

# Antonio Herrera

## List of Publications by Year in descending order

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97  
papers

2,867  
citations

159358

30  
h-index

197535

49  
g-index

102  
all docs

102  
docs citations

102  
times ranked

2823  
citing authors

#	ARTICLE	IF	CITATIONS
1	Predictive factors for cutting-out in femoral intramedullary nailing. <i>Injury</i> , 2010, 41, 1312-1316.	0.7	122
2	The relevance of biomaterials to the prevention and treatment of osteoporosis. <i>Acta Biomaterialia</i> , 2014, 10, 1793-1805.	4.1	120
3	A comparative study of trochanteric fractures treated with the Gamma nail or the proximal femoral nail. <i>International Orthopaedics</i> , 2002, 26, 365-369.	0.9	112
4	EULAR/EFORT recommendations for management of patients older than 50 years with a fragility fracture and prevention of subsequent fractures. <i>Annals of the Rheumatic Diseases</i> , 2017, 76, 802-810.	0.5	111
5	Perioperative stimulation of erythropoiesis with intravenous iron and erythropoietin reduces transfusion requirements in patients with hip fracture. A prospective observational study. <i>Vox Sanguinis</i> , 2005, 88, 235-243.	0.7	109
6	Single-row versus double-row arthroscopic repair in the treatment of rotator cuff tears: a prospective randomized clinical study. <i>International Orthopaedics</i> , 2012, 36, 1877-1883.	0.9	104
7	Perioperative intravenous iron, with or without erythropoietin, plus restrictive transfusion protocol reduce the need for allogeneic blood after knee replacement surgery. <i>Transfusion</i> , 2006, 46, 1112-1119.	0.8	91
8	Trochanteric fractures treated with a proximal femoral nail. <i>International Orthopaedics</i> , 2001, 25, 298-301.	0.9	83
9	The treatment of proximal humerus nonunions in older patients with reverse shoulder arthroplasty. <i>Injury</i> , 2012, 43, S3-S6.	0.7	72
10	The use of the Lima reverse shoulder arthroplasty for the treatment of fracture sequelae of the proximal humerus. <i>Journal of Orthopaedic Science</i> , 2012, 17, 141-147.	0.5	72
11	Clinical outcomes of minimally invasive versus open approach for one-level transforaminal lumbar interbody fusion at the 3- to 4-year follow-up. <i>European Spine Journal</i> , 2013, 22, 2857-2863.	1.0	69
12	Multinational survey of osteoporotic fracture management. <i>Osteoporosis International</i> , 2005, 16, S44-S53.	1.3	65
13	Epidemiology of osteoporotic hip fractures in Spain. <i>International Orthopaedics</i> , 2006, 30, 11-14.	0.9	63
14	Seven to 10 Years Followup of an Anatomic Hip Prosthesis. <i>Clinical Orthopaedics and Related Research</i> , 2004, 423, 129-137.	0.7	57
15	Perioperative and short-term advantages of mini-open approach for lumbar spinal fusion. <i>European Spine Journal</i> , 2009, 18, 1194-1201.	1.0	57
16	Bone Remodelling after Total Hip Arthroplasty Using an Uncemented Anatomic Femoral Stem: A Three-Year Prospective Study Using Bone Densitometry. <i>Journal of Orthopaedic Surgery</i> , 2006, 14, 32-37.	0.4	53
17	Efficacy of preoperative recombinant human erythropoietin administration for reducing transfusion requirements in patients undergoing surgery for hip fracture repair. An observational cohort study. <i>Vox Sanguinis</i> , 2009, 97, 260-267.	0.7	53
18	Long-term study of bone remodelling after femoral stem: A comparison between dxa and finite element simulation. <i>Journal of Biomechanics</i> , 2007, 40, 3615-3625.	0.9	50

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19	Spinal Hydatidosis. Spine, 2005, 30, 2439-2444.	1.0	49
20	EXTRASPINAL BONE HYDATIDOSIS. Journal of Bone and Joint Surgery - Series A, 2003, 85, 1790-1794.	1.4	48
21	Orthopaedic surgeons and fragility fractures. Journal of Bone and Joint Surgery: British Volume, 2004, 86-B, 958-961.	3.4	47
22	The use of Barthel index for the assessment of the functional recovery after osteoporotic hip fracture: One year follow-up. PLoS ONE, 2019, 14, e0212000.	1.1	42
23	Allograft reconstruction of segmental defects of the humeral head associated with posterior dislocations of the shoulder. Injury, 2008, 39, 319-322.	0.7	41
24	Cementless Hydroxyapatite Coated Hip Prostheses. BioMed Research International, 2015, 2015, 1-13.	0.9	41
25	NARP syndrome in a patient harbouring an insertion in the MT-ATP6 gene that results in a truncated protein. Journal of Medical Genetics, 2008, 46, 64-67.	1.5	40
26	Hydatidosis of the pelvis and hip. International Orthopaedics, 2001, 25, 302-304.	0.9	37
27	Management of Types III and IV Acetabular Deficiencies With the Longitudinal Oblong Revision Cup. Journal of Arthroplasty, 2006, 21, 857-864.	1.5	37
28	In-hospital care, complications, and 4-month mortality following a hip or proximal femur fracture: the Spanish registry of osteoporotic femur fractures prospective cohort study. Archives of Osteoporosis, 2018, 13, 96.	1.0	36
29	Fracture of a Ceramic Femoral Head After Ceramic-On-Ceramic Total Hip Arthroplasty. Journal of Arthroplasty, 2006, 21, 1072-1073.	1.5	35
30	In vivo osteointegration of three-dimensional crosslinked gelatin-coated hydroxyapatite foams. Acta Biomaterialia, 2012, 8, 3777-3783.	4.1	34
31	Applications of finite element simulation in orthopedic and trauma surgery. World Journal of Orthopedics, 2012, 3, 25.	0.8	33
32	Male osteoporosis: A review. World Journal of Orthopedics, 2012, 3, 223.	0.8	32
33	Treatment of humeral shaft nonunions: nailing versus plating. Archives of Orthopaedic and Trauma Surgery, 2004, 124, 92-95.	1.3	31
34	Atraumatic spontaneous posterior subluxation of the sternoclavicular joint. Archives of Orthopaedic and Trauma Surgery, 1999, 119, 344-346.	1.3	30
35	Long-Term Remodeling in Proximal Femur Around a Hydroxyapatite-Coated Anatomic Stem. Journal of Arthroplasty, 2009, 24, 56-64.	1.5	29
36	Knee arthrodesis with the Wichita fusion nail. International Orthopaedics, 2004, 28, 25-27.	0.9	28

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37	Finite element simulation and clinical follow-up of lumbar spine biomechanics with dynamic fixations. PLoS ONE, 2017, 12, e0188328.	1.1	28
38	The incidence of distal forearm fractures in Zaragoza (Spain). Chirurgie De La Main, 2003, 22, 211-215.	0.7	26
39	Arthroscopic treatment for malunions of the proximal humeral greater tuberosity. International Orthopaedics, 2010, 34, 1207-1211.	0.9	26
40	Short-term perioperative iron in major orthopedic surgery: state of the art. Vox Sanguinis, 2019, 114, 3-16.	0.7	26
41	Late lower extremity fractures in patients with paraplegia. Injury, 2002, 33, 583-586.	0.7	25
42	Two-Plate Fixation for Humeral Shaft Nonunions. Journal of Orthopaedic Surgery, 2009, 17, 135-138.	0.4	25
43	Fixation strength of biocomposite wedge interference screw in ACL reconstruction: effect of screw length and tunnel/screw ratio. A controlled laboratory study. BMC Musculoskeletal Disorders, 2010, 11, 139.	0.8	25
44	Outcome and Structural Integrity of Rotator Cuff after Arthroscopic Treatment of Large and Massive Tears with Double Row Technique: A 2-Year Followup. Advances in Orthopedics, 2013, 2013, 1-6.	0.4	24
45	Prevalence of osteoporotic vertebral fracture in Spanish women over age 45. Maturitas, 2015, 80, 288-295.	1.0	24
46	Changes in periprosthetic bone remodelling after redesigning an anatomic cementless stem. International Orthopaedics, 2009, 33, 373-379.	0.9	23
47	Good results with unreamed nail and bone grafting for humeral nonunion. Acta Orthopaedica, 2002, 73, 273-276.	1.4	21
48	Results of osteosynthesis with the ITST nail in fractures of the trochanteric region of the femur. International Orthopaedics, 2008, 32, 767-772.	0.9	21
49	Delayed Union in Pediatric Forearm Fractures. Journal of Pediatric Orthopaedics, 2012, 32, 54-57.	0.6	21
50	Development and Kinematic Verification of a Finite Element Model for the Lumbar Spine: Application to Disc Degeneration. BioMed Research International, 2013, 2013, 1-18.	0.9	21
51	Philos Plate Fixation for Proximal Humeral Fractures. Journal of Orthopaedic Surgery, 2009, 17, 10-14.	0.4	19
52	Management of sternoclavicular dislocation in young children: considerations about diagnosis and treatment of four cases. Musculoskeletal Surgery, 2013, 97, 137-143.	0.7	19
53	Influence of Sterilization Techniques on the In Vitro Bioactivity of Pseudowollastonite. Journal of the American Ceramic Society, 2006, 89, 2619-2624.	1.9	18
54	A comparative study of hyperelastic constitutive models for colonic tissue fitted to multiaxial experimental testing. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 102, 103507.	1.5	18

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55	Efficacy of topical tranexamic acid within a blood-saving programme for primary total hip arthroplasty: a pragmatic, open-label randomised study. <i>Blood Transfusion</i> , 2018, 16, 490-497.	0.3	18
56	Study of bone remodeling of two models of femoral cementless stems by means of DEXA and finite elements. <i>BioMedical Engineering OnLine</i> , 2010, 9, 22.	1.3	17
57	Long-Term Outcomes of a New Model of Anatomical Hydroxyapatite-Coated Hip Prosthesis. <i>Journal of Arthroplasty</i> , 2013, 28, 1160-1166.	1.5	17
58	Mid-Term Study of Bone Remodeling After Femoral Cemented Stem Implantation: Comparison Between DXA and Finite Element Simulation. <i>Journal of Arthroplasty</i> , 2014, 29, 90-100.	1.5	17
59	A methodology for the customized design of colonic stents based on a parametric model. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 71, 250-261.	1.5	17
60	Comparative Analysis of the Biomechanical Behaviour of Two Cementless Short Stems for Hip Replacement: Linea Anatomic and Minihip. <i>PLoS ONE</i> , 2016, 11, e0158411.	1.1	15
61	Instability of the lumbar spine due to disc degeneration. A finite element simulation. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2013, 04, 548-556.	0.3	15
62	Influence of gap size, screw configuration, and nail materials in the stability of anterograde reamed intramedullary nail in femoral transverse fractures. <i>Injury</i> , 2017, 48, S40-S46.	0.7	14
63	Treatment of humeral shaft nonunion by external fixation: a valuable option. <i>Journal of Orthopaedic Science</i> , 2001, 6, 238-241.	0.5	12
64	Comparison of two different posterior approaches for hemiarthroplasty of the hip. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2002, 122, 51-52.	1.3	12
65	The floating metatarsal: first metatarsophalangeal joint dislocation with associated lisfranc dislocation. <i>Journal of Foot and Ankle Surgery</i> , 2003, 42, 309-311.	0.5	12
66	Study of the Polycarbonate-Urethane/Metal Contact in Different Positions during Gait Cycle. <i>BioMed Research International</i> , 2014, 2014, 1-11.	0.9	12
67	Hematogenous osteomyelitis of the patella. <i>Journal of Pediatric Orthopaedics Part B</i> , 2012, 21, 411-414.	0.3	11
68	Study of the Behavior of a Bell-Shaped Colonic Self-Expandable NiTi Stent under Peristaltic Movements. <i>BioMed Research International</i> , 2013, 2013, 1-10.	0.9	11
69	Changes in the morphology of hip fractures within a 10-year period. <i>Journal of Bone and Mineral Metabolism</i> , 2001, 19, 378-381.	1.3	10
70	Influence of screw combination and nail materials in the stability of anterograde reamed intramedullary nail in distal femoral fractures. <i>Injury</i> , 2017, 48, S47-S53.	0.7	10
71	Marchetti nailing with decortication and bone graft in non-unions of the two upper thirds of the humerus. <i>Chirurgie De La Main</i> , 2002, 21, 28-32.	0.7	9
72	A mechanical model for predicting the probability of osteoporotic hip fractures based in DXA measurements and finite element simulation. <i>BioMedical Engineering OnLine</i> , 2012, 11, 84.	1.3	8

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73	Utility and cost of lowâ€vacuum reinfusion drains in patients undergoing surgery for subcapital hip fracture repair. A before and after cohort study. Vox Sanguinis, 2014, 106, 83-91.	0.7	7
74	On the relevance of preoperative haemoglobin optimisation within a Patient Blood Management programme for elective hip arthroplasty surgery. Blood Transfusion, 2020, 18, 182-190.	0.3	7
75	Deforming chondrosarcoma of the fingers secondary to a long term enchondromatosis of 28Âyears. Chirurgie De La Main, 2004, 23, 196-200.	0.7	6
76	Carpal tunnel syndrome due to heterotopic ossification. Journal of Orthopaedic Science, 2003, 8, 596-598.	0.5	5
77	Marchetti nailing of closed fresh humeral shaft fractures. Chirurgie De La Main, 2004, 23, 237-242.	0.7	5
78	Extensive Osteolysis Caused By Polyethylene Particle Migration in an Anatomical Hydroxyapatite-Coated Hip Prosthesis: 10 Years' Follow-Up. Journal of Arthroplasty, 2010, 25, 1115-1124.e1.	1.5	5
79	Aggressive digital papillary adenocarcinoma of the hand: An unsuspected malignant tumour of the sweat glands. Journal of Plastic Surgery and Hand Surgery, 2012, 46, 294-296.	0.4	5
80	Marchetti nailing of humeral shaft delayed unions. Injury, 2004, 35, 257-263.	0.7	4
81	Ossifying neuropathy of the median nerve at level of the distal forearm and carpal tunnel in a patient with familial history of heterotopic calcification. Chirurgie De La Main, 2009, 28, 318-321.	0.7	4
82	Thumb metacarpophalangeal joint ligament reconstruction with a triangular tendon graft in posttraumatic chronic instability. Chirurgie De La Main, 2012, 31, 1-6.	0.7	4
83	Reimplantation of a segment of humeral metaphysis in a type IIIA open fracture. European Journal of Orthopaedic Surgery and Traumatology, 2006, 16, 33-35.	0.6	3
84	Unusual complications of supracondylar nails. Injury, 2000, 31, 811-813.	0.7	2
85	Benign calcifying fibrous-myofibroblastic tumor mimicking myositis ossificans in a 22-month-old girl. Journal of Pediatric Surgery, 2011, 46, e5-e8.	0.8	2
86	Application of a model based on dual-energy X-ray absorptiometry and finite element simulation for predicting the probability of osteoporotic hip fractures to a sample of people over 60 years. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2015, 229, 369-385.	1.0	2
87	Are the unreamed nails indicated in diaphyseal fractures of the lower extremity? A biomechanical study. Injury, 2021, 52, S61-S70.	0.7	2
88	IngenierÃa tisular del tejido Ã³seo. DiseÃ±o y desarrollo de materiales hÃbridos biolÃ³gicamente activos basados en vitrocerÃmicas para sustituciÃ³n Ã³sea. Revista EspaÃ±ola De CirugÃa OrtopÃ©dica Y TraumatologÃa, 2010, 54, 59-68.	0.1	1
89	Perioperative iron administration as an alternative to blood transfusion in major surgery. Transfusion Alternatives in Transfusion Medicine, 2012, 12, 157-163.	0.2	1
90	Design, Simulation, and Experimentation of Colonic Stents. , 2019, , 33-61.		1

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91	Adaptive Bone Remodeling With New Design of the ABC Stem. Densitometric Study. Journal of Clinical Densitometry, 2019, 22, 351-358.	0.5	1
92	Bone Remodeling of Two Anatomic Stems: Densitometric Study of the Redesign of the ABC-II Stem. Arthroplasty Today, 2020, 6, 480-486.	0.8	1
93	Remodelado Ã³seo periprotÃ©sico con un vÃ¡stago femoral anatÃ³mico no cementado. Estudio densitomÃ©trico longitudinal a tres aÃ±os. Revista De Ortopedia Y Traumatologia, 2006, 50, 419-424.	0.1	0
94	High incidence of proximal humerus fractures in women treated on an outpatient basis for fragility fractures, with significant impact on upper extremity function and subjective perception of well-being. Bone, 2008, 43, S71.	1.4	0
95	Implementation of a restrictive transfusion protocol reduces the need for allogeneic blood transfusion in proximal humerus fracture repair without affecting patient outcome: preliminary observations. Transfusion Alternatives in Transfusion Medicine, 2008, 10, 17-21.	0.2	0
96	Design of splints based on the NiTi alloy for the correction of joint deformities in the fingers. BioMedical Engineering OnLine, 2010, 9, 49.	1.3	0
97	Hydatidosis of the Spine. , 2014, , 99-119.		0