Giuseppe M. Peretti

List of Publications by Year
in descending order

132	5,549	81839	91828
papers	citations	39 h-index	69 g-index

137	137	137	6190
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pericytes of human skeletal muscle are myogenic precursors distinct from satellite cells. Nature Cell Biology, 2007, 9, 255-267.	4.6	899
2	Recapitulation of signals regulating embryonic bone formation during postnatal growth and in fracture repair. Mechanisms of Development, 1998, 71, 65-76.	1.7	329
3	Early osteoarthritis of the knee. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 1753-1762.	2.3	180
4	The Benefit of Synthetic Versus Biological Patch Augmentation in the Repair of Posterosuperior Massive Rotator Cuff Tears. American Journal of Sports Medicine, 2014, 42, 1169-1175.	1.9	166
5	Cell-Based Therapy for Meniscal Repair. American Journal of Sports Medicine, 2004, 32, 146-158.	1.9	148
6	MicroRNA in osteoarthritis: physiopathology, diagnosis and therapeutic challenge. British Medical Bulletin, 2019, 130, 137-147.	2.7	136
7	Review of Injectable Cartilage Engineering Using Fibrin Gel in Mice and Swine Models. Tissue Engineering, 2006, 12, 1151-1168.	4.9	134
8	Meniscus repair and regeneration: review on current methods and research potential. , 2013, 26, 150-170.		118
9	Injectable Tissue-Engineered Cartilage with Different Chondrocyte Sources. Plastic and Reconstructive Surgery, 2004, 113, 1361-1371.	0.7	110
10	Non-surgical treatments for the management of early osteoarthritis. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 1775-1785.	2.3	108
11	One-step surgery with multipotent stem cells and Hyaluronan-based scaffold for the treatment of full-thickness chondral defects of the knee in patients older than 45Âyears. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 2494-2501.	2.3	107
12	The role of meniscal tissue in joint protection in early osteoarthritis. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 1763-1774.	2.3	84
13	One-step osteochondral repair with cartilage fragments in a composite scaffold. Knee Surgery, Sports Traumatology, Arthroscopy, 2012, 20, 2590-2601.	2.3	83
14	Tissue-Engineered Flexible Ear-Shaped Cartilage. Plastic and Reconstructive Surgery, 2005, 115, 1633-1641.	0.7	78
15	PRP and Articular Cartilage: A Clinical Update. BioMed Research International, 2015, 2015, 1-19.	0.9	72
16	Response of Human Engineered Cartilage Based on Articular or Nasal Chondrocytes to Interleukin-1Î² and Low Oxygen. Tissue Engineering - Part A, 2012, 18, 362-372.	1.6	70
17	Cell-Based Tissue-Engineered Allogeneic Implant for Cartilage Repair. Tissue Engineering, 2000, 6, 567-576.	4.9	68
18	Surgical treatment of chronic acromioclavicular dislocation: Comparison between two surgical procedures for anatomic reconstruction. Injury, 2010, 41, 1103-1106.	0.7	68

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19	Bonding of cartilage matrices with cultured chondrocytes: An experimental model. Journal of Orthopaedic Research, 1998, 16, 89-95.	1.2	67
20	An Allogenic Cellâ€"Based Implant for Meniscal Lesions. American Journal of Sports Medicine, 2006, 34, 1779-1789.	1.9	67
21	Regenerative approaches for the treatment of early OA. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 1826-1835.	2.3	66
22	Biomechanical Analysis of a Chondrocyte-Based Repair Model of Articular Cartilage. Tissue Engineering, 1999, 5, 317-326.	4.9	64
23	Healing of meniscal tissue by cellular fibrin glue: an in vivo study. Knee Surgery, Sports Traumatology, Arthroscopy, 2009, 17, 645-651.	2.3	63
24	Fragility Fractures: Risk Factors and Management in the Elderly. Medicina (Lithuania), 2021, 57, 1119.	0.8	62
25	A Biomechanical Analysis of an Engineered Cell-Scaffold Implant for Cartilage Repair. Annals of Plastic Surgery, 2001, 46, 533-537.	0.5	59
26	Healing potential of transplanted allogeneic chondrocytes of three different sources in lesions of the avascular zone of the meniscus: a pilot study. Archives of Orthopaedic and Trauma Surgery, 2006, 126, 599-605.	1.3	59
27	Analysis of bending behavior of native and engineered auricular and costal cartilage. Journal of Biomedical Materials Research Part B, 2004, 68A, 597-602.	3.0	58
28	Sport and early osteoarthritis: the role of sport in aetiology, progression and treatment of knee osteoarthritis. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 1786-1796.	2.3	58
29	Anti-TNFÎ± agents curb platelet activation in patients with rheumatoid arthritis. Annals of the Rheumatic Diseases, 2016, 75, 1511-1520.	0.5	57
30	Conditions affecting cell seeding onto threeâ€dimensional scaffolds for cellularâ€based biodegradable implants. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 91B, 80-87.	1.6	55
31	HETEROTOPIC OSSIFICATION AROUND THE ELBOW FOLLOWING BURNS IN CHILDREN. Journal of Bone and Joint Surgery - Series A, 2003, 85, 1538-1543.	1.4	55
32	Meniscal repair using engineered tissue. Journal of Orthopaedic Research, 2001, 19, 278-285.	1.2	53
33	Animal models for meniscus repair and regeneration. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 512-527.	1.3	53
34	Effect of in vitro culture on a chondrocyte-fibrin glue hydrogel for cartilage repair. Knee Surgery, Sports Traumatology, Arthroscopy, 2010, 18, 1400-1406.	2.3	48
35	Consequences for the Elderly After COVID-19 Isolation: FEaR (Frail Elderly amid Restrictions). Frontiers in Psychology, 2020, 11, 565052.	1.1	48
36	Long-Term Coronavirus Disease 2019 Complications in Inpatients and Outpatients: A One-Year Follow-up Cohort Study. Open Forum Infectious Diseases, 2021, 8, ofab384.	0.4	47

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37	Autologous cartilage fragments in a composite scaffold for one stage osteochondral repair in a goat model. , 2013, 26, 15-32.		47
38	Cell-based bonding of articular cartilage: An extended study. Journal of Biomedical Materials Research Part B, 2003, 64A, 517-524.	3.0	46
39	Collagen Scaffold for Cartilage Tissue Engineering: The Benefit of Fibrin Glue and the Proper Culture Time in an Infant Cartilage Model. Tissue Engineering - Part A, 2014, 20, 1113-1126.	1.6	44
40	Fibrin-Based Model for Cartilage Regeneration: Tissue Maturation fromIn VitrotoIn Vivo. Tissue Engineering - Part A, 2012, 18, 1109-1122.	1.6	42
41	Human cartilage fragments in a composite scaffold for single-stage cartilage repair: an in vitro study of the chondrocyte migration and the influence of TGF-Î²1 and G-CSF. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 1819-1833.	2.3	42
42	Potential of biomarkers during pharmacological therapy setting for postmenopausal osteoporosis: a systematic review. Journal of Orthopaedic Surgery and Research, 2021, 16, 351.	0.9	41
43	Prosthetic joint replacement for long bone metastases: analysis of 154 cases. Archives of Orthopaedic and Trauma Surgery, 2008, 128, 787-793.	1.3	39
44	Minced Umbilical Cord Fragments as a Source of Cells for Orthopaedic Tissue Engineering: An In Vitro Study. Stem Cells International, 2012, 2012, 1-13.	1.2	39
45	Bone marrow derived stem cells in joint and bone diseases: a concise review. International Orthopaedics, 2014, 38, 1787-1801.	0.9	37
46	Multidifferentiation potential of human mesenchymal stem cells from adipose tissue and hamstring tendons for musculoskeletal cell-based therapy. Regenerative Medicine, 2015, 10, 729-743.	0.8	33
47	Blood management in fast-track orthopedic surgery: an evidence-based narrative review. Journal of Orthopaedic Surgery and Research, 2019, 14, 263.	0.9	33
48	Tensile and compressive properties of healthy and osteoarthritic human articular cartilage. Biorheology, 2008, 45, 337-344.	1.2	31
49	Repair of osteochondral defects in the minipig model by OPF hydrogel loaded with adipose-derived mesenchymal stem cells. Regenerative Medicine, 2015, 10, 135-151.	0.8	31
50	Stem Cells for Bone Regeneration: From Cell-Based Therapies to Decellularised Engineered Extracellular Matrices. Stem Cells International, 2016, 2016, 1-15.	1.2	30
51	COVID-19: not a contraindication for surgery in patients with proximal femur fragility fractures. Journal of Orthopaedic Surgery and Research, 2020, 15, 285.	0.9	30
52	Covid-19â€"The real role of NSAIDs in Italy. Journal of Orthopaedic Surgery and Research, 2020, 15, 165.	0.9	29
53	Meniscus maturation in the swine model: changes occurring along with anterior to posterior and medial to lateral aspect during growth. Journal of Cellular and Molecular Medicine, 2014, 18, 1964-1974.	1.6	28
54	Evolution of the Anterior Approach in Lumbar Spine Fusion. World Neurosurgery, 2019, 131, 391-398.	0.7	28

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55	Effect of silver nanocoatings on catheters for haemodialysis in terms of cell viability, proliferation, morphology and antibacterial activity. Journal of Materials Science: Materials in Medicine, 2013, 24, 1105-1112.	1.7	27
56	Scaffolds for Knee Chondral and Osteochondral Defects: Indications for Different Clinical Scenarios. A Consensus Statement. Cartilage, 2021, 13, 1036S-1046S.	1.4	27
57	Allogeneic Umbilical Cord-Derived Mesenchymal Stem Cells as a Potential Source for Cartilage and Bone Regeneration: An In Vitro Study. Stem Cells International, 2017, 2017, 1-16.	1.2	26
58	The biomaterialistâ€™s task: scaffold biomaterials and fabrication technologies. Joints, 2013, 01, 130-137.	1.5	26
59	Modular prostheses in the treatment of proximal humerus metastases: review of 40 cases. Journal of Orthopaedics and Traumatology, 2008, 9, 5-10.	1.0	25
60	Tissue Engineered Cartilage Integration to Live and Devitalized Cartilage: A Study by Reflectance Mode Confocal Microscopy and Standard Histology. Connective Tissue Research, 2006, 47, 190-199.	1.1	24
61	Biological and chemical changes in fluoroquinolone-associated tendinopathies: a systematic review. British Medical Bulletin, 2019, 130, 39-49.	2.7	24
62	Osteochondral Repair by a Novel Interconnecting Collagenâ€“Hydroxyapatite Substitute: A Large-Animal Study. Tissue Engineering - Part A, 2015, 21, 704-715.	1.6	23
63	Cartilage Repair in the Inflamed Joint: Considerations for Biological Augmentation Toward Tissue Regeneration. Tissue Engineering - Part B: Reviews, 2016, 22, 149-159.	2.5	22
64	Clinical Performance, Patient Reported Outcome, and Radiological Results of a Short, Tapered, Porous, Proximally Coated Cementless Femoral Stem: Results up to Seven Years of Follow-Up. Journal of Arthroplasty, 2018, 33, 1133-1138.	1.5	22
65	Effect of Chemically Induced Hypoxia on Osteogenic and Angiogenic Differentiation of Bone Marrow Mesenchymal Stem Cells and Human Umbilical Vein Endothelial Cells in Direct Coculture. Cells, 2020, 9, 757.	1.8	22
66	Return to sports and re-rupture rate following anterior cruciate ligament reconstruction in amateur sportsman: long-term outcomes. Journal of Sports Medicine and Physical Fitness, 2019, 59, 1902-1907.	0.4	22
67	Pseudoaneurysm overlying an osteochondroma: a noteworthy complication. Journal of Orthopaedics and Traumatology, 2010, 11, 251-255.	1.0	21
68	Surgical treatment of thoracic outlet syndrome in young adults: single centre experience with minimum three-year follow-up. International Orthopaedics, 2011, 35, 1179-1186.	0.9	21
69	Post-operative blood loss in total knee arthroplasty: knee flexion versus pharmacological techniques. Knee Surgery, Sports Traumatology, Arthroscopy, 2014, 22, 2756-2762.	2.3	21
70	The Application of Stem Cells from Different Tissues to Cartilage Repair. Stem Cells International, 2017, 2017, 1-14.	1.2	21
71	Inflammation Converts Human Mesoangioblasts Into Targets of Alloreactive Immune Responses: Implications for Allogeneic Cell Therapy of DMD. Molecular Therapy, 2014, 22, 1342-1352.	3.7	20
72	Thoracic Outlet Syndrome in the Overhead Athlete. Clinical Journal of Sport Medicine, 2017, 27, e29-e31.	0.9	20

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73	What Is the Impact of a Previous Femoral Osteotomy on THA? A Systematic Review. Clinical Orthopaedics and Related Research, 2019, 477, 1176-1187.	0.7	20
74	Ageâ€related modulation of angiogenesisâ€regulating factors in the swine meniscus. Journal of Cellular and Molecular Medicine, 2017, 21, 3066-3075.	1.6	19
75	Fabrication of multiâ€well chips for spheroid cultures and implantable constructs through rapid prototyping techniques. Biotechnology and Bioengineering, 2015, 112, 1457-1471.	1.7	17
76	Management of Osteoarthritis During the COVIDâ€19 Pandemic. Clinical Pharmacology and Therapeutics, 2020, 108, 719-729.	2.3	17
77	Histomorphometric Analysis of a Cell-Based Model of Cartilage Repair. Tissue Engineering, 2002, 8, 839-846.	4.9	16
78	Pulsed Electromagnetic Fields Improve Tenogenic Commitment of Umbilical Cord-Derived Mesenchymal Stem Cells: A Potential Strategy for Tendon Repairâ€"An In Vitro Study. Stem Cells International, 2018, 2018, 1-18.	1.2	16
79	Surgery or conservative management for Achilles tendon rupture?. BMJ: British Medical Journal, 2019, 364, k5344.	2.4	16
80	The use of electronic PROMs provides same outcomes as paper version in a spine surgery registry. Results from a prospective cohort study. European Spine Journal, 2021, 30, 2645-2653.	1.0	16
81	Producing a Flexible Tissue-Engineered Cartilage Framework Using Expanded Polytetrafluoroethylene Membrane as a Pseudoperichondrium. Plastic and Reconstructive Surgery, 2005, 116, 577-589.	0.7	15
82	Revision anterior cruciate ligament reconstruction with ipsi- or contralateral hamstring tendon grafts. European Journal of Orthopaedic Surgery and Traumatology, 2017, 27, 533-537.	0.6	15
83	Tissue-Engineered Cartilage Composite With Expanded Polytetrafluoroethylene Membrane. Annals of Plastic Surgery, 2001, 46, 527-532.	0.5	14
84	Engineering a Joint: A Chimeric Construct with Bovine Chondrocytes in a Devitalized Chick Knee. Tissue Engineering, 2003, 9, 949-956.	4.9	14
85	A tissue engineered osteochondral plug: an in vitro morphological evaluation. Knee Surgery, Sports Traumatology, Arthroscopy, 2007, 15, 1363-1369.	2.3	14
86	Direct superior approach versus posterolateral approach in total hip arthroplasty: a randomized controlled trial on early outcomes on gait, risk of fall, clinical and self-reported measurements. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 92, 274-279.	1.2	14
87	Mammary-type myofibroblastoma of popliteal fossa. Skeletal Radiology, 2008, 37, 549-553.	1.2	13
88	The presence of residents during orthopedic operation exerts no negative influence on outcome. British Medical Bulletin, 2019, 130, 65-80.	2.7	11
89	Current Surgical Options for Articular Cartilage Repair. Acta Neurochirurgica Supplementum, 2011, 108, 213-219.	0.5	11
90	Rationale and pre-clinical evidences for the use of autologous cartilage micrografts in cartilage repair. Journal of Orthopaedic Surgery and Research, 2018, 13, 279.	0.9	10

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91	Opportunities to improve feasibility, effectiveness and costs associated with a total joint replacements high-volume hospital registry. Computers in Biology and Medicine, 2020, 121, 103775.	3.9	10
92	Effect of blood on the morphological, biochemical and biomechanical properties of engineered cartilage. Knee Surgery, Sports Traumatology, Arthroscopy, 2007, 15, 1251-1257.	2.3	9
93	Hypoxia as a Stimulus for the Maturation of Meniscal Cells: Highway to Novel Tissue Engineering Strategies?. International Journal of Molecular Sciences, 2021, 22, 6905.	1.8	9
94	Development and biological validation of a cyclic stretch culture system for the ex vivo engineering of tendons. International Journal of Artificial Organs, 2018, 41, 400-412.	0.7	8
95	Does the Harvesting Site Influence the Osteogenic Potential of Mesenchymal Stem Cells?. Stem Cells International, 2019, 2019, 1-13.	1.2	8
96	Intraoperative Sensing Technology to Achieve Balance in Primary Total Knee Arthroplasty. JBJS Reviews, 2019, 7, e4-e4.	0.8	8
97	Remote Management of Patients after Total Joint Arthroplasty via a Web-Based Registry during the COVID-19 Pandemic. Healthcare (Switzerland), 2021, 9, 1296.	1.0	8
98	A future in our past: the umbilical cord for orthopaedic tissue engineering. Joints, 2014, 2, 20-5.	1.5	8
99	Stem Cells for Cartilage Regeneration: A Roadmap to the Clinic. Stem Cells International, 2018, 2018, 1-2.	1.2	7
100	Evaluation of in Vivo Response of Three Biphasic Scaffolds for Osteochondral Tissue Regeneration in a Sheep Model. Veterinary Sciences, 2019, 6, 90.	0.6	7
101	Fresh osteochondral allografts in the knee: only a salvage procedure?. Annals of Translational Medicine, 2015, 3, 164.	0.7	7
102	Predictors of postoperative hospital length of stay after total knee arthroplasty. Singapore Medical Journal, 2024, 65, 68-73.	0.3	7
103	Early Virtual-Reality-Based Home Rehabilitation after Total Hip Arthroplasty: A Randomized Controlled Trial. Journal of Clinical Medicine, 2022, 11, 1766.	1.0	7
104	Blood exposure has a negative effect on engineered cartilage. Knee Surgery, Sports Traumatology, Arthroscopy, 2011, 19, 1035-1042.	2.3	6
105	Intraoperative validation of bone cut accuracy of a pinless smart touchâ€screen navigation system device in total knee arthroplasty. International Journal of Medical Robotics and Computer Assisted Surgery, 2019, 15, e2030.	1.2	6
106	Evolution of Meniscal Biomechanical Properties with Growth: An Experimental and Numerical Study. Bioengineering, 2021, 8, 70.	1.6	6
107	Functional outcomes following contralateral hamstring tendon autografts with extra-articular tenodesis for ACL revision surgery. Journal of Sports Medicine and Physical Fitness, 2019, 59, 1897-1901.	0.4	6
108	Biomaterials and Meniscal Lesions: Current Concepts and Future Perspective. Pharmaceutics, 2021, 13, 1886.	2.0	6

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109	Testing Hypoxia in Pig Meniscal Culture: Biological Role of the Vascular-Related Factors in the Differentiation and Viability of Neonatal Meniscus. International Journal of Molecular Sciences, 2021, 22, 12465.	1.8	6
110	An in vitro tissue-engineered model for osteochondral repair. Sport Sciences for Health, 2006, 1, 153-157.	0.4	5
111	Meniscus Matrix Remodeling in Response to Compressive Forces in Dogs. Cells, 2020, 9, 265.	1.8	5
112	COVID-19 in Elderly Patients Surgically Treated for Lower Limbs Fracture. Journal of Clinical Medicine, 2022, 11, 168.	1.0	5
113	Bonding of meniscal tissue: a nude mouse repair model. Sport Sciences for Health, 2008, 3, 47-52.	0.4	4
114	Human Sarcopenic Myoblasts Can Be Rescued by Pharmacological Reactivation of HIF-1Î±. International Journal of Molecular Sciences, 2022, 23, 7114.	1.8	4
115	Development and Mechanical Characterization of a Collagen/Hydroxyapatite Bilayered Scaffold for Ostechondral Defect Replacement. Key Engineering Materials, 0, 493-494, 890-895.	0.4	3
116	Swine Meniscus: Are Femoral-Tibial Surfaces Properly Tuned to Bear the Forces Exerted on the Tissue?. Tissue Engineering - Part A, 2019, 25, 978-989.	1.6	3
117	Anterior cruciate ligament reconstruction combined to partial knee replacement in active patients with ACL deficiency and knee osteoarthritis. Physician and Sportsmedicine, 2021, 49, 12-17.	1.0	3
118	Perioperative adverse events in adult and pediatric spine surgery: A prospective cohort analysis of 364 consecutive patients. Brain and Spine, 2022, 2, 100858.	0.0	3
119	Meniscus Matrix Structural and Biomechanical Evaluation: Age-Dependent Properties in a Swine Model. Bioengineering, 2022, 9, 117.	1.6	3
120	Engineering a Biological Joint. Annals of the New York Academy of Sciences, 2002, 961, 123-125.	1.8	2
121	In vitro bonding of pre-seeded chondrocytes. Sport Sciences for Health, 2007, 2, 29-33.	0.4	2
122	Scaffolding as Treatment for Osteochondral Defects in the Ankle. , 2016, , 1003-1011.		2
123	Italian Translation, Adaptation, and Validation of the Novel Satisfaction Measure Assessment after Primary Total Joint Arthroplasty: The Goodman Score Questionnaire. Healthcare (Switzerland), 2022, 10, 769.	1.0	2
124	Extracorporeal shock wave treatment of humeral nonunion: a case report. Sport Sciences for Health, 2007, 2, 42-45.	0.4	1
125	Functional Morphology of Muscles and Tendons. , 2017, , 1-14.		1
126	Human Osteochondral Explants as an Ex Vivo Model of Osteoarthritis for the Assessment of a Novel Class of Orthobiologics. Pharmaceutics, 2022, 14, 1231.	2.0	1

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127	Analysis of bending behavior of native and engineered, auricular and costal cartilage. , 0, , .		0
128	Tissue Engineering for Meniscus Regeneration. , 2010, , .		0
129	Recent Advances in Cartilage Repair (ICL 3). , 2016, , 27-42.		0
130	Review of Injectable Cartilage Engineering Using Fibrin Gel in Mice and Swine Models. Tissue Engineering, 2006, .	4.9	0
131	Cartilage Lesions. , 2016, , 165-171.		0
132	Evolving Perspectives in Orthobiologic Approaches to Articular Cartilage Regeneration. , 2017, , 637-649.		0