Raymond W Liu

List of Publications by Year
in descending order

103 papers	1,488 citations	331670 21 h-index	395702 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. Scientific Reports, 2017, 7, 16705.	3.3	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. Journal of Shoulder and Elbow Surgery, 2018, 27, 1748-1755.	2.6	58
3	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, e34.	3.0	51
4	Origin of Cam Morphology in Femoroacetabular Impingement. American Journal of Sports Medicine, 2018, 46, 478-486.	4.2	51
5	The Relationship of the Medial Patellofemoral Ligament Attachment to the Distal Femoral Physis. American Journal of Sports Medicine, 2014, 42, 2214-2218.	4.2	50
6	A Randomized Prospective Study of Music Therapy for Reducing Anxiety During Cast Room Procedures. Journal of Pediatric Orthopaedics, 2007, 27, 831-833.	1.2	49
7	Pelvic incidence: an anatomic investigation of 880 cadaveric specimens. European Spine Journal, 2016, 25, 3589-3595.	2.2	48
8	Radiographic Signs of Femoroacetabular Impingement Are Associated With Decreased Pelvic Incidence. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2016, 32, 806-813.	2.7	47
9	The Effect of Varus and Valgus Osteotomies on Femoral Version. Journal of Pediatric Orthopaedics, 2009, 29, 666-675.	1.2	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. Spine, 2010, 35, 416-422.	2.0	43
11	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.	1.2	40
12	Surgeon Learning Curve for Pediatric Supracondylar Humerus Fractures. Journal of Pediatric Orthopaedics, 2011, 31, 818-824.	1.2	39
13	Relationship of Calcaneal and Iliac Apophyseal Ossification to Peak Height Velocity Timing in Children. Journal of Bone and Joint Surgery - Series A, 2015, 97, 147-154.	3.0	39
14	Safe Drilling Paths in the Distal Femoral Epiphysis for Pediatric Medial Patellofemoral Ligament Reconstruction. American Journal of Sports Medicine, 2017, 45, 1085-1089.	4.2	39
15	Humeral Head Ossification Predicts Peak Height Velocity Timing and Percentage of Growth Remaining in Children. Journal of Pediatric Orthopaedics, 2018, 38, e546-e550.	1.2	38
16	An Anatomic Study of the Distal Femoral Epiphysis. Journal of Pediatric Orthopaedics, 2013, 33, 743-749.	1.2	34
17	Pelvic Incidence and Acetabular Version in Slipped Capital Femoral Epiphysis. Journal of Pediatric Orthopaedics, 2015, 35, 565-570.	1.2	34
18	Validity and Clinical Consequences of a Rotational Mechanism for Slipped Capital Femoral Epiphysis. Journal of Pediatric Orthopaedics, 2016, 36, 239-246.	1.2	32

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19	Capital Femoral Growth Plate Extension Predicts Cam Morphology in a Longitudinal Radiographic Study. Journal of Bone and Joint Surgery - Series A, 2016, 98, 805-812.	3.0	28
20	Capital Femoral Epiphyseal Extension May Confer Physeal Stability in Slipped Capital Femoral Epiphysis. Journal of Pediatric Orthopaedics, 2019, 39, 119-124.	1.2	28
21	Emergency Department Utilization After Elective Hip Arthroscopy. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2020, 36, 1575-1583.e1.	2.7	26
22	Systematic Isolation of Key Parameters for Estimating Skeletal Maturity on Knee Radiographs. Journal of Bone and Joint Surgery - Series A, 2021, 103, 795-802.	3.0	24
23	Applicability of the Calcaneal Apophysis Ossification Staging System to the Modern Pediatric Population. Journal of Pediatric Orthopaedics, 2019, 39, 46-50.	1.2	21
24	A cadaveric investigation into the demographic and bony alignment properties associated with osteoarthritis of the patellofemoral joint. Knee, 2016, 23, 350-356.	1.6	19
25	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.	2.7	19
26	The Association of Tibia Femur Ratio and Degenerative Disease of the Spine, Hips, and Knees. Journal of Pediatric Orthopaedics, 2017, 37, 317-322.	1.2	19
27	Emergency Department Utilization After Outpatient Hand Surgery. Journal of the American Academy of Orthopaedic Surgeons, The, 2020, 28, 639-649.	2.5	19
28	Does Pelvic Rotation Alter Radiologic Measurement of Anterior and Lateral Acetabular Coverage?. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2019, 35, 1111-1116.e1.	2.7	18
29	Anatomic Investigation of Commonly Used Landmarks for Evaluating Rotation During Forearm Fracture Reduction. Journal of Bone and Joint Surgery - Series A, 2016, 98, 1103-1112.	3.0	17
30	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.	1.9	17
31	Longitudinal radiographic behavior of accessory navicular in pediatric patients. Journal of Children's Orthopaedics, 2016, 10, 685-689.	1.1	16
32	Hip morphology predicts posterior hip impingement in a cadaveric model. HIP International, 2019, 29, 322-327.	1.7	16
33	Understanding Skeletal Growth and Predicting Limb-Length Inequality in Pediatric Patients. Journal of the American Academy of Orthopaedic Surgeons, The, 2019, 27, 312-319.	2.5	16
34	An Anatomic Study on Whether Femoral Version Originates in the Neck or the Shaft. Journal of Pediatric Orthopaedics, 2019, 39, e50-e53.	1.2	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. Clinical Orthopaedics and Related Research, 2019, 477, 596-605.	1.5	14
36	Comparison of pelvic incidence measurement using lateral x-ray, standard ct versus ct with 3d reconstruction. European Spine Journal, 2022, 31, 241-247.	2.2	14

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37	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, e11-1-6.	3.0	13
38	Systematic Isolation of Key Parameters for Estimating Skeletal Maturity on AP Hip Radiographs. Journal of Pediatric Orthopaedics, 2021, 41, 483-489.	1.2	12
39	Impact of Routine Gastrocnemius Stretching on Ankle Dorsiflexion Flexibility and Injury Rates in High School Basketball Athletes. Orthopaedic Journal of Sports Medicine, 2019, 7, 232596711983677.	1.7	11
40	The Natural History of Benign Bone Tumors of the Extremities in Asymptomatic Children. Journal of Bone and Joint Surgery - Series A, 2021, 103, 575-580.	3.0	11
41	Pelvic Incidence Is Associated With Sacral Curvature, Sacroiliac Joint Angulation, and Sacral Ala Width. Spine, 2018, 43, 1529-1535.	2.0	10
42	Use of the False-Profile Radiographic View to Measure Pelvic Incidence. American Journal of Sports Medicine, 2018, 46, 2089-2095.	4.2	10
43	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.	1.2	10
44	A cadaveric study of radial and ulnar bowing in the sagittal and coronal planes. Journal of Shoulder and Elbow Surgery, 2020, 29, 1010-1018.	2.6	10
45	Evaluation of Intramedullary Fixation for Pediatric Femoral Shaft Fractures in Developing Countries. Journal of Orthopaedic Trauma, 2018, 32, e210-e214.	1.4	9
46	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.	1.2	9
47	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.	2.0	9
48	Differences in Cross-Sectional Intervertebral Foraminal Area From C3 to C7. Global Spine Journal, 2018, 8, 600-606.	2.3	9
49	Incidence and Fusion of Os Trigonum in a Healthy Pediatric Population. Journal of Pediatric Orthopaedics, 2019, 39, e718-e721.	1.2	9
50	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.	2.6	9
51	Intravenous versus oral outpatient antibiotic therapy for pediatric acute osteomyelitis. Iowa orthopaedic journal, The, 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. Journal of Bone and Joint Surgery - Series A, 2014, 96, 1193-1199.	3.0	8
53	Relationship Between Sever Disease and Skeletal Maturity. Journal of Pediatric Orthopaedics, 2020, 40, 93-96.	1.2	8
54	Systematic Isolation of Key Parameters for Estimating Skeletal Maturity on Anteroposterior Wrist Radiographs. Journal of Bone and Joint Surgery - Series A, 2022, 104, 530-536.	3.0	8

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55	Pelvic Incidence in Spines With 4 and 6 Lumbar Vertebrae. Global Spine Journal, 2019, 9, 708-712.	2.3	7
56	Analysis of Trabecular Microstructure and Vascular Distribution of Capital Femoral Epiphysis Relevant to Leggâ€“Calveâ€“Perthes Disease. Journal of Orthopaedic Research, 2019, 37, 1784-1789.	2.3	7
57	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.	1.2	7
58	Is Cam Morphology Found in Ancient and Medieval Populations in Addition to Modern Populations?. Clinical Orthopaedics and Related Research, 2021, 479, 1830-1838.	1.5	7
59	Using Skeletal Maturity in Pediatric Orthopaedics: A Primer. Journal of Pediatric Orthopaedics, 2022, 42, e793-e800.	1.2	7
60	An Anatomic Study on Whether the Patella is Centered in an Ideal Anteroposterior Radiograph of the Knee. HSS Journal, 2015, 11, 117-122.	1.7	6
61	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.	3.0	6
62	The Utility of the Modified Fels Knee Skeletal Maturity System in Limb Length Prediction. Journal of Pediatric Orthopaedics, 2022, 42, 327-334.	1.2	6
63	Association between Achilles tightness and lower extremity injury in children. HSS Journal, 2016, 12, 245-249.	1.7	5
64	Lumbosacral Transitional Vertebrae. Clinical Spine Surgery, 2019, 32, E330-E334.	1.3	5
65	Skeletal Maturity Using Knee X-rays: Understanding the Resilience of 7 Radiographic Parameters to Rotational Position. Journal of Pediatric Orthopaedics, 2021, 41, e733-e738.	1.2	5
66	Estimating Skeletal Maturity Using Knee Radiographs During Preadolescence. Journal of Pediatric Orthopaedics, 2021, Publish Ahead of Print, 566-570.	1.2	5
67	Acetabular rim length: an anatomical study to determine reasonable graft sizes for labral reconstruction. Journal of Hip Preservation Surgery, 2016, 4, hnw038.	1.3	4
68	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.	2.3	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. Archives of Orthopaedic and Trauma Surgery, 2022, 142, 1221-1227.	2.4	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. Clinical Orthopaedics and Related Research, 2021, 479, 506-517.	1.5	4
71	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.	3.0	4
72	Estimating Skeletal Maturity by Segmented Linear Modeling of Key AP Knee Radiographic Parameters. Journal of Pediatric Orthopaedics, 2022, 42, 169-173.	1.2	4

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73	Outcomes Following Operative Treatment of Adolescent Mallet Fractures. HSS Journal, 2018, 14, 83-87.	1.7	3
74	Is There Value in Radiology Reads for Pediatric Supracondylar Fractures in the Outpatient Clinic?. Journal of Pediatric Orthopaedics, 2019, 39, e452-e455.	1.2	3
75	An Anatomic and Radiographic Study of the Distal Tibial Epiphysis. Journal of Pediatric Orthopaedics, 2020, 40, 23-28.	1.2	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.	1.2	3
77	A prospective randomised study on efficacy of music for decreasing preoperative anxiety in children. Journal of Perioperative Practice, 2021, 31, 268-273.	0.5	3
78	A Modified Ogata-Goldsand Technique for Simplified Intraoperative Measurement of Femoral Version. Journal of Pediatric Orthopaedics, 2015, 35, 593-599.	1.2	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.	3.3	2
80	Correlation between the distance from the pubic symphysis to the sacrum with pelvic incidence. HIP International, 2019, 29, 564-567.	1.7	2
81	Patellar Morphology and Osteoarthritis: A Cadaveric Analysis. Journal of Knee Surgery, 2022, 35, 122-127.	1.6	2
82	Assessing precision and accuracy of false-profile hip radiographs. HIP International, 2021, 31, 258-263.	1.7	2
83	Retrograde Intramedullary Nailing of Pediatric Femoral Shaft Fractures Does Not Result in Growth Arrest at the Distal Femoral Physisâ€"A Retrospective Cases Series. Journal of Orthopaedic Trauma, 2021, 35, e405-e410.	1.4	2
84	Slipped Capital Femoral Epiphysis Associated With Athletic Activity. Sports Health, 2022, , 194173812210930.	2.7	2
85	The â€˜triradiate bumpâ€™: A novel radiographic sign that may confound assessment of acetabular retroversion. Journal of Children's Orthopaedics, 2016, 10, 219-225.	1.1	1
86	A Cadaveric Analysis of the Optimal Radiographic Angle for Evaluating Trochlear Depth. Journal of Knee Surgery, 2017, 30, 143-151.	1.6	1
87	An Anatomical Evaluation of the Trapezium and Its Relationship to Basilar Joint Osteophytic Change. Hand, 2022, 17, 714-722.	1.2	1
88	Prediction of adolescent pelvis development using femoral head and acetabulum growth in a longitudinal radiographic study. Clinical Anatomy, 2021, 34, 726-735.	2.7	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.	1.6	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.	0.8	1

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91	The Optimized Oxford Hip Skeletal Maturity System Proves Resilient to Rotational Variation. Journal of Pediatric Orthopaedics, 2022, 42, 186-189.	1.2	1
92	Estimating Skeletal Maturity Using Wrist Radiographs During Preadolescence: The Epiphyseal:Metaphyseal Ratio. Journal of Pediatric Orthopaedics, 2022, 42, e801-e805.	1.2	1
93	Whatâ€™s New in Pediatric Orthopaedic Surgery. Journal of Bone and Joint Surgery - Series A, 2020, 102, 275-282.	3.0	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.	1.2	0
95	Internal tibial torsion is related to syndesmosis injury in a large osteological collection. Foot and Ankle Surgery, 2020, 26, 939-942.	1.7	0
96	Optimal Fluoroscopic Angulation to Determine Intercondylar Notch Violation during Pediatric Medial Patellofemoral Ligament Reconstruction. Journal of Knee Surgery, 2021, , .	1.6	0
97	Absence de corrÃ©lation entre inÃ©galitÃ© de longueur modÃ©rÃ©e des membres infÃ©rieurs et maladie dÃ©gÃ©nÃ©rative du rachis, de la hanche, du genouÂ: Ã©tude cadavÃ©rique. Revue De Chirurgie Orthopedique Et Traumatologique, 2018, 104, 440.	0.0	0
98	Subtle Slipped Capital Femoral Epiphysis Is not Associated With Idiopathic Cam Morphology. Journal of Pediatric Orthopaedics, 2021, 41, 216-220.	1.2	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.	2.7	0
101	Interfacet distance at <scp>L4</scp> is increased in spines with highâ€pelvic incidence. Clinical Anatomy, 2022, , .	2.7	0
102	An anatomic and 3D study of the development of the proximal humeral physis. Surgical and Radiologic Anatomy, 2022, , 1.	1.2	0
103	CORR InsightsÂ®: 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, .	1.5	0