

Pubblicazioni

h index: 20
documents by author: 99
citations: 1291
IF totale = 298.578

Peer reviewed su riviste internazionali come primo o ultimo autore (IF totale = 74.253)

1. Previtali D, Bordoni V, Filardo G, Marchettini P, Guerra E, **Candrian C.** High Rate of Pain Sensitization in Musculoskeletal Shoulder Diseases: A Systematic Review and Meta-analysis. *Clin J Pain*, Mar 2021 (IF: 2.893, Ranking: Q1)
2. Davanzo D, Previtali D, Tamborini S, Filardo G, Fusco A, Bordoni V, Gaffurini P, **Candrian C.** Comparison of the survivorship between arthroplasty and ORIF for basi-cervical femoral neck fractures in the overall population and in polymorbid patients. *Orthop Traumatol Surg Res*, May 2021 (IF: 1.809, Ranking: Q1)
3. Bordoni, V., Marelli, N., Previtali, D., Gaffurini, P., Filardo, G., **Candrian, C.** (2020). Outpatient total hip arthroplasty does not increase complications and readmissions: a meta-analysis. *HIP International*. (IF: 1.35, Ranking: Q2)
4. Bordoni V, Poggi A, Zaffagnini S, Previtali D, Filardo G, **Candrian C.** Outpatient total knee arthroplasty leads to a higher number of complications: a meta-analysis. *J Orthop Surg Res*. 2020 Sep. (IF: 2.28, Ranking Q1)
5. G Ulrich Exner, Luca Mazzucchelli, Francesca Napoli, **Christian Candrian**. Solitary Epiphysial Enchondroma of the Proximal Humerus Causing Growth Deficiency in a 13-Year-Old Boy Lengthened over Intramedullary Nail. *The Open Orthopaedics Journal*, 2020, 14.1. (IF: 0.51, Ranking: Q3)
6. Davide Previtali, Stamen Milev Roumenov, Gherardo Pagliazzi, Giuseppe Filardo, Stefano Zaffagnini, **Christian Candrian**. Recurrent patellar dislocations without untreated predisposing factors: MPFL reconstruction vs other medial soft tissue surgical techniques—A meta-analysis. *Arthroscopy: The Journal of Arthroscopic & Related Surgery*, 2020. (IF: 4.433, Ranking: Q1)
7. Pagliazzi G, Davanzo D, Delcogliano M, Grande FD, **Candrian C.** Traumatic bilateral medial patellar instability in a 15-year-old girl. *Journal of Orthopaedic Case Report*. 2019. (IF: 0.675, Ranking: Q2).
8. Previtali D, Di Laura Frattura G, Filardo G, Delcogliano M, Deabate L, **Candrian C.** Peri-operative steroids reduce pain, inflammatory response and hospitalisation length following knee arthroplasty without increased risk of acute complications: a meta-analysis. *Knee Surg Sports Traumatol Arthrosc*. 2019 Sep 7. (IF: 3.21, Ranking: Q1)
9. Pagliazzi G, Napoli F, Previtali D, Filardo G, Zaffagnini S, **Candrian C.** A Meta-analysis of Surgical Versus Nonsurgical Treatment of Primary Patella Dislocation. *Arthroscopy*. 2019 Aug. (IF: 4.29, Ranking: Q1)
10. di Laura Frattura G, Zaffagnini S, Filardo G, Romandini I, Fusco A, **Candrian C.** Total Knee Arthroplasty in Patients With Knee Osteoarthritis: Effects on Proprioception. A Systematic Review and Best Evidence Synthesis. *J Arthroplasty*. 2019 Jun 14. (IF: 3.52, Ranking: Q1)
11. Zaffagnini S., Previtali D., Tamborini S, Pagliazzi G., Filardo G., **Candrian C.** Recurrent patellar dislocations: trochleoplasty improves the results of medial patellofemoral

- ligament surgery only in severe trochlear dysplasia. *Knee Surg Sports Traumatol Arthrosc.* 2019 Mar 22. (IF: 3.227, Ranking: Q1)
- 12. Guerra E., Previtali D., Tamborini S., Filardo G., Zaffagnini S., **Candrian C.** Midshaft Clavicle Fractures: Surgery Provides Better Results as Compared With Nonoperative Treatment: A Meta-analysis. *Am J Sports Med.* 2019 Mar 5. (IF: 6.057, Ranking: Q1)
 - 13. Simone Ghisla, Francesca Napoli, Gyozo Lehoczky, Marco Delcogliano, Nermine Habib, Michele Arigoni, Giuseppe Filardo, **Christian Candrian**. Posterior pelvic ring fractures: Intraoperative 3D-CT guided navigation for accurate positioning of sacro-iliac screws. *Orthopaedics & Traumatology-Surgery & Research*, August 2018 (IF: 1.413, Ranking: Q2)
 - 14. Filardo G., Andriolo L., Di Laura Frattura G., Napoli F., Zaffagnini S., **Candrian C.** Bone bruise in anterior cruciate ligament rupture entails a more severe joint damage affecting joint degenerative progression. *Knee Surg Sports Traumatol Arthrosc.* 2018 Jun 5. (IF: 3.21, Ranking: Q1)
 - 15. Habib, N., Filardo, G., Delcogliano, M., Arigoni, M., & **Candrian, C.** (2018). An algorithm to avoid missed open-book pelvic fractures. *Eur Rev Med Pharmacol Sci.* (IF: 3.024, Ranking: Q)
 - 16. Filardo G, Zaffagnini S, De Filippis R, Perdisa F, Andriolo L, **Candrian C.** No evidence for combining cartilage treatment and knee osteotomy in osteoarthritic joints: a systematic literature review. *Knee Surg Sports Traumatol Arthrosc.* 2018 Feb 16. (IF: 3.227, Ranking: Q1).
 - 17. **Candrian C**, Grassi A, Filardo G, Vannini F. Comment on "No superior treatment for primary osteochondral defects of the talus. Dahmen J, et al. KSSTA 2017 Jun 27. *Knee Surg Sports Traumatol Arthrosc.* 2017 Dec. (IF: 3.227, Ranking: Q1).
 - 18. **Candrian C**, Iker Iribarri I, Freehill M., Raiss R., Boileau P., Walch G. Anatomic shoulder replacement for Primary Osteoarthritis in Patients over 80 Years. Are Results as Good as in Younger Patients? *Acta Orthopaedica* 2015 Jan 14:1-5. (IF: 2.459, Ranking: Q1).
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 - 20. **Candrian C**, Miot S, Wolf F, Bonacina E, Valderrabano V, Dickinson S, Wirz D, Jakob M, Martin I, Barbero A. Are ankle chondrocytes from damaged fragments a suitable cell source for cartilage repair? *Osteoarthritis Cartilage.* 2010 Aug;18(8):1067-76. 2010.(IF: 3.904, Ranking: Q1).
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 - 22. **Candrian C**, Bonacina E, Frueh JA, Vonwil D, Dickinson S, Wirz D, Heberer M, Jakob M, Martin I, Barbero A. Intra-individual comparison of human ankle and knee chondrocytes in vitro: relevance for talar cartilage repair. *Osteoarthritis Cartilage.* 2009 Apr. (IF: 3.953, Ranking: Q1).
 - 23. **Candrian C**, Wolf F, Wendt D, Farhadi J, Heberer M, Martin I, Barbero A. Cartilage tissue engineering using preaggregated human articular chondrocytes. *Eur Cell Mater.* 2008 Dec. (IF: 5.378, Ranking: Q1).
 - 24. **Candrian C**, Vonwil D, Barbero A, Bonacina E, Miot S, Farhadi J, Wirz D, Dickinson S, Hollander A, Jakob M, Li Z, Alini M, Heberer M, Martin I. Engineered cartilage generated

by nasal chondrocytes is responsive to physical forces resembling joint loading. *Arthritis Rheum.* 2007 Dec 28. (IF: 6.787, Ranking: Q1).

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(IF totale = 223.805)

1. Cuzzolin M, Previtali D, Delcogliano M, Filardo G, **Candrian C**, Grassi A. Independent Versus Transtibial Drilling in Anterior Cruciate Ligament Reconstruction: A Meta-analysis With Meta-regression. *Orthop J Sports Med.* 2021 (IF: 2.727, Ranking: Q1)
2. Feltri P, Solaro L, Errani C, Schiavon G, **Candrian C**, Filardo G. Vascularized fibular grafts for the treatment of long bone defects: pros and cons. A systematic review and meta-analysis. *Arch Orthop Trauma Surg.* 2021 (IF: 3.067, Ranking: Q1)
3. Nutarelli S, Delahunt E, Cuzzolin M, Delcogliano M, **Candrian C**, Filardo G. Home-Based vs Supervised Inpatient and/or Outpatient Rehabilitation Following Knee Meniscectomy: A Systematic Review and Meta-analysis. *JAMA Netw Open.* 2021; 4(5):e2111582. (IF: 5.032, Ranking: Q1)
4. Audigé L, Bucher HCC, Aghlmandi S ARCR_Pred Study Group, et al Swiss-wide multicentre evaluation and prediction of core outcomes in arthroscopic rotator cuff repair: protocol for the ARCR_Pred cohort study *BMJ Open* 2021;1. (IF: 2.496, Ranking: Q1)
5. Reale D, Previtali D, Andriolo L, Grassi A, **Candrian C**, Zaffagnini S, Filardo G. No differences in clinical outcome between CMI and Actift meniscal scaffolds: a systematic review and meta-analysis. *Knee* 2021 (IF: 1.913, Ranking: Q1)
6. Boffa A, Previtali D, Di Laura Frattura G, Vannini F, **Candrian C**, Filardo G. Evidence on ankle injections for osteochondral lesions and osteoarthritis: a systematic review and meta-analysis. *Int Orthop.* 2021 (IF: 2.78, Ranking: Q1).
7. Possenti L, Mecchi L, Rossoni A, Sangalli V, Bersini S, Cicchetti A, Costantino ML, **Candrian C**, Arrigoni C, Rancati T, Moretti M. Radiobiological Studies of Microvascular Damage through In Vitro Models: A Methodological Perspective. *Cancers*, 2021 (IF: 6.126, Ranking: Q1).
8. Mainardi VL, Arrigoni C, Bianchi E, Talò G, Delcogliano M, **Candrian C**, Dubini G, Levi M, Moretti M. Improving cell seeding efficiency through modification of fiber geometry in 3D printed scaffolds. *Biofabrication*, Feb 2021 (IF: 8.213, Ranking: Q1).
9. Crippa M, Bersini S, Gilardi M, Arrigoni C, Gamba S, Falanga A, **Candrian C**, Dubini G, Vanoni M, Moretti M. A microphysiological early metastatic niche on a chip reveals how heterotypic cell interactions and inhibition of integrin subunit β 3 impact breast cancer cell extravasation. *Lab Chip*, Mar 2021 (IF: 6.914, Ranking: Q1).
10. Habib N, Filardo G, Distefano D, **Candrian C**, Reinert M, Scarone P. Use of Intraoperative CT Improves Accuracy of Spinal Navigation During Screw Fixation in Cervico-thoracic Region. 2021, *Spine (Phila Pa 1976)* (IF: 2.903, Ranking: Q1).
11. Mondadori C, Crippa M, Moretti M, **Candrian C**, Lopa S, Arrigoni C. Advanced Microfluidic Models of Cancer and Immune Cell Extravasation: A Systematic Review of the Literature. *Front Bioeng Biotechnol.* 2020 Aug. (IF: 6.914, Ranking: Q1).
12. Petta D, Basoli V, Pellicciotta D, Tognato R, Barcik JP, Arrigoni C, Della Bella E, Armiento AR, **Candrian C**, Richards GR, Alini M, Moretti M, Eglin D, Serra T. Sound-induced morphogenesis of multicellular systems for rapid orchestration of vascular networks. *Biofabrication*. 2020 Sep 25. (IF: 8.123, Ranking: Q1)

13. Previtali D, Andriolo L, Di Laura Frattura G, Boffa A, **Candrian C**, Zaffagnini S, Filardo G. Pain Trajectories in Knee Osteoarthritis—A Systematic Review and Best Evidence Synthesis on Pain Predictors. *Journal of Clinical Medicine*. 2020. (IF: 3.03, Ranking: Q1).
14. Boffa A, Previtali D, Di Laura Frattura G, Vannini F, **Candrian C**, Filardo G. Evidence on ankle injections for osteochondral lesions and osteoarthritis: a systematic review and meta-analysis [published online ahead of print, 2020 Jul 9]. *Int Orthop.* (IF: 1.53, Ranking: Q1).
15. Filardo G, Previtali D, Napoli F, **Candrian C**, Zaffagnini S, Grassi A. PRP Injections for the Treatment of Knee Osteoarthritis: A Meta-Analysis of Randomized Controlled Trials [2020 Jun 19]. *Cartilage.* (IF: 2.961, Ranking: Q1).
16. Arrigoni C, D'Arrigo D, Rossella V, **Candrian C**, Albertini V, Moretti M. Umbilical Cord MSCs and Their Secretome in the Therapy of Arthritic Diseases: A Research and Industrial Perspective. *Cells*. Published 2020 May 28. (IF: 5.656, Ranking: Q1).
17. Chiara Arrigoni, Silvia Lopa, **Christian Candrian**, Matteo Moretti. Organs-on-a-chip as model systems for multifactorial musculoskeletal diseases. *Current Opinion in Biotechnology*, 2020. (IF: 8.083, Ranking: Q1)
18. Davide Previtali, Giulia Merli, Giorgio Di Laura Frattura, **Christian Candrian**, Stefano Zaffagnini, Giuseppe Filardo. The Long-Lasting Effects of “Placebo Injections” in Knee Osteoarthritis: A Meta-Analysis. *Cartilage*, 2020. (IF: 2.961, Ranking: Q1)
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24. Verzellotti S., **Candrian C.**, Alberio R, Molina M.N., Grassi F.A. Direct anterior versus postero-lateral approach for bipolar hip hemiarthroplasty in femoral neck fractures: a

- prospective randomized study. *The journal of arthroplasty*. 2019 Aug. (IF: 3.52, Ranking: Q1)
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28. Andriolo L., Altamura S. A., Reale D., **Candrian C.**, Zaffagnini S., Filardo G. Non-surgical treatments of patellar tendinopathy: multiple injection of platelet-rich plasma are a suitable option. A Systematic review and meta-analysis. *Am J Sports Med*, 2017. (IF: 6.057, Ranking: Q1)
29. Arrigoni C Petta D, Bersini S, Mironov V, **Candrian C**, Moretti M. Engineering complex muscle-tissue interfaces through microfabrication. *Biofabrication*. 2019 Jun 12;11(3):032004. (IF: 7.236, Ranking: Q1)
30. Luca Andriolo, Dennis C. Crawford, Davide Reale, Stefano Zaffagnini, **Christian Candrian**, Alessia Cavicchioli, Giuseppe Filardo. Osteochondritis Dissecans of the Knee: Etiology and Pathogenetic Mechanisms. A Systematic Review. *Cartilage* 1-18, July 2018. (IF: 2.621, Ranking: Q1)
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32. S. Bersini, M. Gilardi, M. Mora, S. Krol, C. Arrigoni, **C. Candrian**, S. Zanotti, M. Moretti. Tackling muscle fibrosis: From molecular mechanisms to next generation engineered models to predict drug delivery. *Advanced Drug Delivery Reviews*, In Press (IF: 11.8, Ranking: Q1)
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43. Francioli SE, **Candrian C**, Martin K, Heberer M, Martin I, Barbero A. Effect of three-dimensional expansion and cell seeding density on the cartilage-forming capacity of human articular chondrocytes in type II collagen sponges. J Biomed Mater Res A. 2010 Dec. (IF: 2.147, Ranking: Q1)
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50. Wolf F, Haug M, Farhadi J, **Candrian C**, Martin I, Barbero A. A low percentage of autologous serum can replace bovine serum to engineer human nasal cartilage. *European Cell & Material Journal*. 2008 Feb. (IF: 5.378, Ranking: Q1)
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Pubblicazioni su riviste senza impact factor come autore e/o co-autore

1. Martin Rieger, Marco Guidi, Giuseppe Filardo, **Christian Candrian**, "Splay Toe after Freiberg-Köhler's Osteonecrosis: A Case Report of a Successful Operative Treatment in a Rare Multiplanar Foot Deformity", *Case Reports in Orthopedics*, vol. 2020, Article ID 8830166, 5 pages, 2020
2. Previtali D., Filardo G., Napoli F., Di Laura Frattura G., Marbach F., **Candrian C**. L'evidenza scientifica sul trattamento della cuffia dei rotatori. *Tribuna Medica Ticino*, Febbraio 2019
3. Giorgio di Laura Frattura, Giuseppe Filardo, Dario Giunchi, Augusto Fusco, Stefano Zaffagnini, **Christian Candrian**. Risk of falls in patients with knee osteoarthritis undergoing total knee arthroplasty: A systematic review and best evidence synthesis. *Journal of Orthopaedics*, Volume 15, Issue 3, September 2018
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5. F. Marbach, N. Schiavone, F. Del Grande, G. Walch, **Candrian C**. La periartrropatia omeroscapolare non esiste più "Spalla rigida/congelata". Giugno 2016, *Tribuna medica Ticino*

6. E.A. Testa, J. Müller, P. Gaffurini, **Candrian C.** "Tendinopatia achillea: di cosa stiamo parlando e come ci dobbiamo comportare", Aprile 2016, Tribuna medica Ticinese
7. **Candrian C.**, Schiavone N., Del Grande F., Marbach F., Walch G. La periartropatia omeroscapolare non esiste più-le patologie dell'articolazione acromio-claveari. Tribuna Medica Ticino. 11/2014, 279-282
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12. Potocnik P., Puig L, **Candrian C.** Periprosthetic fractures of the proximal femur - Vancouver A type fracture. European Orthopaedics and Traumatology. June 2013, Volume 4, Issue 2, pp 73–75
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