## Enrique Gomez-Barrena

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Both younger and elderly patients in pain are willing to undergo knee replacement despite the COVID-19 pandemic: a study on surgical waiting lists. Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 2723-2730.	2.3	3
2	Prevention of Periprosthetic Joint Infection in Total Hip and Knee Replacement: One European Consensus. Journal of Clinical Medicine, 2022, 11, 381.	1.0	5
3	Complications and surgical treatment after pathological fracture associated to HIV secondary disease. A case report. Journal of Surgical Case Reports, 2022, 2022, .	0.2	0
4	Osteonecrosis of the Femoral Head Safely Healed with Autologous, Expanded, Bone Marrow-Derived Mesenchymal Stromal Cells in a Multicentric Trial with Minimum 5 Years Follow-Up. Journal of Clinical Medicine, 2021, 10, 508.	1.0	19
5	Implantation of autologous Expanded Mesenchymal Stromal Cells in Hip Osteonecrosis through Percutaneous Forage: Evaluation of the Operative Technique. Journal of Clinical Medicine, 2021, 10, 743.	1.0	3
6	An update about molecular biology techniques to detect orthopaedic implant-related infections. EFORT Open Reviews, 2021, 6, 93-100.	1.8	21
7	The contribution of the histopathological examination to the diagnosis of adverse local tissue reactions in arthroplasty. EFORT Open Reviews, 2021, 6, 399-419.	1.8	27
8	Epidemiology of long bone non-unions in Spain. Injury, 2021, 52, S3-S7.	0.7	8
9	One-Year, Efficacy and Safety Open Label Study, with a Single Injection of a New Hyaluronan for Knee OA: The SOYA Trial. Journal of Pain Research, 2021, Volume 14, 2229-2237.	0.8	2
10	Frontiers in non-union research. EFORT Open Reviews, 2020, 5, 574-583.	1.8	11
11	Defining the Most Effective Patient Blood Management Combined with Tranexamic Acid Regime in Primary Uncemented Total Hip Replacement Surgery. Journal of Clinical Medicine, 2020, 9, 1952.	1.0	1
12	Resuming hip and knee arthroplasty after COVID-19: ethical implications for wellbeing, safety and the economy. HIP International, 2020, 30, 492-499.	0.9	23
13	Validation of a long bone fracture non-union healing score after treatment with mesenchymal stromal cells combined to biomaterials. Injury, 2020, 51, S55-S62.	0.7	18
14	Early efficacy evaluation of mesenchymal stromal cells (MSC) combined to biomaterials to treat long bone non-unions. Injury, 2020, 51, S63-S73.	0.7	32
15	Limiting spread of COVID-19 in an orthopaedic department—a perspective from Spain. Journal of Surgical Case Reports, 2020, 2020, rjaa095.	0.2	10
16	Biomarkers of bone healing induced by a regenerative approach based on expanded bone marrow–derived mesenchymal stromal cells. Cytotherapy, 2019, 21, 870-885.	0.3	9
17	Complications in Total Joint Arthroplasties. Journal of Clinical Medicine, 2019, 8, 1891.	1.0	5
18	CORR Insights®: High Oxidation Stability of Tea Polyphenol-stabilized Highly Crosslinked UHMWPE Under an in Vitro Aggressive Oxidative Condition. Clinical Orthopaedics and Related Research, 2019, 477, 1956-1957.	0.7	0

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19	Feasibility and safety of treating non-unions in tibia, femur and humerus with autologous, expanded, bone marrow-derived mesenchymal stromal cells associated with biphasic calcium phosphate biomaterials in a multicentric, non-comparative trial. Biomaterials, 2019, 196, 100-108.	5.7	87
20	Sonication of Removed Implants in the Infected Total Knee Arthroplasty. , 2018, , 117-121.		1
21	Cellular and molecular meniscal changes in the degenerative knee: a review. Journal of Experimental Orthopaedics, 2018, 5, 11.	0.8	10
22	A Multicentric, Open-Label, Randomized, Comparative Clinical Trial of Two Different Doses of Expanded hBM-MSCs Plus Biomaterial versus Iliac Crest Autograft, for Bone Healing in Nonunions after Long Bone Fractures: Study Protocol. Stem Cells International, 2018, 2018, 1-13.	1.2	25
23	Smart Implants as a Novel Strategy to Regenerate Well-Founded Cartilage. Trends in Biotechnology, 2017, 35, 8-11.	4.9	15
24	CORR Insights®: Periprosthetic Occult Fractures of the Acetabulum Occur Frequently During Primary THA. Clinical Orthopaedics and Related Research, 2017, 475, 495-497.	0.7	3
25	Evaluation of bacterial adherence of clinical isolates of <i>Staphylococcus sp.</i> using a competitive model. Bone and Joint Research, 2017, 6, 315-322.	1.3	22
26	Substrate Microarchitecture Shapes the Paracrine Crosstalk of Stem Cells with Endothelial Cells and Osteoblasts. Scientific Reports, 2017, 7, 15182.	1.6	15
27	Changes of Bone Turnover Markers in Long Bone Nonunions Treated with a Regenerative Approach. Stem Cells International, 2017, 2017, 1-11.	1.2	11
28	Intra-articular Corticosteroids and Hyaluronic Acid in the Knee Joint. , 2017, , 23-28.		0
29	Low-volume formulation of intra-articular tranexamic acid, 25-ml tranexamic acid (2.5 g) plus 20-ml saline, is effective in decreasing blood transfusion rate in primary total knee replacement even without preoperative haemoglobin optimization. Blood Coagulation and Fibrinolysis, 2016, 27, 660-666.	0.5	16
30	Drug treatments for prosthetic joint infections in the era of multidrug resistance. Expert Opinion on Pharmacotherapy, 2016, 17, 1233-1246.	0.9	21
31	Mid-Term Comparative Outcomes of Autologous Bone-Marrow Concentration to Treat Osteonecrosis of the Femoral Head in Standard Practice. HIP International, 2016, 26, 432-437.	0.9	21
32	On the interactions of human bone cells with Ti6Al4V thermally oxidized by means of laser shock processing. Biomedical Materials (Bristol), 2016, 11, 015009.	1.7	15
33	Bacterial adhesion on biomedical surfaces covered by yttria stabilized zirconia. Journal of Materials Science: Materials in Medicine, 2016, 27, 6.	1.7	11
34	Effect of different agents with potential antibiofilm activity on antimicrobial susceptibility of biofilms formed by Staphylococcus spp. isolated from implant-related infections. Journal of Antibiotics, 2016, 69, 686-688.	1.0	6
35	Meniscal degeneration in human knee osteoarthritis: in situ hybridization and immunohistochemistry study. Archives of Orthopaedic and Trauma Surgery, 2016, 136, 175-183.	1.3	21
36	Tranexamic Acid in a Multimodal Blood Loss Prevention Protocol to Decrease Blood Loss in Revision Total Knee Arthroplasty: A Cohort Study. The Open Orthopaedics Journal, 2016, 10, 439-447.	0.1	22

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37	Late Infections of the Knee Joint: Arthrodesis or Other Solutions. , 2016, , 283-291.		0
38	Bone fracture healing: Cell therapy in delayed unions and nonunions. Bone, 2015, 70, 93-101.	1.4	330
39	Yrjö Tapio Konttinen 1952–2014. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 86, 145-146.	1.2	0
40	CORR Insights®: Retrieval Analysis of Sequentially Annealed Highly Crosslinked Polyethylene Used in Total Hip Arthroplasty. Clinical Orthopaedics and Related Research, 2015, 473, 972-973.	0.7	1
41	CORR Insights®: Revision of Metal-on-metal Hip Prostheses Results in Marked Reduction of Blood Cobalt and Chromium Ion Concentrations. Clinical Orthopaedics and Related Research, 2015, 473, 2314-2315.	0.7	2
42	Osteostatin-Coated Porous Titanium Can Improve Early Bone Regeneration of Cortical Bone Defects in Rats. Tissue Engineering - Part A, 2015, 21, 1495-1506.	1.6	32
43	Influence of the nanostructure of <scp>F</scp> â€doped TiO <sub>2</sub> films on osteoblast growth and function. Journal of Biomedical Materials Research - Part A, 2015, 103, 1985-1990.	2.1	27
44	Widespread of total knee arthroplasty perioperative blood management techniques based on tranexamic acid: barriers and opportunities. Annals of Translational Medicine, 2015, 3, 299.	0.7	3
45	European musculoskeletal health and mobility in Horizon 2020. Bone and Joint Research, 2014, 3, 48-50.	1.3	12
46	Regional variability in the rates of total hip replacement in Spain. HIP International, 2014, 24, 81-90.	0.9	5
47	Topical Intra-Articular Compared with Intravenous Tranexamic Acid to Reduce Blood Loss in Primary Total Knee Replacement. Journal of Bone and Joint Surgery - Series A, 2014, 96, 1937-1944.	1.4	191
48	Bacterial Adherence to Biomaterials Used in Surgical Procedures. , 2014, , 41-57.		10
49	Transportation Conditions for Prompt Use of <i>Ex Vivo</i> Expanded and Freshly Harvested Clinical-Grade Bone Marrow Mesenchymal Stromal/Stem Cells for Bone Regeneration. Tissue Engineering - Part C: Methods, 2014, 20, 239-251.	1.1	39
50	Parathyroid hormone-related protein (107-111) improves the bone regeneration potential of gelatin–glutaraldehyde biopolymer-coated hydroxyapatite. Acta Biomaterialia, 2014, 10, 3307-3316.	4.1	28
51	The relevance of biomaterials to the prevention and treatment of osteoporosis. Acta Biomaterialia, 2014, 10, 1793-1805.	4.1	120
52	Blood transfusion after primary total knee arthroplasty can be significantly minimised through a multimodal blood-loss prevention approach. International Orthopaedics, 2014, 38, 347-354.	0.9	77
53	Human boneâ€lineage cell responses to anisotropic Ti6Al4V surfaces are dependent on their maturation state. Journal of Biomedical Materials Research - Part A, 2014, 102, 3154-3166.	2.1	3
54	Regulatory authorities and orthopaedic clinical trials on expanded mesenchymal stem cells. International Orthopaedics, 2014, 38, 1803-1809.	0.9	19

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55	Factors influencing regional variability in the rate of total knee arthroplasty. Knee, 2014, 21, 236-241.	0.8	9
56	Parámetros de marcha en una muestra de referencia de escolares sanos españoles: descripción multivariante y asimetrÃas entre ciclos izquierdos y derechos. NeurologÃa, 2013, 28, 145-152.	0.3	8
57	Osteoporotic hip fractures: Bisphosphonates sales and observed turning point in trend. A population-based retrospective study. Bone, 2013, 53, 430-436.	1.4	20
58	Evaluation of a minimally aggressive method of patellofemoral osteoarthritis treatment at 10 years minimum follow-up. Knee, 2013, 20, 476-481.	0.8	18
59	Doped TiO2 anodic layers of enhanced antibacterial properties. Colloids and Surfaces B: Biointerfaces, 2013, 105, 106-112.	2.5	57
60	In vitro susceptibility to antibiotics of staphylococci in biofilms isolated from orthopaedic infections. International Journal of Antimicrobial Agents, 2013, 41, 521-523.	1.1	79
61	Neuromuscular Control of Dynamic Joint Stabilization with a Knee Brace: Implications to Improve Muscle and Balance Control. Biosystems and Biorobotics, 2013, , 167-171.	0.2	0
62	In vitro susceptibility of Staphylococcus aureus and Staphylococcus epidermidis isolated from prosthetic joint infections. Journal of Antibiotics, 2012, 65, 505-508.	1.0	19
63	Usefulness of SBA-15 mesoporous ceramics as a delivery system for vancomycin, rifampicin and linezolid: a preliminary report. International Journal of Antimicrobial Agents, 2012, 40, 252-256.	1.1	48
64	PCR-hybridization after sonication improves diagnosis of implant-related infection. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 83, 299-304.	1.2	78
65	Bacterial adherence to vitamin E UHMWPE. Considerations about in vitro studies. Journal of Orthopaedic Research, 2012, 30, 1181-1181.	1.2	7
66	Bacterial adherence to separated modular components in joint prosthesis: A clinical study. Journal of Orthopaedic Research, 2012, 30, 1634-1639.	1.2	55
67	Bacterial adhesion on biomedical surfaces covered by micrometric silver Islands. Journal of Biomedical Materials Research - Part A, 2012, 100A, 1521-1528.	2.1	10
68	<i>In vitro</i> assessment of <i>Staphylococcus epidermidis</i> and <i>Staphylococcus aureus</i> adhesion on TiO <sub>2</sub> nanotubes on Ti–6Al–4V alloy. Journal of Biomedical Materials Research - Part A, 2012, 100A, 1696-1705.	2.1	64
69	DLC coatings for UHMWPE: Relationship between bacterial adherence and surface properties. Journal of Biomedical Materials Research - Part A, 2012, 100A, 2813-2820.	2.1	15
70	Histomorphometry of the Ligaments Using a Generic-Purpose Image Processing Software, a New Strategy for Semi-Automatized Measurements. Journal of Digital Imaging, 2012, 25, 527-536.	1.6	2
71	Osteostatin-loaded onto mesoporous ceramics improves the early phase of bone regeneration in a rabbit osteopenia model. Acta Biomaterialia, 2012, 8, 2317-2323.	4.1	51
72	Mullins effect behaviour under compression in micelle-templated silica and micelle-templated silica/agarose systems. Journal of Materials Science: Materials in Medicine, 2012, 23, 229-238.	1.7	6

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73	Microbiological Diagnosis of Prosthetic Joint Infection. , 2012, , 165-179.		2
74	Sonication of Intramedullary Nails: Clinically-Related Infection and Contamination. The Open Orthopaedics Journal, 2012, 6, 255-260.	0.1	24
75	Molecular Diagnosis of Prosthetic Joint Infection. , 2012, , 193-211.		1
76	The Câ€terminal fragment of parathyroid hormoneâ€related peptide promotes bone formation in diabetic mice with lowâ€turnover osteopaenia. British Journal of Pharmacology, 2011, 162, 1424-1438.	2.7	43
77	Bone regeneration and stem cells. Journal of Cellular and Molecular Medicine, 2011, 15, 718-746.	1.6	308
78	Bone regeneration: stem cell therapies and clinical studies in orthopaedics and traumatology. Journal of Cellular and Molecular Medicine, 2011, 15, 1266-1286.	1.6	116
79	Bacterial adherence on UHMWPE with vitamin E: an in vitro study. Journal of Materials Science: Materials in Medicine, 2011, 22, 1701-1706.	1.7	30
80	An experimental study of COMP (cartilage oligomeric matrix protein) in the rabbit menisci. Archives of Orthopaedic and Trauma Surgery, 2011, 131, 1167-1176.	1.3	12
81	International survey of primary and revision total knee replacement. International Orthopaedics, 2011, 35, 1783-1789.	0.9	307
82	Compression behaviour of biphasic calcium phosphate and biphasic calcium phosphate–agarose scaffolds for bone regeneration. Acta Biomaterialia, 2011, 7, 841-847.	4.1	41
83	Oral dabigatran versus enoxaparin for thromboprophylaxis after primary total hip arthroplasty (RE-NOVATE II). Thrombosis and Haemostasis, 2011, 105, 721-729.	1.8	374
84	Blood Loss Control with Two Doses of Tranexamic Acid in a Multimodal Protocol for Total Knee Arthroplasty. The Open Orthopaedics Journal, 2011, 5, 44-48.	0.1	30
85	Antibacterial properties of biomedical surfaces containing micrometric silver islands. Journal of Physics: Conference Series, 2010, 252, 012015.	0.3	2
86	Bacterial adherence on fluorinated carbon based coatings deposited on polyethylene surfaces. Journal of Physics: Conference Series, 2010, 252, 012013.	0.3	4
87	Evaluation of the effect of vitamin E doped UHMWPE on biofilm development and infection using an <i>in vivo</i> experimental model. Journal of Physics: Conference Series, 2010, 252, 012016.	0.3	Ο
88	The osteoinductive properties of mesoporous silicate coated with osteostatin in a rabbit femur cavity defect model. Biomaterials, 2010, 31, 8564-8573.	5.7	87
89	Functional Performance with a Single-radius Femoral Design Total Knee Arthroplasty. Clinical Orthopaedics and Related Research, 2010, 468, 1214-1220.	0.7	34
90	Profile of tollâ€like receptor–positive cells in septic and aseptic loosening of total hip arthroplasty implants. Journal of Biomedical Materials Research - Part A, 2010, 94A, 84-92.	2.1	38

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91	Osteostatin-loaded bioceramics stimulate osteoblastic growth and differentiation. Acta Biomaterialia, 2010, 6, 797-803.	4.1	85
92	Effect of surface roughness and sterilization on bacterial adherence to ultra-high molecular weight polyethylene. Clinical Microbiology and Infection, 2010, 16, 1036-1041.	2.8	32
93	Bacterial adherence to anodized titanium alloy. Journal of Physics: Conference Series, 2010, 252, 012011.	0.3	9
94	Role of the N- and C-terminal Fragments of Parathyroid-Hormone-Related Protein as Putative Therapies to Improve Bone Regeneration Under High Glucocorticoid Treatment. Tissue Engineering - Part A, 2010, 16, 1157-1168.	1.6	31
95	Interactions of human bone cells with diamond-like carbon polymer hybrid coatings. Acta Biomaterialia, 2010, 6, 3325-3338.	4.1	22
96	Influencia del concentrado de plaquetas sobre la reconstrucción de defectos de cartÃlago articular en la rodilla de cordero. Revista Española De CirugÃa Ortopédica Y TraumatologÃa, 2010, 54, 378-382.	0.1	1
97	Biofilm development by clinical isolates of <i>Staphylococcus</i> spp. from retrieved orthopedic prostheses. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 81, 674-679.	1.2	54
98	Bacterial adherence to SiO <sub>2</sub> â€based multifunctional bioceramics. Journal of Biomedical Materials Research - Part A, 2009, 89A, 215-223.	2.1	22
99	Polyethylene Oxidation in Total Hip Arthroplasty: Evolution and New Advances. The Open Orthopaedics Journal, 2009, 3, 115-120.	0.1	13
100	Role of Parathyroid Hormone-Related Protein in the Decreased Osteoblast Function in Diabetes-Related Osteopenia. Endocrinology, 2009, 150, 2027-2035.	1.4	68
101	Biocompatibility of total joint replacements: A review. Journal of Biomedical Materials Research - Part A, 2009, 90A, 603-618.	2.1	67
102	Knee model of hydrodynamic lubrication during the gait cycle and the influence of prosthetic joint conformity. Journal of Orthopaedic Science, 2009, 14, 68-75.	0.5	13
103	Periarticular muscle stimulation controls anterior tibial laxity after experimental ACL section: an experimental study. Archives of Orthopaedic and Trauma Surgery, 2009, 129, 1053-1061.	1.3	1
104	Biofilm development by clinical strains of non-pigmented rapidly growing mycobacteria. Clinical Microbiology and Infection, 2009, 15, 931-936.	2.8	33
105	Influence of surface porosity and pH on bacterial adherence to hydroxyapatite and biphasic calcium phosphate bioceramics. Journal of Medical Microbiology, 2009, 58, 132-137.	0.7	53
106	Special modes of corrosion under physiological and simulated physiological conditions. Acta Biomaterialia, 2008, 4, 468-476.	4.1	267
107	Loss of neuromuscular control related to motion in the acutely ACL-injured knee: an experimental study. European Journal of Applied Physiology, 2008, 104, 567-577.	1.2	15
108	Adhesion of staphylococcal and Cacoâ€2 cells on diamondâ€like carbon polymer hybrid coating. Journal of Biomedical Materials Research - Part A, 2008, 86A, 760-768.	2.1	34

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109	Influence of platelet time activation on articular cartilage growth in the rabbit knee. Knee, 2008, 15, 314-317.	0.8	7
110	Update on UHMWPE research From the bench to the bedside. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 79, 832-840.	1.2	62
111	Insufficient recovery of neuromuscular activity around the knee after experimental anterior cruciate ligament reconstruction. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 79, 39-47.	1.2	20
112	Evaluation of Quantitative Analysis of Cultures from Sonicated Retrieved Orthopedic Implants in Diagnosis of Orthopedic Infection. Journal of Clinical Microbiology, 2008, 46, 488-492.	1.8	142
113	Comparative fatigue behavior and toughness of remelted and annealed highly crosslinked polyethylenes. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2007, 83B, 380-390.	1.6	120
114	Proprioception in the ACL-ruptured knee: The contribution of the medial collateral ligament and patellar ligament. An in vivo experimental study in the cat. Knee, 2007, 14, 39-45.	0.8	4
115	Reliability of a simple fluoroscopic method to study sagittal plane femorotibial contact changes in total knee arthroplasties during flexion. Knee, 2007, 14, 289-294.	0.8	3
116	Innervation of the Joint and Role of Neuropeptides. Annals of the New York Academy of Sciences, 2006, 1069, 149-154.	1.8	32
117	Influence of the remelting process on the fatigue behavior of electron beam irradiated UHMWPE. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2006, 76B, 346-353.	1.6	53
118	Microstructure changes of extruded ultra high molecular weight polyethylene after gamma irradiation and shelf-aging. Polymer Degradation and Stability, 2005, 88, 435-443.	2.7	64
119	Sequential changes of parathyroid hormone related protein (PTHrP) in articular cartilage during progression of inflammatory and degenerative arthritis. Annals of the Rheumatic Diseases, 2004, 63, 917-922.	0.5	18
120	Strategy to control methicillin-resistant Staphylococcus aureus post-operative infection in orthopaedic surgery. International Orthopaedics, 2004, 28, 16-20.	0.9	39
121	Fractography evolution in accelerated aging of UHMWPE after gamma irradiation in air. Biomaterials, 2004, 25, 9-21.	5.7	33
122	Comparative cyclic stress-strain and fatigue resistance behavior of electron-beam- and gamma-irradiated ultrahigh molecular weight polyethylene. , 2004, 70B, 152-160.		24
123	Fracture behavior of UHMWPE in non-implanted, shelf-aged knee prostheses after gamma irradiation in air. Biomaterials, 2001, 22, 2107-2114.	5.7	18
124	Anterior cruciate ligament reconstruction affects proprioception in the cat's knee. Acta Orthopaedica, 1999, 70, 185-193.	1.4	17
125	Materials in total joint replacement. Orthopaedics and Trauma, 1998, 12, 51-57.	0.3	32
126	Neural and muscular electric activity in the cat's knee: Changes when the anterior cruciate ligament is transected. Acta Orthopaedica, 1997, 68, 149-155.	1.4	15

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127	Knee ligaments and proprioception. Acta Orthopaedica, 1997, 68, 183-185.	1.4	0
128	Segmental sensory innervation of the anterior cruciate ligament and the patellar tendon of the cat's knee. Acta Orthopaedica, 1996, 67, 545-552.	1.4	27
129	Traumatic Dislocation of the Tibialis Posterior Tendon. Arteriosclerosis, Thrombosis, and Vascular Biology, 1995, 39, 1198-1200.	1.1	26