parameters to Rotational Position. <i>Journal of Pediatric Orthopaedics</i> , 2021, 41, e733-e738.	0.6	5
66	Estimating Skeletal Maturity Using Knee Radiographs During Preadolescence. <i>Journal of Pediatric Orthopaedics</i> , 2021, Publish Ahead of Print, 566-570.	0.6	5
67	Acetabular rim length: an anatomical study to determine reasonable graft sizes for labral reconstruction. <i>Journal of Hip Preservation Surgery</i> , 2016, 4, hnw038.	0.6	4
68	The point of epiphyseal penetration affects rotational stability of screw fixation in slipped capital femoral epiphysis: A biomechanical study. <i>Journal of Orthopaedic Research</i> , 2020, 38, 2634-2639.	1.2	4
69	The distal femur trochlear groove appears to compensate for tibial deformity but not femoral deformity in an investigation of five-hundred and seventy-nine cadaveric skeletons. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2022, 142, 1221-1227.	1.3	4
70	The Interval Between Preoperative Radiation and Surgery Is Not Associated with Overall Survival for Soft-tissue Sarcomas: An Analysis of the National Cancer Database. <i>Clinical Orthopaedics and Related Research</i> , 2021, 479, 506-517.	0.7	4
71	Height and Extremity-Length Prediction for Healthy Children Using Age-Based Versus Peak Height Velocity Timing-Based Multipliers. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 335-342.	1.4	4
72	Estimating Skeletal Maturity by Segmented Linear Modeling of Key AP Knee Radiographic Parameters. <i>Journal of Pediatric Orthopaedics</i> , 2022, 42, 169-173.	0.6	4

#	ARTICLE	IF	CITATIONS
73	Outcomes Following Operative Treatment of Adolescent Mallet Fractures. HSS Journal, 2018, 14, 83-87.	0.7	3
74	Is There Value in Radiology Reads for Pediatric Supracondylar Fractures in the Outpatient Clinic?. Journal of Pediatric Orthopaedics, 2019, 39, e452-e455.	0.6	3
75	An Anatomic and Radiographic Study of the Distal Tibial Epiphysis. Journal of Pediatric Orthopaedics, 2020, 40, 23-28.	0.6	3
76	Clinical Outcomes of Triplane Fractures Based on Imaging Modality Utilization and Management: A Systematic Review and Meta-analysis. Journal of Pediatric Orthopaedics, 2020, 40, e936-e941.	0.6	3
77	A prospective randomised study on efficacy of music for decreasing preoperative anxiety in children. Journal of Perioperative Practice, 2021, 31, 268-273.	0.3	3
78	A Modified Ogata-Goldsand Technique for Simplified Intraoperative Measurement of Femoral Version. Journal of Pediatric Orthopaedics, 2015, 35, 593-599.	0.6	2
79	Axial and appendicular body proportions for evaluation of limb and trunk asymmetry. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 88, 185-191.	1.2	2
80	Correlation between the distance from the pubic symphysis to the sacrum with pelvic incidence. HIP International, 2019, 29, 564-567.	0.9	2
81	Patellar Morphology and Osteoarthritis: A Cadaveric Analysis. Journal of Knee Surgery, 2022, 35, 122-127.	0.9	2
82	Assessing precision and accuracy of false-profile hip radiographs. HIP International, 2021, 31, 258-263.	0.9	2
83	Retrograde Intramedullary Nailing of Pediatric Femoral Shaft Fractures Does Not Result in Growth Arrest at the Distal Femoral Physis—A Retrospective Cases Series. Journal of Orthopaedic Trauma, 2021, 35, e405-e410.	0.7	2
84	Slipped Capital Femoral Epiphysis Associated With Athletic Activity. Sports Health, 2022, , 194173812210930.	1.3	2
85	The “triradiate bump”™: A novel radiographic sign that may confound assessment of acetabular retroversion. Journal of Children's Orthopaedics, 2016, 10, 219-225.	0.4	1
86	A Cadaveric Analysis of the Optimal Radiographic Angle for Evaluating Trochlear Depth. Journal of Knee Surgery, 2017, 30, 143-151.	0.9	1
87	An Anatomical Evaluation of the Trapezium and Its Relationship to Basilar Joint Osteophytic Change. Hand, 2022, 17, 714-722.	0.7	1
88	Prediction of adolescent pelvis development using femoral head and acetabulum growth in a longitudinal radiographic study. Clinical Anatomy, 2021, 34, 726-735.	1.5	1
89	A Cadaveric Anatomical Study of the Relationship between Proximal Tibial Slope and Coronal Plane Deformity. Journal of Knee Surgery, 2023, 36, 062-067.	0.9	1
90	Is Bony Knee Alignment Representative of the True Joint Surface in Skeletally Immature Patients? A Magnetic Resonance Imaging Study. Strategies in Trauma and Limb Reconstruction, 2021, 15, 79-83.	0.2	1

#	ARTICLE	IF	CITATIONS
91	The Optimized Oxford Hip Skeletal Maturity System Proves Resilient to Rotational Variation. Journal of Pediatric Orthopaedics, 2022, 42, 186-189.	0.6	1
92	Estimating Skeletal Maturity Using Wrist Radiographs During Preadolescence: The Epiphyseal:Metaphyseal Ratio. Journal of Pediatric Orthopaedics, 2022, 42, e801-e805.	0.6	1
93	What's New in Pediatric Orthopaedic Surgery. Journal of Bone and Joint Surgery - Series A, 2020, 102, 275-282.	1.4	0
94	Normative Values for Capital Femoral Epiphyseal Extension of the Developing Hip Based on Age, Sex, and Oxford Bone Age. Journal of Pediatric Orthopaedics, 2020, 40, e335-e340.	0.6	0
95	Internal tibial torsion is related to syndesmosis injury in a large osteological collection. Foot and Ankle Surgery, 2020, 26, 939-942.	0.8	0
96	Optimal Fluoroscopic Angulation to Determine Intercondylar Notch Violation during Pediatric Medial Patellofemoral Ligament Reconstruction. Journal of Knee Surgery, 2021, , .	0.9	0
97	Absence de corrélation entre l'âge de longueur modifiée des membres inférieurs et maladie dégénérative du rachis, de la hanche, du genou: Étude cadavérique. Revue De Chirurgie Orthopedique Et Traumatologique, 2018, 104, 440.		0
98	Subtle Slipped Capital Femoral Epiphysis Is not Associated With Idiopathic Cam Morphology. Journal of Pediatric Orthopaedics, 2021, 41, 216-220.	0.6	0
99	Assessment of Splinting Quality: A Prospective Study Comparing Different Practitioners. Iowa orthopaedic journal, The, 2021, 41, 155-161.	0.5	0
100	An anatomical study defining the safe range of angles in percutaneous iliosacral and transsacral screw fixation. Clinical Anatomy, 2022, 35, 280-287.	1.5	0
101	Interfacet distance at L4 is increased in spines with high pelvic incidence. Clinical Anatomy, 2022, , .	1.5	0
102	An anatomic and 3D study of the development of the proximal humeral physis. Surgical and Radiologic Anatomy, 2022, , 1.	0.6	0
103	CORR Insights: What Factors Correlate With Length of Stay and Readmission After Limb Lengthening Procedures? A Large-database Study. Clinical Orthopaedics and Related Research, 2022, Publish Ahead of Print, .	0.7	0