Francesco Traina

List of Publications by Year
in descending order

118 papers	2,225 citations	218677 26 h-index	276875 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. Journal of Bone and Joint Surgery - Series A, 2006, 88, 55-63.	3.0	168
2	Current Concepts in the Biopsy of Musculoskeletal Tumors. Journal of Bone and Joint Surgery - Series A, 2015, 97, e7.	3.0	122
3	Fracture of Ceramic Bearing Surfaces following Total Hip Replacement: A Systematic Review. BioMed Research International, 2013, 2013, 1-8.	1.9	95
4	Sex Differences in Hip Morphology: Is Stem Modularity Effective for Total Hip Replacement?. Journal of Bone and Joint Surgery - Series A, 2009, 91, 121-128.	3.0	75
5	The influence of the centre of rotation on implant survival using a modular stem hip prosthesis. International Orthopaedics, 2009, 33, 1513-1518.	1.9	65
6	Medical Malpractice: The Experience in Italy. Clinical Orthopaedics and Related Research, 2009, 467, 434-442.	1.5	64
7	MicroCT examination of human bone specimens: effects of polymethylmethacrylate embedding on structural parameters. Journal of Microscopy, 2007, 225, 192-200.	1.8	62
8	A new Ag-nanostructured hydroxyapatite porous scaffold: Antibacterial effect and cytotoxicity study. Materials Science and Engineering C, 2021, 118, 111394.	7.3	61
9	Risk Factors for Ceramic Liner Fracture after Total Hip Arthroplasty. HIP International, 2012, 22, 607-614.	1.7	52
10	Current Concepts in the Biopsy of Musculoskeletal Tumors. Scientific World Journal, The, 2013, 2013, 1-7.	2.1	52
11	Ti-6Al-4V ELI microlattice structures manufactured by electron beam melting: Effect of unit cell dimensions and morphology on mechanical behaviour. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 753, 31-41.	5.6	52
12	Revision of Ceramic Hip Replacements for Fracture of a Ceramic Component. Journal of Bone and Joint Surgery - Series A, 2011, 93, e147(1)-e147(9).	3.0	51
13	Modular neck prostheses in DDH patients: 11-year results. Journal of Orthopaedic Science, 2011, 16, 14-20.	1.1	43
14	Comparative study of different tendon grasping techniques for arthroscopic repair of the rotator cuff. Clinical Biomechanics, 2006, 21, 799-803.	1.2	40
15	Surgical Treatment of Cavus Foot in Charcot-Marie-Tooth Disease: A Review of Twenty-four Cases. Journal of Bone and Joint Surgery - Series A, 2015, 97, e30.	3.0	39
16	Saphenous nerve injury during hamstring tendons harvest: Does the incision matter? A systematic review. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 3140-3145.	4.2	35
17	The Significance of Metal Staining on Alumina Femoral Heads in Total Hip Arthroplasty. Journal of Arthroplasty, 2007, 22, 14-19.	3.1	34
18	Collagen VIâ€“NG2 axis in human tendon fibroblasts under conditions mimicking injury response. Matrix Biology, 2016, 55, 90-105.	3.6	33

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19	Mixing and matching in ceramic-on-metal hip arthroplasty: An in-vitro hip simulator study. Journal of Biomechanics, 2009, 42, 2439-2446.	2.1	32
20	Effect of the initial implant fitting on the predicted secondary stability of a cementless stem. Medical and Biological Engineering and Computing, 2004, 42, 222-229.	2.8	31
21	The influence of implant position on the wear of alumina-on-alumina studied in a hip simulator. Wear, 2004, 256, 400-405.	3.1	31
22	Ceramicâ€Onâ€Metal for Total Hip Replacement: Mixing and Matching Can Lead to High Wear. Artificial Organs, 2010, 34, 319-323.	1.9	31
23	Microseparation and Stripe Wear in Alumina-On-Alumina Hip Implants. International Journal of Artificial Organs, 2011, 34, 506-512.	1.4	31
24	Alumina-on-alumina hip implants. Journal of Bone and Joint Surgery: British Volume, 2012, 94-B, 37-42.	3.4	29
25	Au, Pd and maghemite nanofunctionalized hydroxyapatite scaffolds for bone regeneration. International Journal of Energy Production and Management, 2020, 7, 461-469.	3.7	28
26	Long vs. short fusions for adult lumbar degenerative scoliosis: does balance matters?. European Spine Journal, 2015, 24, 887-892.	2.2	27
27	Modular Hip Stems: Determination of Disassembly Force of a Neck?Stem Coupling. Artificial Organs, 2007, 31, 166-170.	1.9	24
28	Long-Term Results of Total Hip Replacement in Patients with Legg-CalvÃ©-Perthes Disease. Journal of Bone and Joint Surgery - Series A, 2011, 93, e25.	3.0	24
29	Post-operative limb position can influence blood loss and range of motion after total knee arthroplasty: a systematic review. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 852-859.	4.2	24
30	Surgical treatment of hallux valgus associated with flexible flatfoot during growing age. International Orthopaedics, 2016, 40, 737-743.	1.9	23
31	Surgical treatment of aseptic forearm nonunion with plate and opposite bone graft strut. Autograft or allograft?. International Orthopaedics, 2015, 39, 1343-1349.	1.9	22
32	Temperature-Controlled Continuous Cold Flow Device after Total Knee Arthroplasty: A Randomized Controlled Trial Study. Journal of Knee Surgery, 2017, 30, 675-681.	1.6	22
33	Method for quantitative assessment of acetabular bone defects. Journal of Orthopaedic Research, 2019, 37, 181-189.	2.3	22
34	EARLY DIAGNOSIS OF CERAMIC LINER FRACTURE. Journal of Bone and Joint Surgery - Series A, 2006, 88, 55-63.	3.0	22
35	Antimicrobial Effect and Cytotoxic Evaluation of Mg-Doped Hydroxyapatite Functionalized with Au-Nano Rods. Molecules, 2021, 26, 1099.	3.8	20
36	Synovial fluid microanalysis allows early diagnosis of ceramic hip prosthesis damage. Journal of Orthopaedic Research, 2012, 30, 1312-1320.	2.3	19

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37	New aspects and approaches in pre-operative planning of hip reconstruction: a computer simulation. Langenbeck's Archives of Surgery, 2004, 389, 400-404.	1.9	18
38	Preservation of hamstring tibial insertion in anterior cruciate ligament reconstruction: a review of the current literature. Musculoskeletal Surgery, 2015, 99, 87-92.	1.5	18
39	Surgical treatment of stage II posterior tibialis tendon dysfunction: ten-year clinical and radiographic results. European Journal of Orthopaedic Surgery and Traumatology, 2018, 28, 139-145.	1.4	18
40	Prenatal Diagnosis of Clubfoot: A Review of Current Available Methodology. Folia Medica, 2017, 59, 247-253.	0.5	17
41	Safety of Pregnancy and Delivery after Total Hip Arthroplasty. Journal of Women's Health, 2007, 16, 1300-1304.	3.3	16
42	Patient Weight more than Body Mass Index Influences Total Hip Arthroplasty Long Term Survival. HIP International, 2011, 21, 694-699.	1.7	16
43	Raman and fluorescence investigations on retrieved BioloxÂ® delta femoral heads. Journal of Raman Spectroscopy, 2012, 43, 1868-1876.	2.5	16
44	Does surgery for Scheuermann kyphosis influence sagittal spinopelvic parameters?. European Spine Journal, 2015, 24, 893-897.	2.2	16
45	Labral calcification plays a key role in hip pain and symptoms in femoroacetabular impingement. Journal of Orthopaedic Surgery and Research, 2020, 15, 86.	2.3	16
46	Congenital idiopathic talipes equinovarus before and after walking age: observations and strategy of treatment from a series of 88 cases. Journal of Orthopaedics and Traumatology, 2016, 17, 81-87.	2.3	15
47	Standardization of hemipelvis alignment for in vitro biomechanical testing. Journal of Orthopaedic Research, 2018, 36, 1645-1652.	2.3	15
48	Dual-Functional Nano-Functionalized Titanium Scaffolds to Inhibit Bacterial Growth and Enhance Osteointegration. Nanomaterials, 2021, 11, 2634.	4.1	14
49	Wear of Metal-on-Metal Hip Bearings: Metallurgical Considerations after Hip Simulator Studies. International Journal of Artificial Organs, 2011, 34, 1155-1164.	1.4	13
50	Effect of Mechanical Strain on the Collagen VI Pericellular Matrix in Anterior Cruciate Ligament Fibroblasts. Journal of Cellular Physiology, 2014, 229, 878-886.	4.1	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. Medicina (Lithuania), 2021, 57, 232.	2.0	13
52	Structural allograft and primary press-fit cup for severe acetabular deficiency. International Orthopaedics, 2005, 29, 135-139.	1.9	12
53	Can Selective Soft Tissue Release and Cuboid Osteotomy Correct Neglected Clubfoot?. Clinical Orthopaedics and Related Research, 2013, 471, 2658-2665.	1.5	12
54	Quantitative assessment of acetabular bone defects: A study of 50 computed tomography data sets. PLoS ONE, 2019, 14, e0222511.	2.5	12

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55	Tendon Extracellular Matrix Remodeling and Defective Cell Polarization in the Presence of Collagen VI Mutations. Cells, 2020, 9, 409.	4.1	12
56	Dependence of trabecular structure on bone quantity: A comparison between osteoarthritic and non-pathological bone. Clinical Biomechanics, 2011, 26, 632-639.	1.2	11
57	Outcomes of total hip replacement in patients with slipped capital femoral epiphysis. Archives of Orthopaedic and Trauma Surgery, 2012, 132, 1133-1139.	2.4	11
58	Arthroscopic tendon release for iliopsoas impingement after primary total hip arthroplasty: a retrospective, consecutive series. HIP International, 2021, 31, 125-132.	1.7	11
59	Survival rates and reasons for revision of different stem designs in total hip arthroplasty for developmental dysplasia: a regional registry study. Journal of Orthopaedics and Traumatology, 2021, 22, 29.	2.3	11
60	Bilateral total hip arthroplasty in Morquio-Brailsfordâ€™s Syndrome: a report of two cases. La Chirurgia Degli Organi Di Movimento, 2008, 92, 123-126.	0.2	10
61	Re-use of explanted osteosynthesis devices: A reliable and inexpensive reprocessing protocol. Injury, 2011, 42, 1101-1106.	1.7	10
62	Tendon Extracellular Matrix Alterations in Ullrich Congenital Muscular Dystrophy. Frontiers in Aging Neuroscience, 2016, 8, 131.	3.4	10
63	Cementless ceramic-on-ceramic total hip arthroplasty in post-traumatic osteoarthritis after acetabular fracture: long-term results. Archives of Orthopaedic and Trauma Surgery, 2021, 141, 683-691.	2.4	10
64	Brucella infection in total knee arthroplasty. Case report and revision of the literature. La Chirurgia Degli Organi Di Movimento, 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?. Clinical Biomechanics, 2008, 23, 408-414.	1.2	9
66	Marchetti Vicenzi elastic retrograde nail in the treatment of humeral shaft fractures: review of the current literature. Musculoskeletal Surgery, 2015, 99, 201-209.	1.5	9
67	Outcomes of Total Hip Replacement in Limbs Affected by Poliomyelitis. HIP International, 2017, 27, 198-204.	1.7	9
68	Delta-on-Delta Ceramic Bearing Surfaces in Revision Hip Arthroplasty. Journal of Arthroplasty, 2019, 34, 2065-2071.	3.1	9
69	Highly Porous Titanium Cups versus Hydroxyapatite-Coated Sockets: Midterm Results in Metachronous Bilateral Total Hip Arthroplasty. Medical Principles and Practice, 2019, 28, 559-565.	2.4	9
70	Ceramic-on-Ceramic Total Hip Arthroplasty with Large Diameter Heads: A Systematic Review. Medical Principles and Practice, 2021, 30, 29-36.	2.4	9
71	Lost to follow-up in a hip prosthesis register: Experience of R.I.P.O.. Acta Orthopaedica, 2002, 73, 49-53.	1.4	8
72	Intraosseous Glomus Tumor of the Ankle: A Case Report and Review of the Literature. Foot and Ankle International, 2006, 27, 1148-1151.	2.3	8

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73	Is Laterality Associated With a Higher Rate of Hip Arthroplasty on the Dominant Side?. Artificial Organs, 2008, 32, 73-77.	1.9	8
74	Effect of different postoperative flexion regimes on the outcomes of total knee arthroplasty: randomized controlled trial. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 2972-2977.	4.2	8
75	Stem Damage During Implantation of Modular Hip Prostheses. Artificial Organs, 2006, 30, 564-567.	1.9	7
76	Total hip arthroplasty in dwarfism. A case report. La Chirurgia Degli Organi Di Movimento, 2008, 92, 67-69.	0.2	7
77	A reliable in vitro approach to assess the stability of acetabular implants using digital image correlation. Strain, 2019, 55, e12318.	2.4	7
78	Partially cemented AncaDualFit hip stems do not fail in simulated active patients. Clinical Biomechanics, 2007, 22, 191-202.	1.2	6
79	Periprosthetic Femoral Fractures: Treatments and Outcomes. An Analysis of 47 Cases. HIP International, 2013, 23, 380-385.	1.7	6
80	Surgical treatment of neglected congenital idiopathic talipes equinovarus after walking age in Eritrea: an Italo-Eritrean cooperation. Musculoskeletal Surgery, 2016, 100, 133-137.	1.5	6
81	Anterior minimally invasive subcapital osteotomy without hip dislocation for slipped capital femoral epiphysis. International Orthopaedics, 2016, 40, 1615-1623.	1.9	6
82	Transforaminal lumbar interbody fusion. European Spine Journal, 2017, 26, 429-430.	2.2	6
83	Effect of different motor tasks on hip cup primary stability and on the strains in the periacetabular bone: An in vitro study. Clinical Biomechanics, 2019, 70, 137-145.	1.2	6
84	Mixed ceramic combinations in primary total hip arthroplasty achieved reassuring mid-to-longterm outcomes. Journal of Materials Science: Materials in Medicine, 2020, 31, 56.	3.6	6
85	Revisions for Periprosthetic Hip Infections Do Not Fail More Than Revisions for Aseptic Loosening, but Mortality is Higher. Journal of Arthroplasty, 2021, 36, 1074-1079.	3.1	6
86	Clinical and radiological outcomes of total hip arthroplasty in patients affected by Pagetâ€™s disease: a combined registry and single-institution retrospective observational study. Journal of Orthopaedics and Traumatology, 2021, 22, 13.	2.3	6
87	Anterolateral soft tissue sparing approach to the hip. Surgical technique. La Chirurgia Degli Organi Di Movimento, 2008, 92, 23-27.	0.2	5
88	A Reproducible and Inexpensive Method of Measuring Hip Abductor Strength. HIP International, 2010, 20, 512-517.	1.7	5
89	Corticosteroid Treatment Impact on Spinal Deformity in Duchenne Muscular Dystrophy. International Scholarly Research Notices, 2014, 2014, 1-9.	0.9	5
90	The influence of bearing surfaces on revisions due to dislocations in total hip arthroplasty. Journal of Materials Science: Materials in Medicine, 2021, 32, 123.	3.6	5

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91	Which stem in total hip arthroplasty for developmental hip dysplasia? A comparative study usingÂa 3D CT-based software for pre-operative surgicalÂplanning. Journal of Orthopaedics and Traumatology, 2022, 23, .	2.3	5
92	Surgical correction in AIS. European Spine Journal, 2019, 28, 6-8.	2.2	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.	0.6	4
94	Off-the-shelf 3D printed titanium cups in primary total hip arthroplasty. World Journal of Orthopedics, 2021, 12, 376-385.	1.8	4
95	Two-stage surgical treatment for septic non-union of the forearm. World Journal of Orthopedics, 2017, 8, 471.	1.8	4
96	Failure of knee osteotomy in a case of neuropathic arthropathy of the knee. Journal of Orthopaedics and Traumatology, 2011, 12, 107-110.	2.3	3
97	Monocyte Chemoattractant Protein 1 Expression in Synovial Fluid of Patients With Total Hip Arthroplasty. Artificial Organs, 2012, 36, 487-491.	1.9	3
98	Single level anterior cervical discectomy and interbody fusion. European Spine Journal, 2017, 26, 423-424.	2.2	3
99	Spino-pelvic balance and surgical treatment of L5â€“S1 isthmic spondylolisthesis. European Spine Journal, 2018, 27, 574-576.	2.2	3
100	Conservative Treatment of Spondylodiscitis: Possible Therapeutic Solution in Case of Failure of Standard Therapy. Medicinski Arhiv = Medical Archives = Archives De MÃ©decine, 2019, 73, 39.	0.9	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.	2.9	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.	1.7	3
103	Are powder-technology-built stems safe? A midterm follow-up registry study. Journal of Materials Science: Materials in Medicine, 2021, 32, 10.	3.6	3
104	Cementless Ceramic-on-Ceramic Total Hip Replacement in Children and Adolescents. Children, 2021, 8, 858.	1.5	3
105	Charcotâ€™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.	2.2	2
107	Surgical correction of double major adolescent idiopathic scoliosis. European Spine Journal, 2018, 27, 571-573.	2.2	2
108	Metal on metal hip arthroplasty surveillance at a tertiary centre: design, patientsâ€™ adherence, and cost analysis. International Orthopaedics, 2020, 44, 1943-1949.	1.9	2

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109	Measuring stem anteversion after total hip arthroplasty: posterior condylar tangent versus transepicondylar axis. Skeletal Radiology, 2021, 50, 1775-1779.	2.0	2
110	Letter to the Editor on â€œHighly Porous Titanium Acetabular Components in Primary and Revision Total Hip Arthroplasty: A Systematic Reviewâ€. Journal of Arthroplasty, 2020, 35, 2302-2303.	3.1	2
111	Outcome of hybrid stem fixation in osteoporotic female patients. A minimum five-year follow-up study. International Orthopaedics, 2009, 33, 1489-1494.	1.9	1
112	Uncemented Primary Total Hip Arthroplasty, Presentation of Pain, and Expression of Osteonectin. Artificial Organs, 2013, 37, 561-566.	1.9	1
113	Effect of cup medialization on primary stability of press-fit acetabular cups. Clinical Biomechanics, 2020, 80, 105172.	1.2	1
114	Isolated arthroscopic treatment of intra-articular pathologies in mild hip dysplasia: a short-term case control study. Journal of Experimental Orthopaedics, 2021, 8, 112.	1.8	1
115	Acetabular transverse nonunion treated by a hemispherical press-fit cup and structural autologous bone graft. Musculoskeletal Surgery, 2009, 93, 171-173.	1.5	0
116	Unexpected Prevalence of Arthritis in Women's Right Hip. Artificial Organs, 2011, 35, 972-972.	1.9	0
117	Response to â€œLetter to the editor: Labral calcification plays a key role in hip pain and symptoms in femoroacetabular impingementâ€. Journal of Orthopaedic Surgery and Research, 2020, 15, 274.	2.3	0
118	Outcomes of metal-on-metal hip arthroplasties surveillance in a tertiary center. Minerva Orthopedics, 2022, 73, .	1.0	0