

Francesco Traina

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

2,225
citations

218381

26
h-index

276539

41
g-index

120
all docs

120
docs citations

120
times ranked

2116
citing authors

#	ARTICLE	IF	CITATIONS
1	Early Diagnosis of Ceramic Liner Fracture. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 55-63.	1.4	168
2	Current Concepts in the Biopsy of Musculoskeletal Tumors. <i>Journal of Bone and Joint Surgery - Series A</i> , 2015, 97, e7.	1.4	122
3	Fracture of Ceramic Bearing Surfaces following Total Hip Replacement: A Systematic Review. <i>BioMed Research International</i> , 2013, 2013, 1-8.	0.9	95
4	Sex Differences in Hip Morphology: Is Stem Modularity Effective for Total Hip Replacement?. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009, 91, 121-128.	1.4	75
5	The influence of the centre of rotation on implant survival using a modular stem hip prosthesis. <i>International Orthopaedics</i> , 2009, 33, 1513-1518.	0.9	65
6	Medical Malpractice: The Experience in Italy. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 434-442.	0.7	64
7	MicroCT examination of human bone specimens: effects of polymethylmethacrylate embedding on structural parameters. <i>Journal of Microscopy</i> , 2007, 225, 192-200.	0.8	62
8	A new Ag-nanostructured hydroxyapatite porous scaffold: Antibacterial effect and cytotoxicity study. <i>Materials Science and Engineering C</i> , 2021, 118, 111394.	3.8	61
9	Risk Factors for Ceramic Liner Fracture after Total Hip Arthroplasty. <i>HIP International</i> , 2012, 22, 607-614.	0.9	52
10	Current Concepts in the Biopsy of Musculoskeletal Tumors. <i>Scientific World Journal, The</i> , 2013, 2013, 1-7.	0.8	52
11	Ti-6Al-4V ELI microlattice structures manufactured by electron beam melting: Effect of unit cell dimensions and morphology on mechanical behaviour. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 753, 31-41.	2.6	52
12	Revision of Ceramic Hip Replacements for Fracture of a Ceramic Component. <i>Journal of Bone and Joint Surgery - Series A</i> , 2011, 93, e147(1)-e147(9).	1.4	51
13	Modular neck prostheses in DDH patients: 11-year results. <i>Journal of Orthopaedic Science</i> , 2011, 16, 14-20.	0.5	43
14	Comparative study of different tendon grasping techniques for arthroscopic repair of the rotator cuff. <i>Clinical Biomechanics</i> , 2006, 21, 799-803.	0.5	40
15	Surgical Treatment of Cavus Foot in Charcot-Marie-Tooth Disease: A Review of Twenty-four Cases. <i>Journal of Bone and Joint Surgery - Series A</i> , 2015, 97, e30.	1.4	39
16	Saphenous nerve injury during hamstring tendons harvest: Does the incision matter? A systematic review. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 3140-3145.	2.3	35
17	The Significance of Metal Staining on Alumina Femoral Heads in Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2007, 22, 14-19.	1.5	34
18	Collagen VI ⁺ NG2 axis in human tendon fibroblasts under conditions mimicking injury response. <i>Matrix Biology</i> , 2016, 55, 90-105.	1.5	33

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19	Mixing and matching in ceramic-on-metal hip arthroplasty: An in-vitro hip simulator study. <i>Journal of Biomechanics</i> , 2009, 42, 2439-2446.	0.9	32
20	Effect of the initial implant fitting on the predicted secondary stability of a cementless stem. <i>Medical and Biological Engineering and Computing</i> , 2004, 42, 222-229.	1.6	31
21	The influence of implant position on the wear of alumina-on-alumina studied in a hip simulator. <i>Wear</i> , 2004, 256, 400-405.	1.5	31
22	Ceramicâ€œOnâ€œMetal for Total Hip Replacement: Mixing and Matching Can Lead to High Wear. <i>Artificial Organs</i> , 2010, 34, 319-323.	1.0	31
23	Microseparation and Stripe Wear in Alumina-On-Alumina Hip Implants. <i>International Journal of Artificial Organs</i> , 2011, 34, 506-512.	0.7	31
24	Alumina-on-alumina hip implants. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2012, 94-B, 37-42.	3.4	29
25	Au, Pd and maghemite nanofunctionalized hydroxyapatite scaffolds for bone regeneration. <i>International Journal of Energy Production and Management</i> , 2020, 7, 461-469.	1.9	28
26	Long vs. short fusions for adult lumbar degenerative scoliosis: does balance matters?. <i>European Spine Journal</i> , 2015, 24, 887-892.	1.0	27
27	Modular Hip Stems: Determination of Disassembly Force of a Neck?Stem Coupling. <i>Artificial Organs</i> , 2007, 31, 166-170.	1.0	24
28	Long-Term Results of Total Hip Replacement in Patients with Legg-CalvÃ©-Perthes Disease. <i>Journal of Bone and Joint Surgery - Series A</i> , 2011, 93, e25.	1.4	24
29	Post-operative limb position can influence blood loss and range of motion after total knee arthroplasty: a systematic review. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 852-859.	2.3	24
30	Surgical treatment of hallux valgus associated with flexible flatfoot during growing age. <i>International Orthopaedics</i> , 2016, 40, 737-743.	0.9	23
31	Surgical treatment of aseptic forearm nonunion with plate and opposite bone graft strut. Autograft or allograft?. <i>International Orthopaedics</i> , 2015, 39, 1343-1349.	0.9	22
32	Temperature-Controlled Continuous Cold Flow Device after Total Knee Arthroplasty: A Randomized Controlled Trial Study. <i>Journal of Knee Surgery</i> , 2017, 30, 675-681.	0.9	22
33	Method for quantitative assessment of acetabular bone defects. <i>Journal of Orthopaedic Research</i> , 2019, 37, 181-189.	1.2	22
34	EARLY DIAGNOSIS OF CERAMIC LINER FRACTURE. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 55-63.	1.4	22
35	Antimicrobial Effect and Cytotoxic Evaluation of Mg-Doped Hydroxyapatite Functionalized with Au-Nano Rods. <i>Molecules</i> , 2021, 26, 1099.	1.7	20
36	Synovial fluid microanalysis allows early diagnosis of ceramic hip prosthesis damage. <i>Journal of Orthopaedic Research</i> , 2012, 30, 1312-1320.	1.2	19

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37	New aspects and approaches in pre-operative planning of hip reconstruction: a computer simulation. <i>Langenbeck's Archives of Surgery</i> , 2004, 389, 400-404.	0.8	18
38	Preservation of hamstring tibial insertion in anterior cruciate ligament reconstruction: a review of the current literature. <i>Musculoskeletal Surgery</i> , 2015, 99, 87-92.	0.7	18
39	Surgical treatment of stage II posterior tibialis tendon dysfunction: ten-year clinical and radiographic results. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2018, 28, 139-145.	0.6	18
40	Prenatal Diagnosis of Clubfoot: A Review of Current Available Methodology. <i>Folia Medica</i> , 2017, 59, 247-253.	0.2	17
41	Safety of Pregnancy and Delivery after Total Hip Arthroplasty. <i>Journal of Women's Health</i> , 2007, 16, 1300-1304.	1.5	16
42	Patient Weight more than Body Mass Index Influences Total Hip Arthroplasty Long Term Survival. <i>HIP International</i> , 2011, 21, 694-699.	0.9	16
43	Raman and fluorescence investigations on retrieved BioloX [®] Δ femoral heads. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1868-1876.	1.2	16
44	Does surgery for Scheuermann kyphosis influence sagittal spinopelvic parameters?. <i>European Spine Journal</i> , 2015, 24, 893-897.	1.0	16
45	Labral calcification plays a key role in hip pain and symptoms in femoroacetabular impingement. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 86.	0.9	16
46	Congenital idiopathic talipes equinovarus before and after walking age: observations and strategy of treatment from a series of 88 cases. <i>Journal of Orthopaedics and Traumatology</i> , 2016, 17, 81-87.	1.0	15
47	Standardization of hemipelvis alignment for in vitro biomechanical testing. <i>Journal of Orthopaedic Research</i> , 2018, 36, 1645-1652.	1.2	15
48	Dual-Functional Nano-Functionalized Titanium Scaffolds to Inhibit Bacterial Growth and Enhance Osteointegration. <i>Nanomaterials</i> , 2021, 11, 2634.	1.9	14
49	Wear of Metal-on-Metal Hip Bearings: Metallurgical Considerations after Hip Simulator Studies. <i>International Journal of Artificial Organs</i> , 2011, 34, 1155-1164.	0.7	13
50	Effect of Mechanical Strain on the Collagen VI Pericellular Matrix in Anterior Cruciate Ligament Fibroblasts. <i>Journal of Cellular Physiology</i> , 2014, 229, 878-886.	2.0	13
51	Platelet-Rich Plasma Combined with Hyaluronic Acid versus Leucocyte and Platelet-Rich Plasma in the Conservative Treatment of Knee Osteoarthritis. A Retrospective Study. <i>Medicina (Lithuania)</i> , 2021, 57, 232.	0.8	13
52	Structural allograft and primary press-fit cup for severe acetabular deficiency. <i>International Orthopaedics</i> , 2005, 29, 135-139.	0.9	12
53	Can Selective Soft Tissue Release and Cuboid Osteotomy Correct Neglected Clubfoot?. <i>Clinical Orthopaedics and Related Research</i> , 2013, 471, 2658-2665.	0.7	12
54	Quantitative assessment of acetabular bone defects: A study of 50 computed tomography data sets. <i>PLoS ONE</i> , 2019, 14, e0222511.	1.1	12

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55	Tendon Extracellular Matrix Remodeling and Defective Cell Polarization in the Presence of Collagen VI Mutations. <i>Cells</i> , 2020, 9, 409.	1.8	12
56	Dependence of trabecular structure on bone quantity: A comparison between osteoarthritic and non-pathological bone. <i>Clinical Biomechanics</i> , 2011, 26, 632-639.	0.5	11
57	Outcomes of total hip replacement in patients with slipped capital femoral epiphysis. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2012, 132, 1133-1139.	1.3	11
58	Arthroscopic tendon release for iliopsoas impingement after primary total hip arthroplasty: a retrospective, consecutive series. <i>HIP International</i> , 2021, 31, 125-132.	0.9	11
59	Survival rates and reasons for revision of different stem designs in total hip arthroplasty for developmental dysplasia: a regional registry study. <i>Journal of Orthopaedics and Traumatology</i> , 2021, 22, 29.	1.0	11
60	Bilateral total hip arthroplasty in Morquio-Brailsford's Syndrome: a report of two cases. <i>La Chirurgia Degli Organi Di Movimento</i> , 2008, 92, 123-126.	0.2	10
61	Re-use of explanted osteosynthesis devices: A reliable and inexpensive reprocessing protocol. <i>Injury</i> , 2011, 42, 1101-1106.	0.7	10
62	Tendon Extracellular Matrix Alterations in Ullrich Congenital Muscular Dystrophy. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 131.	1.7	10
63	Cementless ceramic-on-ceramic total hip arthroplasty in post-traumatic osteoarthritis after acetabular fracture: long-term results. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2021, 141, 683-691.	1.3	10
64	Brucella infection in total knee arthroplasty. Case report and revision of the literature. <i>La Chirurgia Degli Organi Di Movimento</i> , 2008, 92, 55-59.	0.2	9
65	Can the rasp be used to predict intra-operatively the primary stability that can be achieved by press-fitting the stem in cementless hip arthroplasty?. <i>Clinical Biomechanics</i> , 2008, 23, 408-414.	0.5	9
66	Marchetti Vicenzi elastic retrograde nail in the treatment of humeral shaft fractures: review of the current literature. <i>Musculoskeletal Surgery</i> , 2015, 99, 201-209.	0.7	9
67	Outcomes of Total Hip Replacement in Limbs Affected by Poliomyelitis. <i>HIP International</i> , 2017, 27, 198-204.	0.9	9
68	Delta-on-Delta Ceramic Bearing Surfaces in Revision Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2019, 34, 2065-2071.	1.5	9
69	Highly Porous Titanium Cups versus Hydroxyapatite-Coated Sockets: Midterm Results in Metachronous Bilateral Total Hip Arthroplasty. <i>Medical Principles and Practice</i> , 2019, 28, 559-565.	1.1	9
70	Ceramic-on-Ceramic Total Hip Arthroplasty with Large Diameter Heads: A Systematic Review. <i>Medical Principles and Practice</i> , 2021, 30, 29-36.	1.1	9
71	Lost to follow-up in a hip prosthesis register: Experience of R.I.P.O.. <i>Acta Orthopaedica</i> , 2002, 73, 49-53.	1.4	8
72	Intraosseous Glomus Tumor of the Ankle: A Case Report and Review of the Literature. <i>Foot and Ankle International</i> , 2006, 27, 1148-1151.	1.1	8

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73	Is Laterality Associated With a Higher Rate of Hip Arthroplasty on the Dominant Side?. <i>Artificial Organs</i> , 2008, 32, 73-77.	1.0	8
74	Effect of different postoperative flexion regimes on the outcomes of total knee arthroplasty: randomized controlled trial. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 2972-2977.	2.3	8
75	Stem Damage During Implantation of Modular Hip Prostheses. <i>Artificial Organs</i> , 2006, 30, 564-567.	1.0	7
76	Total hip arthroplasty in dwarfism. A case report. <i>La Chirurgia Degli Organi Di Movimento</i> , 2008, 92, 67-69.	0.2	7
77	A reliable in vitro approach to assess the stability of acetabular implants using digital image correlation. <i>Strain</i> , 2019, 55, e12318.	1.4	7
78	Partially cemented AncaDualFit hip stems do not fail in simulated active patients. <i>Clinical Biomechanics</i> , 2007, 22, 191-202.	0.5	6
79	Periprosthetic Femoral Fractures: Treatments and Outcomes. An Analysis of 47 Cases. <i>HIP International</i> , 2013, 23, 380-385.	0.9	6
80	Surgical treatment of neglected congenital idiopathic talipes equinovarus after walking age in Eritrea: an Italo-Eritrean cooperation. <i>Musculoskeletal Surgery</i> , 2016, 100, 133-137.	0.7	6
81	Anterior minimally invasive subcapital osteotomy without hip dislocation for slipped capital femoral epiphysis. <i>International Orthopaedics</i> , 2016, 40, 1615-1623.	0.9	6
82	Transforaminal lumbar interbody fusion. <i>European Spine Journal</i> , 2017, 26, 429-430.	1.0	6
83	Effect of different motor tasks on hip cup primary stability and on the strains in the periacetabular bone: An in vitro study. <i>Clinical Biomechanics</i> , 2019, 70, 137-145.	0.5	6
84	Mixed ceramic combinations in primary total hip arthroplasty achieved reassuring mid-to-longterm outcomes. <i>Journal of Materials Science: Materials in Medicine</i> , 2020, 31, 56.	1.7	6
85	Revisions for Periprosthetic Hip Infections Do Not Fail More Than Revisions for Aseptic Loosening, but Mortality is Higher. <i>Journal of Arthroplasty</i> , 2021, 36, 1074-1079.	1.5	6
86	Clinical and radiological outcomes of total hip arthroplasty in patients affected by Paget's disease: a combined registry and single-institution retrospective observational study. <i>Journal of Orthopaedics and Traumatology</i> , 2021, 22, 13.	1.0	6
87	Anterolateral soft tissue sparing approach to the hip. Surgical technique. <i>La Chirurgia Degli Organi Di Movimento</i> , 2008, 92, 23-27.	0.2	5
88	A Reproducible and Inexpensive Method of Measuring Hip Abductor Strength. <i>HIP International</i> , 2010, 20, 512-517.	0.9	5
89	Corticosteroid Treatment Impact on Spinal Deformity in Duchenne Muscular Dystrophy. <i>International Scholarly Research Notices</i> , 2014, 2014, 1-9.	0.9	5
90	The influence of bearing surfaces on revisions due to dislocations in total hip arthroplasty. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 123.	1.7	5

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91	Which stem in total hip arthroplasty for developmental hip dysplasia? A comparative study using 3D CT-based software for pre-operative surgical planning. Journal of Orthopaedics and Traumatology, 2022, 23, .	1.0	5
92	Surgical correction in AIS. European Spine Journal, 2019, 28, 6-8.	1.0	4
93	One-stage release by double surgical approach for neglected congenital vertical talus: results in a series of walking children in Tanzania. Journal of Pediatric Orthopaedics Part B, 2019, 28, 586-590.	0.3	4
94	Off-the-shelf 3D printed titanium cups in primary total hip arthroplasty. World Journal of Orthopedics, 2021, 12, 376-385.	0.8	4
95	Two-stage surgical treatment for septic non-union of the forearm. World Journal of Orthopedics, 2017, 8, 471.	0.8	4
96	Failure of knee osteotomy in a case of neuropathic arthropathy of the knee. Journal of Orthopaedics and Traumatology, 2011, 12, 107-110.	1.0	3
97	Monocyte Chemoattractant Protein 1 Expression in Synovial Fluid of Patients With Total Hip Arthroplasty. Artificial Organs, 2012, 36, 487-491.	1.0	3
98	Single level anterior cervical discectomy and interbody fusion. European Spine Journal, 2017, 26, 423-424.	1.0	3
99	Spino-pelvic balance and surgical treatment of L5-S1 isthmic spondylolisthesis. European Spine Journal, 2018, 27, 574-576.	1.0	3
100	Conservative Treatment of Spondylodiscitis: Possible Therapeutic Solution in Case of Failure of Standard Therapy. Medicinski Arhiv = Medical Archives = Archives De Médecine, 2019, 73, 39.	0.4	3
101	Primary Stability of Revision Acetabular Reconstructions Using an Innovative Bone Graft Substitute: A Comparative Biomechanical Study on Cadaveric Pelvises. Materials, 2020, 13, 4312.	1.3	3
102	Isolated acetabular revisions of articular surface replacement (ASR) XL implants with highly porous titanium cups and Delta bearings. HIP International, 2021, 31, 250-257.	0.9	3
103	Are powder-technology-built stems safe? A midterm follow-up registry study. Journal of Materials Science: Materials in Medicine, 2021, 32, 10.	1.7	3
104	Cementless Ceramic-on-Ceramic Total Hip Replacement in Children and Adolescents. Children, 2021, 8, 858.	0.6	3
105	Charcot's joint secondary to neurologic complications of epidural anaesthesia: a case report. La Chirurgia Degli Organi Di Movimento, 2008, 91, 159-162.	0.2	2
106	Surgical tricks for open lumbar discectomy. European Spine Journal, 2017, 26, 425-426.	1.0	2
107	Surgical correction of double major adolescent idiopathic scoliosis. European Spine Journal, 2018, 27, 571-573.	1.0	2
108	Metal on metal hip arthroplasty surveillance at a tertiary centre: design, patients' adherence, and cost analysis. International Orthopaedics, 2020, 44, 1943-1949.	0.9	2

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109	Measuring stem anteversion after total hip arthroplasty: posterior condylar tangent versus transepicondylar axis. <i>Skeletal Radiology</i> , 2021, 50, 1775-1779.	1.2	2
110	Letter to the Editor on "Highly Porous Titanium Acetabular Components in Primary and Revision Total Hip Arthroplasty: A Systematic Review". <i>Journal of Arthroplasty</i> , 2020, 35, 2302-2303.	1.5	2
111	Outcome of hybrid stem fixation in osteoporotic female patients. A minimum five-year follow-up study. <i>International Orthopaedics</i> , 2009, 33, 1489-1494.	0.9	1
112	Uncemented Primary Total Hip Arthroplasty, Presentation of Pain, and Expression of Osteonectin. <i>Artificial Organs</i> , 2013, 37, 561-566.	1.0	1
113	Effect of cup medialization on primary stability of press-fit acetabular cups. <i>Clinical Biomechanics</i> , 2020, 80, 105172.	0.5	1
114	Isolated arthroscopic treatment of intra-articular pathologies in mild hip dysplasia: a short-term case control study. <i>Journal of Experimental Orthopaedics</i> , 2021, 8, 112.	0.8	1
115	Acetabular transverse nonunion treated by a hemispherical press-fit cup and structural autologous bone graft. <i>Musculoskeletal Surgery</i> , 2009, 93, 171-173.	0.7	0
116	Unexpected Prevalence of Arthritis in Women's Right Hip. <i>Artificial Organs</i> , 2011, 35, 972-972.	1.0	0
117	Response to "Letter to the editor: Labral calcification plays a key role in hip pain and symptoms in femoroacetabular impingement". <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 274.	0.9	0
118	Outcomes of metal-on-metal hip arthroplasties surveillance in a tertiary center. <i>Minerva Orthopedics</i> , 2022, 73, .	0.1	0