

# Pierre-Louis Docquier

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

2,059  
citations

236925

25  
h-index

254184

43  
g-index

81  
all docs

81  
docs citations

81  
times ranked

1813  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of freeze-drying and gamma irradiation on the mechanical properties of human cancellous bone. <i>Journal of Orthopaedic Research</i> , 2000, 18, 426-431.	2.3	140
2	Pelvic Reconstruction with a Structural Pelvic Allograft After Resection of a Malignant Bone Tumor. <i>Journal of Bone and Joint Surgery - Series A</i> , 2007, 89, 579-587.	3.0	139
3	Improved Accuracy with 3D Planning and Patient-Specific Instruments During Simulated Pelvic Bone Tumor Surgery. <i>Annals of Biomedical Engineering</i> , 2014, 42, 205-213.	2.5	132
4	Surgical inaccuracy of tumor resection and reconstruction within the pelvis: An experimental study. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2008, 79, 695-702.	3.3	101
5	Thoracolumbar Hemivertebrae Resection by Double Approach in a Single Procedure. <i>Spine</i> , 2006, 31, 1745-1757.	2.0	89
6	Anterolateral Minimally Invasive Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2011, 26, 1362-1372.	3.1	82
7	Surgical Guides (Patient-Specific Instruments) for Pediatric Tibial Bone Sarcoma Resection and Allograft Reconstruction. <i>Sarcoma</i> , 2013, 2013, 1-7.	1.3	82
8	Human Adipose-Derived Mesenchymal Stem Cells in Cell Therapy: Safety and Feasibility in Different "Hospital Exemption" Clinical Applications. <i>PLoS ONE</i> , 2015, 10, e0139566.	2.5	64
9	Lumbar Hemivertebra Resection. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 1043-1052.	3.0	62
10	Computer-Assisted Resection and Reconstruction of Pelvic Tumor Sarcoma. <i>Sarcoma</i> , 2010, 2010, 1-8.	1.3	61
11	Computer-assisted planning and navigation improves cutting accuracy during simulated bone tumor surgery of the pelvis. <i>Computer Aided Surgery</i> , 2013, 18, 19-26.	1.8	58
12	Treatment of Simple Bone Cysts With Aspiration and a Single Bone Marrow Injection. <i>Journal of Pediatric Orthopaedics</i> , 2003, 23, 766-773.	1.2	55
13	Treatment of Aneurysmal Bone Cysts by Introduction of Demineralized Bone and Autogenous Bone Marrow. <i>Journal of Bone and Joint Surgery - Series A</i> , 2005, 87, 2253.	3.0	49
14	Lumbosacral Hemivertebrae Resection by Combined Approach. <i>Spine</i> , 2006, 31, 1232-1239.	2.0	49
15	Formalin Fixation Could Interfere with the Clinical Assessment of the Tumor-Free Margin in Tumor Surgery: Magnetic Resonance Imaging-Based Study. <i>Oncology</i> , 2010, 78, 115-124.	1.9	49
16	Computer-Assisted and Robot-Assisted Technologies to Improve Bone-Cutting Accuracy When Integrated with a Freehand Process Using an Oscillating Saw. <i>Journal of Bone and Joint Surgery - Series A</i> , 2010, 92, 2076-2082.	3.0	48
17	Tarsal coalition in paediatric patients. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2019, 105, S123-S131.	2.0	48
18	Resection margins obtained with patient-specific instruments for resecting primary pelvic bone sarcomas: A case-control study. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2019, 105, 781-787.	2.0	39

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19	Congenital abnormalities associated with hemivertebrae in relation to hemivertebrae location. Journal of Pediatric Orthopaedics Part B, 2010, 19, 90-94.	0.6	37
20	Patient-specific instruments for surgical resection of painful tarsal coalition in adolescents. Orthopaedics and Traumatology: Surgery and Research, 2014, 100, 423-427.	2.0	32
21	Osteonecrosis of the femoral head in patients with type 1 human immunodeficiency virus infection: clinical analysis and review. Clinical Rheumatology, 2009, 28, 815-823.	2.2	31
22	Histology can be predictive of the clinical course of a primary aneurysmal bone cyst. Archives of Orthopaedic and Trauma Surgery, 2010, 130, 481-487.	2.4	27
23	Simple bone cysts treated with aspiration and a single bone marrow injection. International Orthopaedics, 1998, 22, 134-138.	1.9	26
24	Synergetic effect of freeze-drying and gamma irradiation on the mechanical properties of human cancellous bone. Cell and Tissue Banking, 2011, 12, 281-288.	1.1	26
25	Selection of massive bone allografts using shape-matching 3-dimensional registration. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 81, 250-255.	3.3	25
26	Accuracy in planar cutting of bones: an ISOâ€¢based evaluation. International Journal of Medical Robotics and Computer Assisted Surgery, 2009, 5, 77-84.	2.3	23
27	3D-corrective osteotomy using surgical guides for posttraumatic distal humeral deformity. Acta Orthopaedica Belgica, 2012, 78, 538-42.	0.4	23
28	Treatment of Simple Bone Cysts With Aspiration and a Single Bone Marrow Injection. Journal of Pediatric Orthopaedics, 2003, 23, 766-773.	1.2	22
29	Orthopaedic concerns in children with growth hormone therapy. Acta Orthopaedica Belgica, 2004, 70, 299-305.	0.4	21
30	Local complications of massive bone allografts: an appraisal of their prevalence in 128 patients. Acta Orthopaedica Belgica, 2014, 80, 196-204.	0.4	21
31	Common Somatic Alterations Identified in Maffucci Syndrome by Molecular Karyotyping. Molecular Syndromology, 2014, 5, 259-267.	0.8	20
32	Clinical and Radiographic Features of Operatively Treated Stiff Clubfeet after Skeletal Maturity: Etiology of the Deformities and How to Prevent Them. Foot and Ankle International, 2006, 27, 29-37.	2.3	18
33	Analytical Radiography of Clubfoot After Tenotomy. Journal of Pediatric Orthopaedics, 2008, 28, 691-694.	1.2	18
34	Mechanical work and energy consumption in children with cerebral palsy after single-event multilevel surgery. Gait and Posture, 2014, 40, 633-639.	1.4	18
35	A Case of In Situ Phage Therapy against Staphylococcus aureus in a Bone Allograft Polymicrobial Biofilm Infection: Outcomes and Phage-Antibiotic Interactions. Viruses, 2021, 13, 1898.	3.3	18
36	Primary chronic sclerosing osteomyelitisâ€¢a case-report. Joint Bone Spine, 2005, 72, 73-75.	1.6	17

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37	Reliability of the Lagrange and Rigault classification system of supracondylar humerus extension fractures in children. Orthopaedics and Traumatology: Surgery and Research, 2010, 96, 652-655.	2.0	17
38	Diagnosis failure led to the recurrence of an intra-articular osteoid osteoma at the talus neck after arthroscopic excision. Foot and Ankle Surgery, 2014, 20, e40-e42.	1.7	17
39	Surgical Treatment of Intra-articular Knee Venous Malformations. Journal of Pediatric Orthopaedics, 2016, 36, 316-322.	1.2	17
40	LUMBAR HEMIVERTEBRA RESECTION. Journal of Bone and Joint Surgery - Series A, 2006, 88, 1043-1052.	3.0	17
41	Patient Specific Instruments for Complex Tumor Resection-Reconstruction Surgery within the Pelvis: A Series of 4 Cases. Chirurgia (Romania), 2016, 111, 439.	0.5	14
42	Inaccuracy in selection of massive bone allograft using template comparison method. Cell and Tissue Banking, 2008, 9, 83-90.	1.1	13
43	Registration accuracy in computer-assisted pelvic surgery. Computer Aided Surgery, 2009, 14, 37-44.	1.8	13
44	MRI-Based Assessment of Safe Margins in Tumor Surgery. Sarcoma, 2014, 2014, 1-5.	1.3	13
45	Ergonomic evaluation of 3D plane positioning using a mouse and a haptic device. International Journal of Medical Robotics and Computer Assisted Surgery, 2009, 5, 435-443.	2.3	12
46	Surgical navigation in paediatric orthopaedics. EFORT Open Reviews, 2016, 1, 152-159.	4.1	12
47	Intra-Articular Osteoid Osteoma Mimicking Juvenile Arthritis. Case Reports in Orthopedics, 2014, 2014, 1-5.	0.3	11
48	Measurement of bone cyst fluid volume using k-means clustering. Magnetic Resonance Imaging, 2009, 27, 1430-1439.	1.8	10
49	Autologous bone marrow injection in the management of simple bone cysts in children. Acta Orthopaedica Belgica, 2004, 70, 204-13.	0.4	10
50	Kienboeck's disease in a 6-year-old boy. Acta Orthopaedica Belgica, 2009, 75, 832-5.	0.4	10
51	Chronic osteomyelitis of the clavicle as a primary manifestation of the SAPHO syndrome in adolescents: report of four cases and long-term evolution. Joint Bone Spine, 2006, 73, 756-759.	1.6	9
52	MRI Evaluation of Resection Margins in Bone Tumour Surgery. Sarcoma, 2014, 2014, 1-5.	1.3	9
53	Lung Middle Lobe Laceration Needing Lobectomy as Complication of Nuss Bar Removal. Case Reports in Orthopedics, 2018, 2018, 1-6.	0.3	7
54	Three-dimensional correction of complex leg deformities using a software assisted external fixator. Acta Orthopaedica Belgica, 2008, 74, 816-22.	0.4	7

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55	Reconstructive surgery in the management of a patient with CLOVES syndrome. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2013, 66, 1813-1815.	1.0	6
56	Multifocal Pigmented Villonodular Synovitis in the Noonan Syndrome. Case Reports in Orthopedics, 2018, 2018, 1-5.	0.3	6
57	Femoral osteochondroma responsible for ischiofemoral impingement, bursitis, and secondary lipoma arborescens mimicking malignant transformation. Acta Radiologica Open, 2019, 8, 205846011989240.	0.6	6
58	The use of allografts in paediatric orthopaedic surgery. Acta Orthopaedica Belgica, 2007, 73, 551-7.	0.4	6
59	Quality of resection margin with patient specific instrument for bone tumor resection. Journal of Bone Oncology, 2022, 34, 100434.	2.4	6
60	Traumatic Fracture in a Patient with Osteopoikilosis. Case Reports in Orthopedics, 2014, 2014, 1-4.	0.3	5
61	Orthopaedic complications associated with sickle-cell disease. Acta Orthopaedica Belgica, 2006, 72, 741-7.	0.4	5
62	Recurrent Dislocation of the Patella in Kabuki Make-Up Syndrome. Case Reports in Orthopedics, 2012, 2012, 1-4.	0.3	4
63	Focal fibrocartilaginous dysplasia of the tibia: long-term evolution. Acta Orthopaedica Belgica, 2006, 72, 77-82.	0.4	4
64	Computer-Navigated Bone Cutting in the Resection of a Pelvic Bone Tumor and Reconstruction with a Massive Bone Allograft. JBJS Essential Surgical Techniques, 2011, 1, e10.	0.8	3
65	Irradiation level related to intraoperative imaging device in paediatric elastic stable intramedullary nailing: preliminary prospective study on 51 patients using PCXMC software. Journal of Children's Orthopaedics, 2020, 14, 451-458.	1.1	3
66	Anesthesia and World War II: When the Battlefield Becomes a Research Field – A Bibliometric Analysis of the Influence of World War II on the Development of Anesthesiology. Anesthesia and Analgesia, 2021, Publish Ahead of Print, .	2.2	3
67	Treatment of large diaphyseal bone defect of the tibia by the "fibula pro tibia" technique: application in developing countries. Acta Orthopaedica Belgica, 2015, 81, 17-22.	0.4	3
68	Assessment of Resection Margins in Bone Tumor Surgery. Sarcoma, 2020, 2020, 1-10.	1.3	2
69	Ischemic Risk in Collodion Baby: An Orthopaedic Perspective. Case Reports in Orthopedics, 2020, 2020, 1-4.	0.3	2
70	Gollop-Wolfgang complex: an alternative to amputation. Acta Orthopaedica Belgica, 2013, 79, 239-42.	0.4	2
71	Osteomyélite chronique de l'acromioclaviculaire représentant la première manifestation d'un syndrome SAPHO chez l'adolescent: quatre observations avec évolution à long terme. Revue Du Rhumatisme (Edition) Tijdschrift voor Reumatologie, 2019, 55, 0.784814	0.784814	1
72	Sacro-iliitis in infants: A difficult diagnosis. 4 cases. Joint Bone Spine, 2009, 76, 313-315.	1.6	1

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73	Gait abnormalities following slipped capital femoral epiphysis treated with in situ fixation. Gait and Posture, 2019, 69, 156-161.	1.4	1
74	Patient specific instrumentation for corrective osteotomy in case of posttraumatic cubitus varus in children. Acta Orthopaedica Belgica, 2019, 85, 297-304.	0.4	1
75	Sacroiliite infectieuse chez l'enfant: un diagnostic difficile. Quatre cas. Revue Du Rhumatisme (Edition) Tj ETQg1 1 0.784314 rgB	0.0	0
76	Chondrosternal Arthritis in Infant: An Unusual Entity. Case Reports in Orthopedics, 2014, 2014, 1-4.	0.3	0
77	Painless osteoid osteoma of the distal phalanx of a toe. Journal of Surgical Case Reports, 2021, 2021, rjaa614.	0.4	0
78	Aneurysmal Bone Cyst. , 2021, , 143-155.		0
79	Hemivertebrectomy. , 2011, , 411-425.		0
80	Osteofibrous dysplasia-like adamantinoma of isolated fibula in a child mimicking chronic osteomyelitis with pathological fracture. Journal of Surgical Case Reports, 2022, 2022, .	0.4	0