

Antonio Gigante

List of Publications by Year in descending order

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105
papers

3,493
citations

126907

33
h-index

144013

57
g-index

106
all docs

106
docs citations

106
times ranked

5044
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan, hyaluronan and chondroitin sulfate in tissue engineering for cartilage regeneration: A review. <i>Carbohydrate Polymers</i> , 2012, 89, 723-739.	10.2	373
2	Genipin-Crosslinked Chitosan Gels and Scaffolds for Tissue Engineering and Regeneration of Cartilage and Bone. <i>Marine Drugs</i> , 2015, 13, 7314-7338.	4.6	211
3	Biomimetic Mg- and Mg,CO ₃ -substituted hydroxyapatites: synthesis characterization and in vitro behaviour. <i>Journal of the European Ceramic Society</i> , 2006, 26, 2593-2601.	5.7	203
4	Chitosan stabilizes platelet growth factors and modulates stem cell differentiation toward tissue regeneration. <i>Carbohydrate Polymers</i> , 2013, 98, 665-676.	10.2	178
5	Open versus percutaneous repair in the treatment of acute Achilles tendon rupture: a randomized prospective study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2008, 16, 204-209.	4.2	141
6	Patellofemoral Malalignment in Adolescents. <i>American Journal of Sports Medicine</i> , 1994, 22, 55-60.	4.2	104
7	The role of intra-articular hyaluronan (Sinovial [®]) in the treatment of osteoarthritis. <i>Rheumatology International</i> , 2011, 31, 427-444.	3.0	102
8	One-step cartilage repair in the knee: Collagen-covered microfracture and autologous bone marrow concentrate. A pilot study. <i>Knee</i> , 2015, 22, 30-35.	1.6	97
9	Single-stage cartilage repair in the knee with microfracture covered with a resorbable polymer-based matrix and autologous bone marrow concentrate. <i>Knee</i> , 2013, 20, 562-569.	1.6	91
10	Rotator cuff re-tear or non-healing: histopathological aspects and predictive factors. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 1588-1596.	4.2	81
11	Arthroscopic Knee Cartilage Repair With Covered Microfracture and Bone Marrow Concentrate. <i>Arthroscopy Techniques</i> , 2012, 1, e175-e180.	1.3	78
12	Distal realignment and patellar autologous chondrocyte implantation: mid-term results in a selected population. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2009, 17, 2-10.	4.2	66
13	The Effects of Patellar Taping on Patellofemoral Incongruence. <i>American Journal of Sports Medicine</i> , 2001, 29, 88-92.	4.2	64
14	Physical properties imparted by genipin to chitosan for tissue regeneration with human stem cells: A review. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 1366-1381.	7.5	63
15	Oral chondroprotection with nutraceuticals made of chondroitin sulphate plus glucosamine sulphate in osteoarthritis. <i>Carbohydrate Polymers</i> , 2014, 109, 126-138.	10.2	61
16	Membrane-seeded autologous chondrocytes: cell viability and characterization at surgery. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2007, 15, 88-92.	4.2	60
17	Collagen I membranes for tendon repair: Effect of collagen fiber orientation on cell behavior. <i>Journal of Orthopaedic Research</i> , 2009, 27, 826-832.	2.3	52
18	Homologous platelet-rich plasma for the treatment of knee osteoarthritis in selected elderly patients: an open-label, uncontrolled, pilot study. <i>Therapeutic Advances in Musculoskeletal Disease</i> , 2016, 8, 35-41.	2.7	52

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19	Superior capsular reconstruction of the shoulder: the ABC (Arthroscopic Biceps Chillemi) technique. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2018, 28, 1215-1223.	1.4	51
20	Fibrin-antibiotic mixtures: An in vitro study assessing the possibility of using a biologic carrier for local drug delivery. <i>Journal of Biomedical Materials Research Part B</i> , 1991, 25, 39-51.	3.1	50
21	Characterization of cultured human ligamentum flavum cells in lumbar spine stenosis. <i>Journal of Orthopaedic Research</i> , 2001, 19, 294-300.	2.3	49
22	Selective laser sintering manufacturing of polycaprolactone bone scaffolds for applications in bone tissue engineering. <i>Rapid Prototyping Journal</i> , 2015, 21, 386-392.	3.2	49
23	Isolation of osteogenic progenitors from human amniotic fluid using a single step culture protocol. <i>BMC Biotechnology</i> , 2009, 9, 9.	3.3	46
24	Human Periosteum-Derived Stem Cells for Tissue Engineering Applications: The Role of VEGF. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 882-890.	5.6	45
25	Mechanical and Enzymatic Procedures to Isolate the Stromal Vascular Fraction From Adipose Tissue: Preliminary Results. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 88.	3.7	45
26	Autologous implantation of chondrocytes on a solid collagen scaffold: clinical and histological outcomes after two years of follow-up. <i>Journal of Orthopaedics and Traumatology</i> , 2005, 6, 36-43.	2.3	41
27	Effectiveness of Vitamin-E-Doped Polyethylene in Joint Replacement: A Literature Review. <i>Journal of Functional Biomaterials</i> , 2015, 6, 889-900.	4.4	39
28	Synovial Fluid Calprotectin for the Preoperative Diagnosis of Chronic Periprosthetic Joint Infection. <i>Journal of Arthroplasty</i> , 2020, 35, 534-537.	3.1	39
29	Increased external tibial torsion in Osgood-Schlatter disease. <i>Acta Orthopaedica</i> , 2003, 74, 431-436.	1.4	38
30	Intercondylar eminence fracture treated by resorbable magnesium screws osteosynthesis: A case series. <i>Injury</i> , 2018, 49, S48-S53.	1.7	38
31	Fibrous cartilage in the rotator cuff: a pathogenetic mechanism of tendon tear?. <i>Journal of Shoulder and Elbow Surgery</i> , 2004, 13, 328-332.	2.6	36
32	Matrix-induced autologous chondrocyte implantation (MACI) in the knee. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 862-869.	4.2	35
33	Non-Steroidal Anti-Inflammatory Drugs and Gastroprotection with Proton Pump Inhibitors. <i>Clinical Drug Investigation</i> , 2012, 32, 221-233.	2.2	33
34	Human Periosteal Derived Stem Cell Potential: The Impact of age. <i>Stem Cell Reviews and Reports</i> , 2015, 11, 487-500.	5.6	33
35	Neurotrophins and their receptors in early axonal regeneration along muscle-vein-combined grafts. <i>Microsurgery</i> , 2002, 22, 300-303.	1.3	31
36	Engineered articular cartilage: influence of the scaffold on cell phenotype and proliferation. <i>Journal of Materials Science: Materials in Medicine</i> , 2003, 14, 713-716.	3.6	31

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37	Arthroscopy-assisted reduction and percutaneous fixation of a multiple glenoid fracture. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2003, 11, 112-115.	4.2	31
38	Real-time sonoelastography as novel follow-up method in Achilles tendon surgery. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 2124-2132.	4.2	30
39	Metalloproteases and their inhibitors are altered in both torn and intact rotator cuff tendons. <i>Musculoskeletal Surgery</i> , 2013, 97, 39-47.	1.5	28
40	Matrix metalloproteases and their inhibitors are altered in torn rotator cuff tendons, but also in the macroscopically and histologically intact portion of those tendons. <i>Muscles, Ligaments and Tendons Journal</i> , 2013, 3, 132-8.	0.3	26
41	Percutaneous repair of achilles tendon rupture: ultrasonographical and isokinetic evaluation. <i>Foot and Ankle Surgery</i> , 2002, 8, 267-276.	1.7	25
42	Vitamin MK-7 enhances vitamin D3-induced osteogenesis in hMSCs: modulation of key effectors in mineralization and vascularization. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 691-701.	2.7	24
43	Sodium chromo-glycate and palmitoylethanolamide: A possible strategy to treat mast cell-induced lung inflammation in COVID-19. <i>Medical Hypotheses</i> , 2020, 143, 109856.	1.5	24
44	Mesenchymal Stem Cells on Plasma-Deposited Acrylic Acid Coatings: An In Vitro Investigation to Improve Biomaterial Performance in Bone Reconstruction. <i>Journal of Bioactive and Compatible Polymers</i> , 2005, 20, 343-360.	2.1	23
45	Arthroscopic Delivery of Matrix-Induced Autologous Chondrocyte Implant. <i>Cartilage</i> , 2012, 3, 156-164.	2.7	23
46	Acute osteomyelitis and septic arthritis in children: a systematic review of systematic reviews. <i>European Review for Medical and Pharmacological Sciences</i> , 2019, 23, 145-158.	0.7	23
47	Stem Cells in Autologous Microfragmented Adipose Tissue: Current Perspectives in Osteoarthritis Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10197.	4.1	21
48	Real-time sonoelastography: principles and clinical applications in tendon disorders.. <i>Muscles, Ligaments and Tendons Journal</i> , 2017, 7, 467.	0.3	20
49	Purified collagen I oriented membrane for tendon repair: An ex vivo morphological study. <i>Journal of Orthopaedic Research</i> , 2013, 31, 738-745.	2.3	19
50	Effects of elastin-derived peptide on Achilles' tendon healing: an experimental study. <i>Journal of Materials Science: Materials in Medicine</i> , 2003, 14, 717-720.	3.6	18
51	Nutraceutical supplement in the management of tendinopathies: a systematic review. <i>Muscles, Ligaments and Tendons Journal</i> , 2016, 6, 48-57.	0.3	18
52	Distribution of elastic fiber types in the epiphyseal region. <i>Journal of Orthopaedic Research</i> , 1996, 14, 810-817.	2.3	17
53	Elastic fibers of musculoskeletal tissues in bovine marfan syndrome: A morphometric study. <i>Journal of Orthopaedic Research</i> , 1999, 17, 624-628.	2.3	16
54	Primary reverse shoulder arthroplasty for acute proximal humerus fractures: A 5-year long term retrospective study of elderly patients. <i>Injury</i> , 2019, 50, 1974-1977.	1.7	16

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55	Can Clinical and Surgical Parameters Be Combined to Predict How Long It Will Take a Tibia Fracture to Heal? A Prospective Multicentre Observational Study: The FRACTING Study. <i>BioMed Research International</i> , 2018, 2018, 1-7.	1.9	15
56	Treatment of complex foot deformities with hexapod external fixator in growing children and young adult patients. <i>Foot and Ankle Surgery</i> , 2019, 25, 623-629.	1.7	15
57	Distalization and Medialization of Tibial Tuberosity for the Treatment of Potential Patellar Instability with Patella Alta. <i>Joints</i> , 2018, 06, 080-084.	1.5	14
58	The use of intra-articular injection of autologous micro-fragmented adipose tissue as pain treatment for ankle osteoarthritis: a prospective not randomized clinical study. <i>International Orthopaedics</i> , 2021, 45, 2239-2244.	1.9	14
59	Arthroscopic Transphyseal Anterior Cruciate Ligament Reconstruction in Adolescent Athletes. <i>Journal of Orthopaedic Surgery</i> , 2016, 24, 307-311.	1.0	13
60	Adipose Micro-Grafts Enhance Tendinopathy Healing in Ovine Model: An in Vivo Experimental Perspective Study. <i>Stem Cells Translational Medicine</i> , 2021, 10, 1544-1560.	3.3	13
61	Synovial Biomarkers to Detect Chronic Periprosthetic Joint Infection: A Pilot Study to Compare Calprotectin Rapid Test, Calprotectin ELISA Immunoassay and Leukocyte Esterase Test. <i>Journal of Arthroplasty</i> , 2022, 37, 781-786.	3.1	13
62	Bone-derived titanium coating improves in vivo implant osseointegration in an experimental animal model. , 2014, 102, 303-310.		12
63	Autologous chondrocyte implantation: cells phenotype and proliferation analysis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2001, 9, 254-258.	4.2	10
64	The role of arthroscopy in articular fracture management: the lower limb. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2015, 25, 807-813.	1.4	10
65	Age-Related Changes of Elastic Fibers in Shoulder Capsule of Patients with Glenohumeral Instability: A Pilot Study. <i>BioMed Research International</i> , 2018, 2018, 1-7.	1.9	10
66	Treatment of avascular osteonecrosis of femoral head by core decompression and platelet-rich plasma: a prospective not controlled study. <i>International Orthopaedics</i> , 2020, 44, 1287-1294.	1.9	10
67	Effect of blood on the morphological, biochemical and biomechanical properties of engineered cartilage. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2007, 15, 1251-1257.	4.2	9
68	Midshaft clavicle fractures treatment: threaded Kirschner wire versus conservative approach. <i>Strategies in Trauma and Limb Reconstruction</i> , 2017, 12, 141-150.	0.8	8
69	Fibrocartilaginous metaplasia identified in the long head of the biceps brachii. <i>Journal of Shoulder and Elbow Surgery</i> , 2018, 27, 1221-1225.	2.6	8
70	Semitendinosus and gracilis free muscle-tendon graft for repair of massive rotator cuff tears: surgical technique. <i>Joints</i> , 2016, 04, 189-192.	1.5	8
71	Late-diagnosed large osteochondral fracture of the lateral femoral condyle in an adolescent. <i>Journal of Pediatric Orthopaedics Part B</i> , 2013, 22, 344-349.	0.6	7
72	Arthroscopic management of articular and peri-articular fractures of the upper limb. <i>EFORT Open Reviews</i> , 2016, 1, 325-331.	4.1	7

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73	Influence of sex and gender on the management of late-stage knee osteoarthritis. <i>Musculoskeletal Surgery</i> , 2022, 106, 457-467.	1.5	7
74	Title is missing!. <i>Journal of Pediatric Orthopaedics</i> , 1999, 19, 283-288.	1.2	7
75	Patellar tendon healing after removal of its central third. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2001, 9, 92-101.	4.2	6
76	Physiopathology of the repair process of lesions of Achilles tendon. <i>Foot and Ankle Surgery</i> , 2006, 12, 5-11.	1.7	6
77	Blood exposure has a negative effect on engineered cartilage. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 1035-1042.	4.2	6
78	The effects of growth factors on skeletal muscle lesions. <i>Joints</i> , 2013, 1, 180-6.	1.5	6
79	DL-penicillamine induced alteration of elastic fibers of periosteum-perichondrium and associated growth inhibition: an experimental study. <i>Journal of Orthopaedic Research</i> , 2001, 19, 398-404.	2.3	5
80	Gorham-Stout disease as a complication of posterior shoulder capsulorrhaphy. <i>Journal of Shoulder and Elbow Surgery</i> , 2012, 21, e1-e7.	2.6	5
81	Evaluation of patello-femoral alignment by CT scans: interobserver reliability of several parameters. <i>Radiologia Medica</i> , 2015, 120, 1031-1042.	7.7	4
82	Isolated Subscapularis Tendon Tear in a Skeletally Immature Soccer Player. <i>Joints</i> , 2018, 06, 068-070.	1.5	4
83	A Rare Case of Distal Interphalangeal Chondromatosis in the Middle Finger: Case Report With Review of Literature. <i>Anticancer Research</i> , 2019, 39, 2951-2955.	1.1	4
84	Synovium-derived stromal cell-induced osteoclastogenesis: a potential osteoarthritis trigger. <i>Clinical Science</i> , 2019, 133, 1813-1824.	4.3	4
85	Collagenous fibroma of the deltoid muscle: clinical, surgical and histopathological aspects. <i>Journal of Orthopaedics and Traumatology</i> , 2007, 8, 91-94.	2.3	3
86	Response to Letter to the Editor on "Synovial Fluid Calprotectin for the Preoperative Diagnosis of Chronic Periprosthetic Joint Infection". <i>Journal of Arthroplasty</i> , 2020, 35, 2298.	3.1	3
87	New Strategies for Muscular Repair and Regeneration. , 2017, , 145-156.		3
88	THE EFFECTS OF GROWTH FACTORS ON SKELETAL MUSCLE LESIONS. <i>Joints</i> , 0, , .	1.5	3
89	Arthroscopic management of heterotopic ossification of the subscapularis tendon in a patient with tuberculosis: a case report. <i>Journal of Shoulder and Elbow Surgery</i> , 2012, 21, e1-e5.	2.6	2
90	Retained versus resected posterior cruciate ligament in mobile-bearing total knee replacement: a retrospective, clinical and functional assessment. <i>Musculoskeletal Surgery</i> , 2015, 99, 149-154.	1.5	2

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91	Autologous Costal Cartilage Graft—A New Method to Treat Articular Cartilage Defects: Case Report and Note of Surgical Technique. <i>Joints</i> , 2018, 06, 246-250.	1.5	2
92	Is Dual Mobility Total Hip Arthroplasty Surgery More Aggressive than Hemiarthroplasty when Treating Femoral Neck Fracture in the Elderly? A Multicentric Retrospective Study on 302 Hips. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2022, 13, 215145932210813.	1.4	2
93	Coracoid syndrome: a neglected cause of anterior shoulder pain. <i>Joints</i> , 2016, 04, 031-038.	1.5	1
94	How to Manage Failed Rotator Cuff Repair: Biologic Augmentation. , 2018, , 219-228.		1
95	The Arthroscopic Intra-Articular Stabilization of the Shoulder for Irreparable Rotator Cuff Tear: A New Technique Proposal. <i>Frontiers in Surgery</i> , 2021, 8, 624100.	1.4	1
96	Surgical Epicondylar Axis of the Knee and Its Relationship to the Axial Tibia Alignment in Knee Osteoarthritis: The Concept of Proximal Twist Tibia. <i>Journal of Knee Surgery</i> , 2023, 36, 710-715.	1.6	1
97	Treatment of periprosthetic supracondylar fractures after CR total knee arthroplasty with retrograde intramedullary nailing in an elderly population: a long term evaluation. <i>Orthopedic Reviews</i> , 2022, 14, .	1.3	1
98	Kienbock's disease with negative ulnar variance: surgical treatment with ulnar lengthening. <i>Journal of Orthopaedics and Traumatology</i> , 2003, 4, 30-34.	2.3	0
99	Total Knee Prosthesis Polyethylene wear Reduction by a New Metal Part Finishing Method. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2013, 11, 99-105.	1.6	0
100	Can Elastasonography Be Useful in Improving Diagnosis and Prognosis of Acute Muscle Injuries?. <i>Joints</i> , 2018, 06, 116-121.	1.5	0
101	Response to Letter to the Editor —Treatment of complex foot deformities with hexapod external fixator in growing children and young adult patients— <i>Foot and Ankle Surgery</i> , 2019, 25, 702.	1.7	0
102	Suture anchor reinsertions of distal biceps rupture: a histologic analysis of a torn tendon and clinical results at short- and long-term follow-up. <i>Journal of Shoulder and Elbow Surgery</i> , 2021, 30, 352-358.	2.6	0
103	Arthroscopic Autologous Chondrocyte Implantation for the Treatment of Chondral Defect in the Knee and Ankle. , 2012, , 711-720.		0
104	Basic Science and Injury in Growing Athletes: Muscle, Tendon, and Ligament. , 2014, , 19-30.		0
105	ICL-15 Cartilage Lesion and the Patellofemoral Joint. , 2014, , 127-138.		0