Raymond W Liu

List of Publications by Citations

90 papers	910 citations	19 h-index	26 g-index
103 ext. papers	1,183 ext. citations	3.1 avg, IF	4.6 L-index

#	Paper	IF	Citations
90	The Uniform Pattern of Growth and Skeletal Maturation during the Human Adolescent Growth Spurt. *Scientific Reports*, **2017**, 7, 16705	4.9	51
89	Pelvic incidence: an anatomic investigation of 880 cadaveric specimens. *European Spine Journal*, **2016**, 25, 3589-3595	2.7	41
88	An anatomic study of the epiphyseal tubercle and its importance in the pathogenesis of slipped capital femoral epiphysis. *Journal of Bone and Joint Surgery - Series A*, **2013**, 95, e341-8	5.6	41
87	The effect of varus and valgus osteotomies on femoral version. *Journal of Pediatric Orthopaedics*, **2009**, 29, 666-75	2.4	39
86	A randomized prospective study of music therapy for reducing anxiety during cast room procedures. *Journal of Pediatric Orthopaedics*, **2007**, 27, 831-3	2.4	37
85	Origin of Cam Morphology in Femoroacetabular Impingement. *American Journal of Sports Medicine*, **2018**, 46, 478-486	6.8	36
84	Predicting adverse events, length of stay, and discharge disposition following shoulder arthroplasty: a comparison of the Elixhauser Comorbidity Measure and Charlson Comorbidity Index. *Journal of Shoulder and Elbow Surgery*, **2018**, 27, 1748-1755	4.3	36
83	The relationship of the medial patellofemoral ligament attachment to the distal femoral physis. *American Journal of Sports Medicine*, **2014**, 42, 2214-8	6.8	35
82	Radiographic Signs of Femoroacetabular Impingement Are Associated With Decreased Pelvic Incidence. *Arthroscopy - Journal of Arthroscopic and Related Surgery*, **2016**, 32, 806-13	5.4	32
81	Comparison of supine bending, push-prone, and traction under general anesthesia radiographs in predicting curve flexibility and postoperative correction in adolescent idiopathic scoliosis. *Spine*, **2010**, 35, 416-22	3.3	32
80	Surgeon learning curve for pediatric supracondylar humerus fractures. *Journal of Pediatric Orthopaedics*, **2011**, 31, 818-24	2.4	31
79	Femoral Version and Tibial Torsion are Not Associated With Hip or Knee Arthritis in a Large Osteological Collection. *Journal of Pediatric Orthopaedics*, **2017**, 37, e120-e128	2.4	30
78	Relationship of calcaneal and iliac apophyseal ossification to peak height velocity timing in children. *Journal of Bone and Joint Surgery - Series A*, **2015**, 97, 147-54	5.6	29
77	An anatomic study of the distal femoral epiphysis. *Journal of Pediatric Orthopaedics*, **2013**, 33, 743-9	2.4	29
76	Validity and Clinical Consequences of a Rotational Mechanism for Slipped Capital Femoral Epiphysis. *Journal of Pediatric Orthopaedics*, **2016**, 36, 239-46	2.4	28
75	Safe Drilling Paths in the Distal Femoral Epiphysis for Pediatric Medial Patellofemoral Ligament Reconstruction. *American Journal of Sports Medicine*, **2017**, 45, 1085-1089	6.8	27
74	Pelvic Incidence and Acetabular Version in Slipped Capital Femoral Epiphysis. *Journal of Pediatric Orthopaedics*, **2015**, 35, 565-70	2.4	27

73	Capital Femoral Epiphyseal Extension May Confer Physeal Stability in Slipped Capital Femoral Epiphysis. *Journal of Pediatric Orthopaedics*, **2019**, 39, 119-124	2.4	22
72	Capital Femoral Growth Plate Extension Predicts Cam Morphology in a Longitudinal Radiographic Study. *Journal of Bone and Joint Surgery - Series A*, **2016**, 98, 805-12	5.6	20
71	Humeral Head Ossification Predicts Peak Height Velocity Timing and Percentage of Growth Remaining in Children. *Journal of Pediatric Orthopaedics*, **2018**, 38, e546-e550	2.4	15
70	The Association of Tibia Femur Ratio and Degenerative Disease of the Spine, Hips, and Knees. *Journal of Pediatric Orthopaedics*, **2017**, 37, 317-322	2.4	13
69	Hip-Spine Syndrome: Is There an Association Between Markers for Cam Deformity and Osteoarthritis of the Lumbar Spine?. *Arthroscopy - Journal of Arthroscopic and Related Surgery*, **2016** , 32, 2243-2248	5.4	13
68	Hip morphology predicts posterior hip impingement in a cadaveric model. *HIP International*, **2019**, 29, 322-327	1.7	13
67	A cadaveric investigation into the demographic and bony alignment properties associated with osteoarthritis of the patellofemoral joint. *Knee*, **2016**, 23, 350-6	2.6	13
66	Increased and decreased pelvic incidence, sagittal facet joint orientations are associated with lumbar spine osteoarthritis in a large cadaveric collection. *International Orthopaedics*, **2017**, 41, 1593-1600	3.8	12
65	Emergency Department Utilization After Elective Hip Arthroscopy. *Arthroscopy - Journal of Arthroscopic and Related Surgery*, **2020**, 36, 1575-1583.e1	5.4	12
64	Applicability of the Calcaneal Apophysis Ossification Staging System to the Modern Pediatric Population. *Journal of Pediatric Orthopaedics*, **2019**, 39, 46-50	2.4	12
63	Characterization of ossification of the posterior rim of acetabulum in the developing hip and its impact on the assessment of femoroacetabular impingement. *Journal of Bone and Joint Surgery - Series A*, **2015**, 97, e11	5.6	11
62	Does Pelvic Rotation Alter Radiologic Measurement of Anterior and Lateral Acetabular Coverage?. *Arthroscopy - Journal of Arthroscopic and Related Surgery*, **2019**, 35, 1111-1116.e1	5.4	10
61	Understanding Skeletal Growth and Predicting Limb-Length Inequality in Pediatric Patients. *Journal of the American Academy of Orthopaedic Surgeons, The*, **2019**, 27, 312-319	4.5	10
60	An Anatomic Study on Whether Femoral Version Originates in the Neck or the Shaft. *Journal of Pediatric Orthopaedics*, **2019**, 39, e50-e53	2.4	10
59	Longitudinal radiographic behavior of accessory navicular in pediatric patients. *Journal of Childrens Orthopaedics*, **2016**, 10, 685-689	2.1	9
58	Use of the False-Profile Radiographic View to Measure Pelvic Incidence. *American Journal of Sports Medicine*, **2018**, 46, 2089-2095	6.8	8
57	Anatomic Investigation of Commonly Used Landmarks for Evaluating Rotation During Forearm Fracture Reduction. *Journal of Bone and Joint Surgery - Series A*, **2016**, 98, 1103-12	5.6	8
56	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. *Clinical Orthopaedics and Related Research*, **2019**, 477, 596-605	2.2	8

55	Intravenous versus oral outpatient antibiotic therapy for pediatric acute osteomyelitis. *Iowa orthopaedic journal, The*, **2013**, 33, 208-12	1.1	7
54	Differences in Cross-Sectional Intervertebral Foraminal Area From C3 to C7. *Global Spine Journal*, **2018**, 8, 600-606	2.7	7
53	Impact of Routine Gastrocnemius Stretching on Ankle Dorsiflexion Flexibility and Injury Rates in High School Basketball Athletes. *Orthopaedic Journal of Sports Medicine*, **2019**, 7, 2325967119836774	3.5	5
52	Pelvic Incidence Is Associated With Sacral Curvature, Sacroiliac Joint Angulation, and Sacral Ala Width. *Spine*, **2018**, 43, 1529-1535	3.3	5
51	A Comparison of the Accuracy of Three Intraoperative Techniques for Measuring Rotational Correction in Varus Derotational Osteotomies of the Femur. *Journal of Bone and Joint Surgery - Series A*, **2014**, 96, 1193-1199	5.6	5
50	Systematic Isolation of Key Parameters for Estimating Skeletal Maturity on Knee Radiographs. *Journal of Bone and Joint Surgery - Series A*, **2021**, 103, 795-802	5.6	5
49	No relationship between mild limb length discrepancy and spine, hip or knee degenerative disease in a large cadaveric collection. *Orthopaedics and Traumatology: Surgery and Research*, **2018**, 104, 603-607	2.9	5
48	Emergency Department Utilization After Outpatient Hand Surgery. *Journal of the American Academy of Orthopaedic Surgeons, The*, **2020**, 28, 639-649	4.5	4
47	Capital Femoral Epiphyseal Cupping and Extension May Be Protective in Slipped Capital Femoral Epiphysis: A Dual-center Matching Cohort Study. *Journal of Pediatric Orthopaedics*, **2020**, 40, 334-339	2.4	4
46	Incidence and Fusion of Os Trigonum in a Healthy Pediatric Population. *Journal of Pediatric Orthopaedics*, **2019**, 39, e718-e721	2.4	4
45	Consequences Following Distal Femoral Growth Plate Violation in an Ovine Model With an Intramedullary Implant: A Pilot Study. *Journal of Pediatric Orthopaedics*, **2018**, 38, e640-e645	2.4	4
44	An Anatomic Study on Whether the Patella is Centered in an Ideal Anteroposterior Radiograph of the Knee. *HSS Journal*, **2015**, 11, 117-22	2	3
43	The point of epiphyseal penetration affects rotational stability of screw fixation in slipped capital femoral epiphysis: A biomechanical study. *Journal of Orthopaedic Research*, **2020**, 38, 2634-2639	3.8	3
42	A cadaveric study of radial and ulnar bowing in the sagittal and coronal planes. *Journal of Shoulder and Elbow Surgery*, **2020**, 29, 1010-1018	4.3	3
41	Humeral version and neck-shaft angle correlated with demographic parameters in a study of 1104 cadaveric humeri. *Journal of Shoulder and Elbow Surgery*, **2020**, 29, 1236-1241	4.3	3
40	Evaluation of Intramedullary Fixation for Pediatric Femoral Shaft Fractures in Developing Countries. *Journal of Orthopaedic Trauma*, **2018**, 32, e210-e214	3.1	3
39	Acetabular rim length: an anatomical study to determine reasonable graft sizes for labral reconstruction. *Journal of Hip Preservation Surgery*, **2017**, 4, 106-112	2	3
38	Association between Achilles tightness and lower extremity injury in children. *HSS Journal*, **2016**, 12, 245-249	2	3

37	Outcomes Following Operative Treatment of Adolescent Mallet Fractures. *HSS Journal*, **2018**, 14, 83-87	2	3
36	Pelvic Incidence in Spines With 4 and 6 Lumbar Vertebrae. *Global Spine Journal*, **2019**, 9, 708-712	2.7	2
35	Analysis of Trabecular Microstructure and Vascular Distribution of Capital Femoral Epiphysis Relevant to Legg-Calve-Perthes Disease. *Journal of Orthopaedic Research*, **2019**, 37, 1784-1789	3.8	2
34	A Modified Ogata-Goldsand Technique for Simplified Intraoperative Measurement of Femoral Version. *Journal of Pediatric Orthopaedics*, **2015**, 35, 593-9	2.4	2
33	The Interval Between Preoperative Radiation and Surgery Is Not Associated with Overall Survival for Soft-tissue Sarcomas: An Analysis of the National Cancer Database. *Clinical Orthopaedics and Related Research*, **2021**, 479, 506-517	2.2	2
32	Is Cam Morphology Found in Ancient and Medieval Populations in Addition to Modern Populations?. *Clinical Orthopaedics and Related Research*, **2021**, 479, 1830-1838	2.2	2
31	Lumbosacral Transitional Vertebrae: A Cadaveric Investigation of Prevalence and Relation to Lumbar Degenerative Disease. *Clinical Spine Surgery*, **2019**, 32, E330-E334	1.8	2
30	Pediatric Supracondylar Humerus Fractures: AAOS Appropriate Use Criteria Versus Actual Management at a Pediatric Level 1 Trauma Center. *Journal of Pediatric Orthopaedics*, **2019**, 39, e578-e585	2.4	2
29	Relationship Between Sever Disease and Skeletal Maturity. *Journal of Pediatric Orthopaedics*, **2020**, 40, 93-96	2.4	2
28	An Anatomic and Radiographic Study of the Distal Tibial Epiphysis. *Journal of Pediatric Orthopaedics* , **2020**, 40, 23-28	2.4	2
27	Assessing precision and accuracy of false-profile hip radiographs. *HIP International*, **2021**, 31, 258-263	1.7	2
26	A Cadaveric Analysis of the Optimal Radiographic Angle for Evaluating Trochlear Depth. *Journal of Knee Surgery*, **2017**, 30, 143-151	2.4	1
25	Axial and appendicular body proportions for evaluation of limb and trunk asymmetry. *Monthly Notices of the Royal Astronomical Society: Letters*, **2017**, 88, 185-191	4.3	1
24	The ¥riradiate bump¥a novel radiographic sign that may confound assessment of acetabular retroversion. *Journal of Childrenœs Orthopaedics*, **2016**, 10, 219-25	2.1	1
23	Estimating Skeletal Maturity by Segmented Linear Modeling of Key AP Knee Radiographic Parameters.. *Journal of Pediatric Orthopaedics*, **2022**, 42, 169-173	2.4	1
22	Height and Extremity-Length Prediction for Healthy Children Using Age-Based Versus Peak Height Velocity Timing-Based Multipliers. *Journal of Bone and Joint Surgery - Series A*, **2021**, 103, 335-342	5.6	1
21	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	2.4	1
20	A prospective randomised study on efficacy of music for decreasing preoperative anxiety in children. *Journal of Perioperative Practice*, **2021**, 31, 268-273	0.4	1

19	The Natural History of Benign Bone Tumors of the Extremities in Asymptomatic Children: A Longitudinal Radiographic Study. *Journal of Bone and Joint Surgery - Series A*, **2021**, 103, 575-580	5.6	1
18	Systematic Isolation of Key Parameters for Estimating Skeletal Maturity on AP Hip Radiographs. *Journal of Pediatric Orthopaedics*, **2021**, 41, 483-489	2.4	1
17	Is There Value in Radiology Reads for Pediatric Supracondylar Fractures in the Outpatient Clinic?. *Journal of Pediatric Orthopaedics*, **2019**, 39, e452-e455	2.4	1
16	Slipped Capital Femoral Epiphysis Associated With Athletic Activity.. *Sports Health*, **2022**, 19417381221093045	4.7	1
15	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*, **2020**, 15, 79-83	0.6	0
14	Comparison of pelvic incidence measurement using lateral x-ray, standard ct versus ct with 3d reconstruction. *European Spine Journal*, **2021**, 1	2.7	0
13	An Anatomical Evaluation of the Trapezium and Its Relationship to Basilar Joint Osteophytic Change. *Hand*, **2020**, 1558944720946490	1.4	0
12	The Relationship of Olecranon Apophyseal Ossification and Sanders Hand Scores with the Timing of Peak Height Velocity in Adolescents. *Journal of Bone and Joint Surgery - Series A*, **2021**, 103, 1543-1551	5.6	0
11	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. *Archives of Orthopaedic and Trauma Surgery*, **2021**, 1	3.6	0
10	Skeletal Maturity Using Knee X-rays: Understanding the Resilience of 7 Radiographic Parameters to Rotational Position. *Journal of Pediatric Orthopaedics*, **2021**, 41, e733-e738	2.4	0
9	Prediction of adolescent pelvis development using femoral head and acetabulum growth in a longitudinal radiographic study. *Clinical Anatomy*, **2021**, 34, 726-735	2.5	0
8	Estimating Skeletal Maturity Using Knee Radiographs During Preadolescence: The Epiphyseal:Metaphyseal Ratio. *Journal of Pediatric Orthopaedics*, **2021**, 41, 566-570	2.4	0
7	Correlation between the distance from the pubic symphysis to the sacrum with pelvic incidence. *HIP International*, **2019**, 29, 564-567	1.7	
6	Internal tibial torsion is related to syndesmosis injury in a large osteological collection. *Foot and Ankle Surgery*, **2020**, 26, 939-942	3.1	
5	Assessment of Splinting Quality: A Prospective Study Comparing Different Practitioners. *Iowa orthopaedic journal, The*, **2021**, 41, 155-161	1.1	
4	Subtle Slipped Capital Femoral Epiphysis Is not Associated With Idiopathic Cam Morphology. *Journal of Pediatric Orthopaedics*, **2021**, 41, 216-220	2.4	
3	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	2.4	
2	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	3.1	

List of Publications

1	An anatomic and 3D study of the development of the proximal humeral physis.. *Surgical and Radiologic Anatomy*, **2022**, 1	1.4