

# Rafael J Sierra

## List of Publications by Year in descending order

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107  
papers

4,618  
citations

117625

34  
h-index

106344

65  
g-index

107  
all docs

107  
docs citations

107  
times ranked

3281  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Systematic Approach to the Plain Radiographic Evaluation of the Young Adult Hip. Journal of Bone and Joint Surgery - Series A, 2008, 90, 47-66.	3.0	1,022
2	Ischial Spine Projection into the Pelvis. Clinical Orthopaedics and Related Research, 2008, 466, 677-683.	1.5	298
3	The John Charnley Award: Redefining the Natural History of Osteoarthritis in Patients With Hip Dysplasia and Impingement. Clinical Orthopaedics and Related Research, 2017, 475, 336-350.	1.5	191
4	Low Risk of Thromboembolic Complications With Tranexamic Acid After Primary Total Hip and Knee Arthroplasty. Clinical Orthopaedics and Related Research, 2013, 471, 150-154.	1.5	163
5	Unicompartmental Knee Arthroplasty vs Total Knee Arthroplasty for Medial Compartment Arthritis in Patients Older Than 75 Years: Comparable Reoperation, Revision, and Complication Rates. Journal of Arthroplasty, 2017, 32, 1792-1797.	3.1	141
6	ABOVE-THE-KNEE AMPUTATION AFTER A TOTAL KNEE REPLACEMENT. Journal of Bone and Joint Surgery - Series A, 2003, 85, 1000-1004.	3.0	137
7	Iliopsoas Impingement After Primary Total Hip Arthroplasty: Operative and Nonoperative Treatment Outcomes. Journal of Bone and Joint Surgery - Series A, 2017, 99, 557-564.	3.0	94
8	Decreased Osteogenic Activity of Mesenchymal Stem Cells in Patients With Corticosteroid-Induced Osteonecrosis of the Femoral Head. Journal of Arthroplasty, 2016, 31, 893-898.	3.1	87
9	Minimum Five-Year Outcomes with Porous Tantalum Acetabular Cup and Augment Construct in Complex Revision Total Hip Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2017, 99, e49.	3.0	87
10	Acute triceps ruptures: Case report and retrospective chart review. Journal of Shoulder and Elbow Surgery, 2006, 15, 130-134.	2.6	84
11	Aseptic Tibial Debonding as a Cause of Early Failure in a Modern Total Knee Arthroplasty Design. Clinical Orthopaedics and Related Research, 2013, 471, 94-101.	1.5	83
12	Cam Deformities and Limited Hip Range of Motion Are Associated With Early Osteoarthritic Changes in Adolescent Athletes: A Prospective Matched Cohort Study. American Journal of Sports Medicine, 2017, 45, 3036-3043.	4.2	82
13	Dislocation of Bipolar Hemiarthroplasty. Clinical Orthopaedics and Related Research, 2006, 442, 230-238.	1.5	75
14	Intravenous Versus Topical Tranexamic Acid in Total Knee Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2018, 100, 1023-1029.	3.0	72
15	The Cumulative Risk of Re-dislocation After Revision THA Performed for Instability Increases Close to 35% at 15years. Journal of Arthroplasty, 2015, 30, 1177-1182.	3.1	71
16	Is Local Infiltration Analgesia Superior to Peripheral Nerve Blockade for Pain Management After THA: A Network Meta-analysis. Clinical Orthopaedics and Related Research, 2016, 474, 495-516.	1.5	70
17	Dislocation of Primary THA Done through a Posterolateral Approach in the Elderly. Clinical Orthopaedics and Related Research, 2005, 441, 262-267.	1.5	68
18	Conversion of Failed Hip Hemiarthroplasties After Femoral Neck Fractures. Clinical Orthopaedics and Related Research, 2002, 399, 129-139.	1.5	67

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19	No Increased Risk of Knee Arthroplasty Failure in Patients With Positive Skin Patch Testing for Metal Hypersensitivity: A Matched Cohort Study. <i>Journal of Arthroplasty</i> , 2016, 31, 1717-1721.	3.1	65
20	Contemporary Cementing Technique and Mortality During and After Exeter Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2009, 24, 325-332.	3.1	62
21	Natural History of the Dysplastic Hip Following Modern Periacetabular Osteotomy. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 932-938.	3.0	61
22	Surgical Technique Differences Between Posterior-Substituting and Cruciate-Retaining Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2008, 23, 20-23.	3.1	56
23	The Use of Long Cemented Stems for Femoral Impaction Grafting in Revision Total Hip Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2008, 90, 1330-1336.	3.0	54
24	Comparative Survivorship of Different Tibial Designs in Primary Total Knee Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, e121.	3.0	54
25	Instability After Total Knee Arthroplasty. <i>Orthopedic Clinics of North America</i> , 2016, 47, 311-316.	1.2	54
26	Restoration of the Hip Center During THA Performed for Protrusio Acetabuli Is Associated With Better Implant Survival. <i>Clinical Orthopaedics and Related Research</i> , 2013, 471, 3251-3259.	1.5	50
27	The Lawrence D. Dorr Surgical Techniques & Technologies Award: Why Are Contemporary Revision Total Hip Arthroplasties Failing? An Analysis of 2500 Cases. <i>Journal of Arthroplasty</i> , 2019, 34, S11-S16.	3.1	47
28	Midterm Outcomes of Reverse (Anteverting) Periacetabular Osteotomy in Patients With Hip Impingement Secondary to Acetabular Retroversion. <i>American Journal of Sports Medicine</i> , 2016, 44, 672-676.	4.2	45
29	Characterizing the Diagnosis and Treatment of Allergic Contact Dermatitis to 2-Octyl Cyanoacrylate Used for Skin Closure in Elective Orthopedic Surgery. <i>Journal of Arthroplasty</i> , 2017, 32, 3742-3747.	3.1	44
30	Cementation of a Dual Mobility Construct in Recurrently Dislocating and High Risk Patients Undergoing Revision Total Arthroplasty. <i>Journal of Arthroplasty</i> , 2018, 33, 1501-1506.	3.1	42
31	Posttraumatic Total Knee Arthroplasty Continues to Have Worse Outcome Than Total Knee Arthroplasty for Osteoarthritis. <i>Journal of Arthroplasty</i> , 2016, 31, 118-123.	3.1	41
32	The Addition of Hip Arthroscopy to Periacetabular Osteotomy Does Not Increase Complication Rates: A Prospective Case Series. <i>American Journal of Sports Medicine</i> , 2019, 47, 543-551.	4.2	40
33	Tranexamic Acid Benefits Total Joint Arthroplasty Patients Regardless of Preoperative Hemoglobin Value. <i>Journal of Arthroplasty</i> , 2015, 30, 2098-2101.	3.1	39
34	Construct Rigidity: Keystone for Treating Pelvic Discontinuity. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, e43.	3.0	38
35	Long-Term Survivorship of Total Hip Arthroplasty with Highly Cross-Linked Polyethylene for Osteonecrosis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 1563-1568.	3.0	38
36	The Shenton Line in the Diagnosis of Acetabular Dysplasia in the Skeletally Mature Patient. <i>Journal of Bone and Joint Surgery - Series A</i> , 2011, 93, 35-39.	3.0	37

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37	Avoiding Hip Instability and Limb Length Discrepancy After Total Hip Arthroplasty. <i>Orthopedic Clinics of North America</i> , 2016, 47, 327-334.	1.2	35
38	High Failure Rate of Modular Exchange With a Specific Design of a Constrained Liner in High-Risk Patients Undergoing Revision Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2016, 31, 1963-1969.	3.1	34
39	The Fate of Hips That Are Not Prophylactically Pinned After Unilateral Slipped Capital Femoral Epiphysis. <i>Clinical Orthopaedics and Related Research</i> , 2013, 471, 2124-2131.	1.5	33
40	Similar Clinical Outcomes for THAs With and Without Prior Periacetabular Osteotomy. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 685-691.	1.5	32
41	More Predictable Return of Motor Function with Mepivacaine Versus Bupivacaine Spinal Anesthetic in Total Hip and Total Knee Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 1609-1615.	3.0	29
42	Cardiac cobaltism: a rare complication after bilateral metal-on-metal total hip arthroplasty. <i>Arthroplasty Today</i> , 2015, 1, 99-102.	1.6	28
43	The Rate of Acute Kidney Injury After Total Hip Arthroplasty Is Low but Increases Significantly in Patients with Specific Comorbidities. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, 1819-1826.	3.0	27
44	Contemporary Revision Total Knee Arthroplasty in Patients Younger Than 50 Years: 1 in 3 Risk of Re-Revision by 10 Years. <i>Journal of Arthroplasty</i> , 2019, 34, S266-S270.	3.1	27
45	Hitting the Target: Natural History of the Hip Based on Achieving an Acetabular Safe Zone Following Periacetabular Osteotomy. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 1734-1740.	3.0	27
46	Is Selectively Not Resurfacing the Patella an Acceptable Practice in Primary Total Knee Arthroplasty?. <i>Journal of Arthroplasty</i> , 2017, 32, 1143-1147.	3.1	25
47	Surgical Treatment of Femoroacetabular Impingement: Hip Arthroscopy Versus Surgical Hip Dislocation. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 51-58.	3.0	25
48	Factors Associated With 20-Year Cumulative Risk of Infection After Aseptic Index Revision Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2016, 31, 872-877.	3.1	24
49	Abductor Deficiency-Induced Recurrent Instability After Total Hip Arthroplasty. <i>JBJS Reviews</i> , 2020, 8, e0164-e0164.	2.0	24
50	Outcomes of a technique combining diaphyseal impaction grafting and metaphyseal cones for severe bone loss in revision total knee arthroplasty. <i>Bone and Joint Journal</i> , 2020, 102-B, 116-122.	4.4	23
51	Does Prior Surgery for Femoroacetabular Impingement Compromise Hip Arthroplasty Outcomes?. <i>Journal of Arthroplasty</i> , 2016, 31, 1899-1903.	3.1	22
52	The Utility of Metal Ion Trends in Predicting Revision in Metal-on-Metal Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2017, 32, S214-S219.	3.1	20
53	Femoral Morphology in Patients Undergoing Periacetabular Osteotomy for Classic or Borderline Acetabular Dysplasia: Are Cam Deformities Common?. <i>Journal of Arthroplasty</i> , 2016, 31, 259-263.	3.1	19
54	Reoperations after 3200 revision TKAs: rates, etiology, and lessons learned. <i>Clinical Orthopaedics and Related Research</i> , 2004, , 200-6.	1.5	19

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55	Contribution of the Ligamentum Teres to Hip Stability in the Presence of an Intact Capsule: A Cadaveric Study. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2018, 34, 1480-1487.	2.7	16
56	Preoperative Radiographic Evaluation of Patients With Pelvic Discontinuity. <i>Journal of Arthroplasty</i> , 2016, 31, 1053-1056.	3.1	15
57	Cobalt and Chromium Ion Release in Metal-on-Polyethylene and Ceramic-on-Polyethylene THA: A Simulator Study With Cellular and Microbiological Correlations. <i>Journal of Arthroplasty</i> , 2020, 35, 1123-1129.	3.1	15
58	Structural Allograft Supporting a Trabecular Metal Cup Provides Durable Results in Complex Revision Arthroplasty. <i>Journal of Arthroplasty</i> , 2017, 32, 3488-3494.	3.1	14
59	Prospective evaluation of lateral femoral cutaneous nerve injuries during periacetabular osteotomy. <i>Journal of Hip Preservation Surgery</i> , 2019, 6, 77-85.	1.3	14
60	Two-stage arthrodesis for complex, failed, infected total knee arthroplasty. <i>Bone and Joint Journal</i> , 2020, 102-B, 170-175.	4.4	14
61	Competing Risk of Death When Comparing Tibial Implant Types in Total Knee Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 591-596.	3.0	13
62	In Reply: Tranexamic Acid Benefits Total Joint Arthroplasty Patients Regardless of Preoperative Hemoglobin Value. <i>Journal of Arthroplasty</i> , 2016, 31, 1128-1130.	3.1	13
63	Ipsilateral femoral head osteochondral transfers for osteochondral defects of the femoral head. <i>Journal of Hip Preservation Surgery</i> , 2017, 4, 231-239.	1.3	13
64	The management of acetabular retroversion with reverse periacetabular osteotomy. <i>Instructional Course Lectures</i> , 2013, 62, 305-13.	0.2	13
65	Total Knee Arthroplasty After Lower Extremity Amputation: A Review of 13 Cases. <i>Journal of Arthroplasty</i> , 2014, 29, 1590-1593.	3.1	12
66	Arthroscopy and arthrotomy to address intra-articular pathology during PAO for hip dysplasia demonstrates similar short-term outcomes. <i>Journal of Hip Preservation Surgery</i> , 2018, 5, 282-295.	1.3	12
67	Incidence of Hip Dysplasia Diagnosis in Young Patients With Hip Pain: A Geographic Population Cohort Analysis. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712198908.	1.7	12
68	Patella Fractures Prior to Total Knee Arthroplasty: Worse Outcomes but Equivalent Survivorship. <i>Journal of Arthroplasty</i> , 2015, 30, 2167-2169.	3.1	11
69	Use of a Modular Tapered Fluted Femoral Component in Revision Total Hip Arthroplasty Following Resection of a Previously Infected Total Hip: Minimum 5-year Follow-Up. <i>Journal of Arthroplasty</i> , 2015, 30, 435-438.	3.1	11
70	Reliable outcomes and survivorship of primary total knee arthroplasty for osteonecrosis of the knee. <i>Bone and Joint Journal</i> , 2019, 101-B, 1356-1361.	4.4	11
71	Intravenous Tranexamic Acid Safely and Effectively Reduces Transfusion Rates in Revision Total Knee Arthroplasties. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 381-387.	3.0	11
72	Single-Dose Perioperative Antibiotics Do Not Increase the Risk of Surgical Site Infection in Unicompartmental Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2019, 34, S327-S330.	3.1	10

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73	Modern Surgical Treatment of Recurrent Posterior Dislocation of the Native Hip. Journal of Bone and Joint Surgery - Series A, 2018, 100, 1056-1063.	3.0	9
74	Clinical spectrum of neuropathy after primary total knee arthroplasty: A series of 54 cases. Muscle and Nerve, 2019, 59, 679-682.	2.2	9
75	Total Knee Arthroplasty Is Safe and Successful in Patients With Klippel-Trä©naunay Syndrome. Journal of Arthroplasty, 2019, 34, 682-685.	3.1	9
76	AAHKS Symposium: State-of-the-Art Management of Tough and Unsolved Problems in Hip and Knee Arthroplasty. Journal of Arthroplasty, 2016, 31, 7-15.	3.1	8
77	Conversion of Failed Hemiarthroplasty to Total Hip Arthroplasty Remains High Risk for Subsequent Complications. Journal of Arthroplasty, 2019, 34, 2030-2036.	3.1	8
78	Midterm Results of Primary Exeter Cemented Stem in a Select Patient Population. Journal of Bone and Joint Surgery - Series A, 2021, 103, 1826-1833.	3.0	8
79	Liner malseating is rare with two modular dual-mobility designs. Bone and Joint Journal, 2022, 104-B, 598-603.	4.4	8
80	Collarless Taper Slip and Collared Composite Beam Stems Differ in Failure Modes and Reoperation Rates. Journal of Arthroplasty, 2022, 37, S598-S603.	3.1	7
81	Total Hip Arthroplasty in Patients With Osteogenesis Imperfecta. Journal of Arthroplasty, 2020, 35, 2131-2135.	3.1	6
82	Increased risk of periprosthetic joint infection after acute, traumatic wound dehiscence following primary total knee arthroplasty. Bone and Joint Journal, 2021, 103-B, 191-195.	4.4	6
83	Costs of open, arthroscopic and combined surgery for developmental dysplasia of the hip. Journal of Hip Preservation Surgery, 2021, 7, 570-574.	1.3	6
84	No difference in 90-day complications between bilateral unicompartmental and total knee arthroplasty. American Journal of Orthopedics, 2014, 43, E30-3.	0.7	6
85	Minimum 10-Year Survivorship of Mobile-Bearing Unicompartmental Arthroplasty: Single Surgeon, North American Non-Designer Consecutive Series. Journal of Arthroplasty, 2022, 37, S88-S93.	3.1	6
86	Evidence against implant-derived cobalt toxicity: Case report and retrospective study of serum cobalt concentrations in an orthopedic implant population. Clinical Biochemistry, 2015, 48, 130-134.	1.9	5
87	Bilateral pelvic discontinuity: a unique condition characterized by high failure rates of current treatment. Arthroplasty Today, 2016, 2, 183-186.	1.6	5
88	High Rate of Positive Cultures in Patients Referred With Antibiotic Spacers as Part of 2-Stage Exchange. Journal of Arthroplasty, 2018, 33, 2230-2233.	3.1	5
89	Constrained Liner Revision Is Less Effective With Each Subsequent Constrained Liner Revision at Preventing Instability. Journal of Arthroplasty, 2019, 34, S282-S286.	3.1	5
90	Satisfactory Results of the Exeter Revision Femoral Stem Used for Primary Total Hip Arthroplasty. Journal of Arthroplasty, 2017, 32, 494-498.	3.1	4

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91	Sonication Culture of Antimicrobial Agent-Containing Cement Spacers Removed during Staged Revisions for Arthroplasty Infection. <i>Journal of Clinical Microbiology</i> , 2019, 57, .	3.9	4
92	Unicompartmental knee arthroplasty over total knee arthroplasty: a more cost-effective strategy for treating medial compartment arthritis. <i>Annals of Translational Medicine</i> , 2020, 8, 510-510.	1.7	4
93	Addressing intraarticular pathology at the time of anteverting periacetabular osteotomy for acetabular retroversion is associated with better short-term patient-reported outcomes. <i>Journal of Hip Preservation Surgery</i> , 2021, 8, 90-104.	1.3	4
94	Increased Risk of Postoperative Complications After Total Knee Arthroplasty in Patients With Previous Patellectomy. <i>Journal of Arthroplasty</i> , 2016, 31, 2278-2281.	3.1	3
95	Successful Outcomes at Midterm Follow-up of Periacetabular Osteotomy Done for Mild Hip Dysplasia. <i>The Journal of Hip Surgery</i> , 2017, 01, 167-172.	0.1	3
96	Acetabular Focal Chondral Lesions Are Not Associated With Worse Outcomes After Periacetabular Osteotomy: A Matched Group Analyses. <i>Journal of Arthroplasty</i> , 2018, 33, S61-S65.	3.1	3
97	Tripolar Articulations as a "High Stability Bearing" for Revision Total Hip Arthroplasty: Success Rates and Risk Factors for Failure. <i>Journal of Arthroplasty</i> , 2020, 35, 2188-2194.	3.1	3
98	Risk factors for long-term hip osteoarthritis in patients with hip dysplasia without surgical intervention. <i>Journal of Hip Preservation Surgery</i> , 2022, 9, 18-21.	1.3	3
99	Lack of Bone-on-Bone Arthritis Is Not a Strict Contraindication for Mobile-Bearing Unicompartmental Knee Arthroplasty. <i>JBJS Open Access</i> , 2020, 5, e19.00058-e19.00058.	1.5	2
100	DISLOCATION RATE AFTER HIP HEMIARTHROPLASTY IN PATIENTS WITH TUMOR-RELATED CONDITIONS. <i>Journal of Bone and Joint Surgery - Series A</i> , 2005, 87, 1810-1815.	3.0	2
101	T�nnis Grade 1 dysplastic hips have improved patient-reported outcome scores when intraarticular pathology is treated during periacetabular osteotomy. <i>Journal of Hip Preservation Surgery</i> , 2021, 8, 282-292.	1.3	2
102	Scar Perception After Two Surgical Approaches for Total Hip Arthroplasty. <i>Arthroplasty Today</i> , 2022, 14, 96-99.	1.6	2
103	Total Hip Arthroplasty in Patients with Spasticity. <i>JBJS Reviews</i> , 2019, 7, e10-e10.	2.0	1
104	In Reply: Total Knee Arthroplasty After Lower Extremity Amputation: A Review of 13 Cases. <i>Journal of Arthroplasty</i> , 2014, 29, 2055.	3.1	0
105	Reply to the Letter to the Editor: The Chitranjan Ranawat Award: Running Subcuticular Closure Enables the Most Robust Perfusion After TKA: A Randomized Clinical Trial. <i>Clinical Orthopaedics and Related Research</i> , 2017, 475, 2343-2345.	1.5	0
106	Response to Letter to the Editor on "Cobalt and Chromium Ion Release in Metal-on-Polyethylene and Ceramic-on-Polyethylene THA: A Simulator Study With Cellular and Microbiological Correlations". <i>Journal of Arthroplasty</i> , 2020, 35, 1167.	3.1	0
107	Cement-In-Cement All-Polyethylene Tibial Revision. <i>JBJS Case Connector</i> , 2020, 10, e20.00260-e20.00260.	0.3	0