

# Andrea Visani

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

1,898  
citations

279798

23  
h-index

276875

41  
g-index

69  
all docs

69  
docs citations

69  
times ranked

1635  
citing authors

#	ARTICLE	IF	CITATIONS
1	Arthroscopic autologous chondrocyte transplantation: technical note. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2002, 10, 154-159.	4.2	170
2	Multiple osteochondral arthroscopic grafting (mosaicplasty) for cartilage defects of the knee: Prospective study results at 2-year follow-up. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2005, 21, 462-470.	2.7	117
3	Pivot-shift test: Analysis and quantification of knee laxity parameters using a navigation system. <i>Journal of Orthopaedic Research</i> , 2010, 28, 164-169.	2.3	115
4	An original clinical methodology for non-invasive assessment of pivot-shift test. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2012, 15, 1323-1328.	1.6	103
5	Quantitative assessment of pivot-shift using inertial sensors. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 713-717.	4.2	94
6	Anatomic double-bundle and over-the-top single-bundle with additional extra-articular tenodesis: an in vivo quantitative assessment of knee laxity in two different ACL reconstructions. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 153-159.	4.2	94
7	Second-generation arthroscopic autologous chondrocyte implantation for the treatment of degenerative cartilage lesions. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 1704-1713.	4.2	74
8	Vascularity and neuroreceptors of the pes anserinus: Anatomic Study. <i>Clinical Anatomy</i> , 2003, 16, 19-24.	2.7	72
9	Reliability of a navigation system for intra-operative evaluation of antero-posterior knee joint laxity. <i>Computers in Biology and Medicine</i> , 2009, 39, 280-285.	7.0	63
10	Anthropometric and Strength Variables to Predict Freestyle Performance Times in Elite Master Swimmers. <i>Journal of Strength and Conditioning Research</i> , 2008, 22, 1298-1307.	2.1	61
11	Modifying bone scaffold architecture in vivo with permanent magnets to facilitate fixation of magnetic scaffolds. <i>Bone</i> , 2013, 56, 432-439.	2.9	58
12	Validation of a new protocol for navigated intraoperative assessment of knee kinematics. <i>Computers in Biology and Medicine</i> , 2007, 37, 872-878.	7.0	52
13	The Impact of Frailty on Spine Surgery: Systematic Review on 10 years Clinical Studies. , 2021, 12, 625.		47
14	Innovative magnetic scaffolds for orthopedic tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 2278-2286.	4.0	42
15	Knee stability before and after total and unicondylar knee replacement: In vivo kinematic evaluation utilizing navigation. <i>Journal of Orthopaedic Research</i> , 2009, 27, 202-207.	2.3	36
16	Results in the treatment of recurrent dislocation of the patella after 30 years' follow-up. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 1995, 3, 163-166.	4.2	35
17	Tribological characterization of zirconia coatings deposited on Ti6Al4V components for orthopedic applications. <i>Materials Science and Engineering C</i> , 2016, 62, 643-655.	7.3	35
18	Nano-Based Biomaterials as Drug Delivery Systems Against Osteoporosis: A Systematic Review of Preclinical and Clinical Evidence. <i>Nanomaterials</i> , 2021, 11, 530.	4.1	33

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19	Innovative Technology for Knee Laxity Evaluation. Clinics in Sports Medicine, 2013, 32, 61-70.	1.8	31
20	Inertial sensors to quantify the pivot shift test in the treatment of anterior cruciate ligament injury. Joints, 2014, 02, 124-129.	1.5	31
21	Arthroscopic management of recurrent anterior dislocation of the shoulder: analysis of technical modifications on the Caspari procedure. Arthroscopy - Journal of Arthroscopic and Related Surgery, 1996, 12, 144-149.	2.7	27
22	Tough and adhesive nanostructured calcium phosphate thin films deposited by the pulsed plasma deposition method. RSC Advances, 2015, 5, 78561-78571.	3.6	26
23	The Mobility of the Proximal Tibio-Fibular Joint. A Roentgen Stereophotogrammetric Analysis on Six Cadaver Specimens. Foot and Ankle International, 2000, 21, 336-342.	2.3	25
24	A protocol for clinical evaluation of the carrying angle of the elbow by anatomic landmarks. Journal of Shoulder and Elbow Surgery, 2008, 17, 106-112.	2.6	24
25	The distal tibiofibular syndesmosis during passive foot flexion. RSA-based study on intact, ligament injured and screw fixed cadaver specimens. Archives of Orthopaedic and Trauma Surgery, 2006, 126, 304-308.	2.4	23
26	A new approach to scaffold fixation by magnetic forces: Application to large osteochondral defects. Medical Engineering and Physics, 2012, 34, 1287-1293.	1.7	21
27	Nanostructured Ag thin films deposited by pulsed electron ablation. Applied Surface Science, 2019, 475, 917-925.	6.1	21
28	Results of the original Putti-Platt procedure for shoulder instability: review of Putti's scholar experience. Knee Surgery, Sports Traumatology, Arthroscopy, 2000, 8, 314-319.	4.2	20
29	A roentgen stereophotogrammetric analysis of unicompartmental knee arthroplasty. Journal of Arthroplasty, 2002, 17, 556-561.	3.1	17
30	Osteogenic Differentiation of hDPSCs on Biogenic Bone Apatite Thin Films. Stem Cells International, 2017, 2017, 1-10.	2.5	17
31	Biosynthetic scaffolds for partial meniscal loss: A systematic review from animal models to clinical practice. Bioactive Materials, 2021, 6, 3782-3800.	15.6	17
32	NANOMECHANICAL CHARACTERIZATION OF ZIRCONIA THIN FILMS DEPOSITED ON UHMWPE BY PULSED PLASMA DEPOSITION. Journal of Mechanics in Medicine and Biology, 2015, 15, 1550070.	0.7	16
33	Arthroscopic reconstruction of the anterior cruciate ligament with Leeds-Keio ligament in non-professional athletes. Knee Surgery, Sports Traumatology, Arthroscopy, 1996, 4, 9-13.	4.2	15
34	Comparison of three formal methods used to estimate the functional axis of rotation: an extensive <i>in-vivo</i> analysis performed on the knee joint. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 484-492.	1.6	15
35	Estimating the Elbow Carrying Angle With an Electrogoniometer: Acquisition of Data and Reliability of Measurements. Orthopedics, 2008, 31, 370.	1.1	15
36	Criteria of interface evaluation for computer assisted surgery systems. International Journal of Medical Informatics, 2003, 72, 35-45.	3.3	14

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37	Can rotatory knee laxity be predicted in isolated anterior cruciate ligament surgery?. International Orthopaedics, 2014, 38, 1167-1172.	1.9	14
38	Changes in knee motion over the first 3 years with a mobile-bearing prosthesis. Knee, 2006, 13, 301-306.	1.6	13
39	Optimizing thickness of ceramic coatings on plastic components for orthopedic applications: A finite element analysis. Materials Science and Engineering C, 2016, 58, 381-388.	7.3	13
40	Computer analysis of PCL fibres during range of motion. Knee Surgery, Sports Traumatology, Arthroscopy, 2004, 12, 420-8.	4.2	12
41	Nanoindentation: An advanced procedure to investigate osteochondral engineered tissues. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 96, 79-87.	3.1	12
42	Trend Of The Carrying Angle During Flexion-Extension Of The Elbow Joint: A Pilot Study. Orthopedics, 2008, 31, 76.	1.1	12
43	The stress-inducible displacement detected through RSA in non-migrating UKR. Knee, 2005, 12, 301-306.	1.6	11
44	Monte Carlo simulator of realistic x-ray beam for diagnostic applications. Medical Physics, 2010, 37, 4201-4209.	3.0	11
45	Analysis of knee functional flexion axis in navigated TKA: identification and repeatability before and after implant positioning. Knee Surgery, Sports Traumatology, Arthroscopy, 2014, 22, 694-702.	4.2	11
46	Development and applications of a software tool for diarthrodial joint analysis. Computer Methods and Programs in Biomedicine, 2006, 83, 50-56.	4.7	10
47	Monitoring morphological and chemical properties during silver solid-state dewetting. Applied Surface Science, 2019, 498, 143890.	6.1	9
48	Total knee arthroplasty without patellar resurfacing in active and overweight patients. Knee Surgery, Sports Traumatology, Arthroscopy, 1997, 5, 258-261.	4.2	8
49	Functionalization of Ceramic Coatings for Enhancing Integration in Osteoporotic Bone: A Systematic Review. Coatings, 2019, 9, 312.	2.6	8
50	Variation of the spatial position computed by Roentgen Stereophotogrammetric Analysis (RSA) under non-standard conditions. Medical Engineering and Physics, 1999, 21, 575-581.	1.7	7
51	Semiempirical simulation of x-ray detectors for imaging applications. Medical Physics, 2012, 39, 7677-7685.	3.0	7
52	Micromotion between the half bearings in the interax prosthesis: A roentgen stereophotogrammetric analysis. Journal of Arthroplasty, 2001, 16, 991-997.	3.1	6
53	How preconditioning and pretensioning of grafts used in ACL ligaments surgical reconstruction are influenced by their mechanical time-dependent characteristics: Can we optimize their initial loading state?. Clinical Biomechanics, 2021, 83, 105294.	1.2	6
54	Application of magnetic rods for fixation in orthopedic treatments. Computers in Biology and Medicine, 2015, 61, 101-106.	7.0	5

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55	Effects of working gas pressure on zirconium dioxide thin film prepared by pulsed plasma deposition: roughness, wettability, friction and wear characteristics. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 72, 200-208.	3.1	5
56	Determination of the Spatial Anisotropy of the Surface MicroStructures of Different Implant Materials: An Atomic Force Microscopy Study. <i>Materials</i> , 2021, 14, 4803.	2.9	5
57	Radiostereometric measurement of polyethylene deformation pattern in meniscal bearing TKR at 5Âyears follow-up. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2008, 16, 142-147.	4.2	4
58	ACCURACY CHARACTERIZATION OF AN INTEGRATED OPTICAL-BASED METHOD FOR LOADS MEASUREMENT IN COMPUTER AIDED SURGERY. <i>Journal of Mechanics in Medicine and Biology</i> , 2010, 10, 577-591.	0.7	4
59	Changes in the orientation of knee functional flexion axis during passive flexion and extension movements in navigated total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 2461-2469.	4.2	4
60	Biosensors for real-time monitoring of physiological processes in the musculoskeletal system: A systematic review. <i>Journal of Cellular Physiology</i> , 2019, 234, 21504-21518.	4.1	4
61	Revisiting open capsuloplasty for the treatment of anterior shoulder instability: 35-year follow-up of the Du Toit procedure. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2007, 15, 1055-1061.	4.2	3
62	Assessing conformal thin film growth under nonstochastic deposition conditions: application of a phenomenological model of roughness replication to synthetic topographic images. <i>Journal of Microscopy</i> , 2020, 280, 270-279.	1.8	3
63	A system for computer and robot assisted knee implantation. , 1992, , .		2
64	Evidence from systematic reviews on photobiomodulation of human bone and stromal cells: Where do we stand?. <i>Archives of Biochemistry and Biophysics</i> , 2020, 685, 108333.	3.0	2
65	Relationship between coracoacromial arch and rotator cuff analysed by a computer-assisted method. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2008, 4, 174-179.	2.3	1
66	RESTORATION OF THE SEAL FUNCTION OF THE ACETABULAR LABRUM: <i>IN VITRO</i> STUDY. <i>Journal of Mechanics in Medicine and Biology</i> , 2015, 15, 1540036.	0.7	1
67	A Nanomechanical Investigation of Engineered Bone Tissue Comparing Elastoplastic and Viscoelastoplastic Modeling. <i>Advances in Materials Science and Engineering</i> , 2017, 2017, 1-8.	1.8	1
68	61 Navigated Revision Total Knee Replacement. , 2015, , 735-745.		0