

# Leo Massari

## List of Publications by Year in descending order

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113  
papers

3,076  
citations

172457

29  
h-index

189892

50  
g-index

123  
all docs

123  
docs citations

123  
times ranked

3328  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmacokinetics and efficacy of ropivacaine continuous wound instillation after joint replacement surgery – Declaration of interest. This work was supported by AstraZeneca, Basiglio, Milano, Italy. Presented in part at the Third European Congress of Orthopaedic Anaesthesia, 31 May–2 June 2001, London, UK.. British Journal of Anaesthesia, 2003, 91, 830-835.	3.4	171
2	Zirconium oxide coating improves implant osseointegration in vivo. Dental Materials, 2008, 24, 357-361.	3.5	155
3	The Pharmacokinetics and Efficacy of Ropivacaine Continuous Wound Instillation After Spine Fusion Surgery. Anesthesia and Analgesia, 2004, 98, 166-172.	2.2	152
4	Effects of Electromagnetic Fields on Proteoglycan Metabolism of Bovine Articular Cartilage Explants. Connective Tissue Research, 2003, 44, 154-159.	2.3	116
5	Translocation of Akt/PKB to the nucleus of osteoblast-like MC3T3-E1 cells exposed to proliferative growth factors. FEBS Letters, 2000, 477, 27-32.	2.8	98
6	Biophysical stimulation of bone and cartilage: state of the art and future perspectives. International Orthopaedics, 2019, 43, 539-551.	1.9	87
7	Biophysical Stimulation with Pulsed Electromagnetic Fields in Osteonecrosis of the Femoral Head. Journal of Bone and Joint Surgery - Series A, 2006, 88, 56-60.	3.0	86
8	Electromagnetic fields (EMFs) and adenosine receptors modulate prostaglandin E <sub>2</sub> and cytokine release in human osteoarthritic synovial fibroblasts. Journal of Cellular Physiology, 2012, 227, 2461-2469.	4.1	85
9	Oxidative Stress and Bone Resorption Interplay as a Possible Trigger for Postmenopausal Osteoporosis. BioMed Research International, 2014, 2014, 1-8.	1.9	80
10	Bone mass density selectively correlates with serum markers of oxidative damage in post-menopausal women. Clinical Chemistry and Laboratory Medicine, 2013, 51, 333-338.	2.3	76
11	Effects of physical stimulation with electromagnetic field and insulin growth factor-I treatment on proteoglycan synthesis of bovine articular cartilage. Osteoarthritis and Cartilage, 2004, 12, 793-800.	1.3	75
12	Chondroprotective effects of pulsed electromagnetic fields on human cartilage explants. Bioelectromagnetics, 2011, 32, 543-551.	1.6	69
13	Notch pathway is active during osteogenic differentiation of human bone marrow mesenchymal stem cells induced by pulsed electromagnetic fields. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 304-315.	2.7	69
14	A six-year retrospective analysis of cut-out risk predictors in cephalomedullary nailing for pertrochanteric fractures. Bone and Joint Research, 2017, 6, 481-488.	3.6	65
15	Expression and functional role of adenosine receptors in regulating inflammatory responses in human synoviocytes. British Journal of Pharmacology, 2010, 160, 101-115.	5.4	63
16	High doses of glucosamine-HCl have detrimental effects on bovine articular cartilage explants cultured in vitro. Osteoarthritis and Cartilage, 2002, 10, 816-825.	1.3	59
17	The Electrical Stimulation of Tibial Osteotomies Double-Blind Study. Clinical Orthopaedics and Related Research, 1993, &NA;, 246-253.	1.5	58
18	Osteomyelitis: clinical update for practical guidelines. Nuclear Medicine Communications, 2006, 27, 645-660.	1.1	52

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19	Functional Tissue Engineering in Articular Cartilage Repair: Is There a Role for Electromagnetic Biophysical Stimulation?. <i>Tissue Engineering - Part B: Reviews</i> , 2013, 19, 353-367.	4.8	51
20	Effects of biophysical stimulation in patients undergoing arthroscopic reconstruction of anterior cruciate ligament: prospective, randomized and double blind study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2008, 16, 595-601.	4.2	50
21	Unicondylar femoral fractures: therapeutic strategy and long-term results. A review of 23 patients. <i>Acta Orthopaedica Belgica</i> , 2001, 67, 132-8.	0.4	50
22	Anatase Coating Improves Implant Osseointegration In Vivo. <i>Journal of Craniofacial Surgery</i> , 2007, 18, 806-810.	0.7	48
23	Experimental and theoretical study of electrode effects in HfO <sub>2</sub> based RRAM. , 2011, , .		44
24	Effects of electromagnetic fields on proteoglycan metabolism of bovine articular cartilage explants. <i>Connective Tissue Research</i> , 2003, 44, 154-9.	2.3	44
25	Phosphatidylinositol 3-Kinase Translocates to the Nucleus of Osteoblast-Like MC3T3-E1 Cells in Response to Insulin-Like Growth Factor I and Platelet-Derived Growth Factor But Not to the Proapoptotic Cytokine Tumor Necrosis Factor $\alpha$ . <i>Journal of Bone and Mineral Research</i> , 2000, 15, 1716-1730.	2.8	42
26	Risk factors for development of atypical femoral fractures in patients on long-term oral bisphosphonate therapy. <i>Bone</i> , 2013, 56, 426-431.	2.9	42
27	Effects of Pulsed Electromagnetic Fields on Human Osteoblastlike Cells (MG-63): A Pilot Study. <i>Clinical Orthopaedics and Related Research</i> , 2010, 468, 2260-2277.	1.5	41
28	Responses of human MG-63 osteosarcoma cell line and human osteoblast-like cells to pulsed electromagnetic fields. <i>Bioelectromagnetics</i> , 1997, 18, 541-547.	1.6	39
29	Characterization of Notch Signaling During Osteogenic Differentiation in Human Osteosarcoma Cell Line MG63. <i>Journal of Cellular Physiology</i> , 2016, 231, 2652-2663.	4.1	33
30	Genetic effect of anatase on osteoblast-like cells. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 85B, 29-36.	3.4	31
31	Early Clinical Results of the BOX Ankle Replacement Are Satisfactory: A Multicenter Feasibility Study of 158 Ankles. <i>Journal of Foot and Ankle Surgery</i> , 2011, 50, 641-647.	1.0	29
32	Association between circulatory levels of adipokines and bone mineral density in postmenopausal women. <i>Menopause</i> , 2016, 23, 984-992.	2.0	29
33	Management of pediatric forearm fractures: what is the best therapeutic choice? A narrative review of the literature. <i>Musculoskeletal Surgery</i> , 2021, 105, 225-234.	1.5	29
34	Genetic effect of zirconium oxide coating on osteoblast-like cells. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 84B, 550-558.	3.4	28
35	Tri-length laser therapy associated to tecar therapy in the treatment of low-back pain in adults: a preliminary report of a prospective case series. <i>Lasers in Medical Science</i> , 2015, 30, 407-412.	2.1	28
36	Decreased Periprosthetic Bone Loss in Patients Treated with Clodronate: A 1-Year Randomized Controlled Study. <i>Calcified Tissue International</i> , 2010, 86, 436-446.	3.1	26

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37	Paraoxonase, arylesterase and lactonase activities of paraoxonase-1 (PON1) in obese and severely obese women. Scandinavian Journal of Clinical and Laboratory Investigation, 2018, 78, 18-24.	1.2	25
38	Unilateral Blindness as a Complication of Intraoperative Positioning for Cervical Spinal Surgery. Journal of Spinal Disorders, 2000, 13, 271-272.	1.1	24
39	Effects of Electrical Physical Stimuli on Articular Cartilage. Journal of Bone and Joint Surgery - Series A, 2007, 89, 152-161.	3.0	24
40	Pulsed Electromagnetic Field Stimulation of Bone Healing and Joint Preservation: Cellular Mechanisms of Skeletal Response. Journal of the American Academy of Orthopaedic Surgeons Global Research and Reviews, 2020, 4, e19.00155.	0.7	24
41	Periacetabular Bone Densitometry after Total Hip Arthroplasty with Highly Porous Titanium Cups: A 2-Year Follow-Up Prospective Study. HIP International, 2017, 27, 551-557.	1.7	23
42	Medea: a tool for workload characterization of parallel systems. IEEE Parallel and Distributed Technology, 1995, 3, 72-80.	0.6	22
43	Assessment of Fracture Risk in A Population of Postmenopausal Italian Women: A Comparison of Two Different Tools. Calcified Tissue International, 2015, 97, 50-57.	3.1	21
44	Apoptosis and rotator cuff tears: scientific evidence from basic science to clinical findings. British Medical Bulletin, 2017, 122, 123-133.	6.9	21
45	Pulsed electromagnetic fields and low intensity pulsed ultrasound in bone tissue. Clinical Cases in Mineral and Bone Metabolism, 2009, 6, 149-54.	1.0	21
46	Anatase Nanosurface Regulates MicroRNAs. Journal of Craniofacial Surgery, 2008, 19, 328-333.	0.7	20
47	Clinical evidence in the treatment of rotator cuff tears with hyaluronic acid. Muscles, Ligaments and Tendons Journal, 2015, 5, 270-5.	0.3	20
48	Fracture risk assessment in postmenopausal women with diabetes: comparison between DeFRA and FRAX tools. Gynecological Endocrinology, 2018, 34, 404-408.	1.7	20
49	The electrical stimulation of tibial osteotomies. Double-blind study. Clinical Orthopaedics and Related Research, 1993, , 246-53.	1.5	20
50	Operating procedures for electrochemotherapy in bone metastases: Results from a multicenter prospective study on 102 patients. European Journal of Surgical Oncology, 2021, 47, 2609-2617.	1.0	19
51	Electrical Stimulation of Tibial Osteotomies: A Double Blind Study. , 1999, , 137-138.		19
52	Biophysical stimulation in osteonecrosis of the femoral head. Indian Journal of Orthopaedics, 2009, 43, 17.	1.1	19
53	Below-elbow or above-elbow cast for conservative treatment of extra-articular distal radius fractures with dorsal displacement: a prospective randomized trial. Journal of Orthopaedic Surgery and Research, 2019, 14, 477.	2.3	18
54	Human leukocyte antigen-G molecules are constitutively expressed by synovial fibroblasts and upmodulated in osteoarthritis. Human Immunology, 2010, 71, 342-350.	2.4	17

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55	Metabolic transitions at menopause: In post-menopausal women the increase in serum uric acid correlates with abdominal adiposity as assessed by DXA. <i>Maturitas</i> , 2013, 75, 62-66.	2.4	17
56	Subcoracoid impingement and subscapularis tendon: is there any truth?. <i>Muscles, Ligaments and Tendons Journal</i> , 2013, 3, 101-5.	0.3	17
57	Transtendon repair in partial articular supraspinatus tendon tear. <i>British Medical Bulletin</i> , 2017, 123, 19-34.	6.9	17
58	Effects of Low-Frequency Pulsed Electromagnetic Fields on Human Osteoblast-Like Cells In Vitro. <i>Electromagnetic Biology and Medicine</i> , 1996, 15, 75-83.	0.4	16
59	Surgeon-patient barrier efficiency monitored with an electronic device in three surgical settings. <i>World Journal of Surgery</i> , 2001, 25, 1101-1108.	1.6	16
60	Atypical Medial Dislocation of the First Metatarsophalangeal Joint. <i>Foot and Ankle International</i> , 1998, 19, 624-626.	2.3	15
61	P2X <sub>1</sub> and P2X <sub>3</sub> ; Purinergic Receptors Differentially Modulate the Inflammatory Response in Human Osteoarthritic Synovial Fibroblasts. <i>Cellular Physiology and Biochemistry</i> , 2010, 25, 325-336.	1.6	15
62	Preoperative Planning for ACL Revision Surgery. <i>Sports Medicine and Arthroscopy Review</i> , 2017, 25, 19-29.	2.3	15
63	Surgical treatment of periprosthetic femoral fractures: a retrospective study with functional and radiological outcomes from 2010 to 2016. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2018, 28, 931-938.	1.4	15
64	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
65	Higher Urinary Levels of 8-Hydroxy-2'-deoxyguanosine Are Associated with a Worse RANKL/OPG Ratio in Postmenopausal Women with Osteopenia. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-8.	4.0	14
66	EBM in musculoskeletal diseases: where are we?. <i>Acta Orthopaedica</i> , 2002, 73, 4-7.	1.4	12
67	Minimally invasive fixation techniques for thoracolumbar fractures: comparison between percutaneous pedicle screw with intermediate screw (PPSIS) and percutaneous pedicle screw with kyphoplasty (PPSK). <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2018, 28, 849-858.	1.4	12
68	Can a combination of different risk factors be correlated with leg fracture healing time?. <i>Journal of Orthopaedics and Traumatology</i> , 2013, 14, 51-57.	2.3	11
69	Waist circumference and dual-energy X-ray absorptiometry measures of overall and central obesity are similarly associated with systemic oxidative stress in women. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2014, 74, 102-107.	1.2	11
70	Arthrography of the plica syndrome and its significance. <i>European Journal of Radiology</i> , 1990, 11, 15-18.	2.6	10
71	Oxidative stress and menopause-related hot flashes may be independent events. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2015, 54, 290-293.	1.3	10
72	Effects of Electrical Physical Stimuli on Articular Cartilage. <i>Journal of Bone and Joint Surgery - Series A</i> , 2007, 89, 152-161.	3.0	9

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73	A new technique for treatment of calcaneal fractures with a multihole plate: indications and results. <i>Foot and Ankle Surgery</i> , 1999, 5, 39-45.	1.7	8
74	Intraosseous Glomus Tumor of the Ankle: A Case Report and Review of the Literature. <i>Foot and Ankle International</i> , 2006, 27, 1148-1151.	2.3	8
75	Arthroscopic-assisted latissimus dorsi transfer for massive rotator cuff tear: a systematic review. <i>British Medical Bulletin</i> , 2018, 128, 23-35.	6.9	8
76	Diagnosis and treatment of melanoma bone metastasis: A multidisciplinary approach. <i>Dermatologic Therapy</i> , 2020, 33, e14193.	1.7	8
77	New tip-apex distance and calcar-referenced tip-apex distance cut-offs may be the best predictors for cut-out risk after intramedullary fixation of proximal femur fractures. <i>Scientific Reports</i> , 2022, 12, 357.	3.3	8
78	Accumulation of central fat correlates with an adverse oxidative balance in non-obese postmenopausal women. <i>Gynecological Endocrinology</i> , 2013, 29, 1063-1066.	1.7	7
79	Can TAD and CalTAD predict cut-out after extra-medullary fixation with new generation devices of proximal femoral fractures? A retrospective study. <i>Journal of Clinical Orthopaedics and Trauma</i> , 2017, 8, 68-72.	1.5	7
80	Influence of sex and gender on the management of late-stage knee osteoarthritis. <i>Musculoskeletal Surgery</i> , 2022, 106, 457-467.	1.5	7
81	Osteoid osteoma at the base of the second metatarsal bone: case report. <i>Foot and Ankle Surgery</i> , 1998, 4, 83-86.	1.7	6
82	The "Chauffeur Fracture": Historical Origins of an Often-Forgotten Eponym. <i>Hand</i> , 2020, 15, 252-254.	1.2	6
83	Does Capacitively Coupled Electric Fields Stimulation Improve Clinical Outcomes After Instrumented Spinal Fusion? A Multicentered Randomized, Prospective, Double-Blind, Placebo-Controlled Trial. <i>International Journal of Spine Surgery</i> , 2020, 14, 936-943.	1.5	6
84	Tibiototalcaneal arthrodesis by retrograde intramedullary nailing as a "salvage procedure": clinical, radiographic and baropodometric evaluation of three cases. <i>Foot and Ankle Surgery</i> , 2002, 8, 3-12.	1.7	5
85	Arthroscopically-assisted reduction and pinning of a radial neck fracture in a child: a case report and review of the literature. <i>Journal of Medical Case Reports</i> , 2020, 14, 78.	0.8	5
86	Validation of the cross-cultural adapted Italian version of the Oxford Elbow Score. <i>JSES International</i> , 2021, 5, 328-333.	1.6	5
87	Effects of Electromagnetic Fields on Proteoglycan Metabolism of Bovine Articular Cartilage Explants. <i>Connective Tissue Research</i> , 2003, 44, 154-159.	2.3	4
88	Biceps instability and Slap type II tear in overhead athletes. <i>Muscles, Ligaments and Tendons Journal</i> , 2012, 2, 258-66.	0.3	4
89	Diagnosis and treatment of popliteal cysts. <i>La Chirurgia Degli Organi Di Movimento</i> , 1990, 75, 245-52.	0.2	4
90	A rare case of solitary exostosis of the cervical spine. <i>Italian Journal of Orthopaedics and Traumatology</i> , 1988, 14, 385-7.	0.0	4

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91	Biophysical stimulation and the periprosthetic bone: is there a rationale in the use of Pulsed Electromagnetic Fields after a hip or knee implant?. <i>Journal of Biological Regulators and Homeostatic Agents</i> , 2015, 29, 1013-5.	0.7	4
92	VDR, RANKL and OPG polymorphisms as possible predisposing cofactors of postmenopausal osteoporosis: explorative study in Italian population. <i>Gynecological Endocrinology</i> , 2017, 33, 937-941.	1.7	3
93	Percutaneous fixation and balloon kyphoplasty for the treatment of A3 thoracolumbar fractures. <i>Journal of Clinical Orthopaedics and Trauma</i> , 2019, 10, S163-S167.	1.5	3
94	Atypical periprosthetic femur fracture on an underestimated atypical femoral pattern. A case report. <i>Trauma Case Reports</i> , 2021, 32, 100407.	0.4	3
95	Impact of Covid-19 on surgical activities and personnel: lessons for the future. <i>Minerva Surgery</i> , 2021, , .	0.6	3
96	Periprosthetic bone density in uncemented femoral hip implants with proximal hydroxylapatite coating. <i>Bulletin of the Hospital for Joint Diseases</i> , 1996, 54, 206-10.	0.3	3
97	Spinal Deformities in Romantic Operas. <i>Spine</i> , 2018, 43, 1617-1618.	2.0	2
98	Responses of Human MG-63 Osteosarcoma Cell Line and Human Osteoblast-Like Cells to Pulsed Electromagnetic Fields. , 1999, , 453-456.		2
99	BIOPHYSICAL STIMULATION WITH PULSED ELECTROMAGNETIC FIELDS IN OSTEONECROSIS OF THE FEMORAL HEAD. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 56-60.	3.0	2
100	Clinical and ultrasound follow-up of 62 patients submitted to the surgical treatment of subcutaneous rupture of the Achilles tendon. <i>La Chirurgia Degli Organi Di Movimento</i> , 1994, 79, 213-8.	0.2	2
101	The surgical treatment of intra-articular fractures of the calcaneus using a new multiple-hole Tra.Ma plate. The long-term results in relation to gait analysis. <i>La Chirurgia Degli Organi Di Movimento</i> , 2002, 87, 179-88.	0.2	2
102	Diagnosis of bone infections using <sup>99m</sup> Tc-HMPAO labelled leukocytes. <i>Nuclear Medicine Communications</i> , 2002, 23, 1245-1251.	1.1	1
103	Effects of Pulsed Electromagnetic Fields After Debridement and Microfracture of Osteochondral Talar Defects: Letter to the Editor. <i>American Journal of Sports Medicine</i> , 2016, 44, NP60-NP61.	4.2	1
104	Algorithm for employing physical forces in metabolic bone diseases. <i>Aging Clinical and Experimental Research</i> , 2011, 23, 52-3.	2.9	1
105	Hip Replacement after Proximal Femur Failed Osteosynthesis: our experience.. <i>Acta Biomedica</i> , 2022, 93, e2022028.	0.3	1
106	Performance evaluation of supercomputers. , 0, , .		0
107	Fractures of the Femoral Head. <i>HIP International</i> , 1996, 6, 159-165.	1.7	0
108	003. Effectiveness and safety of perioperative ketamine on postoperative pain after elective total hip arthroplasty under spinal anesthesia: Preliminary results. <i>European Journal of Pain Supplements</i> , 2011, 5, 508-508.	0.0	0

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109	Biophysical Stimulation with Pulsed Electromagnetic Fields in Avascular Necrosis of the Femur Head. , 2004, , 33-44.		0
110	Effects of PEMFs on Patientsâ€™ Recovery after Reconstruction with Use of Double-looped Semitendinosus and Gracilis Tendon Grafts: a Multicenter, Prospective, Randomized and Double-blind Study. MCB Molecular and Cellular Biomechanics, 2006, 3, 239-240.	0.7	0
111	Relationship between femoral neck fractures and osteoporosis in the elderly: densitometric analysis. Italian Journal of Orthopaedics and Traumatology, 1992, 18, 87-94.	0.0	0
112	Fractures of the posterior apophyseal ring of the lumbar vertebral body in young patients. Three cases. La Chirurgia Degli Organi Di Movimento, 1990, 75, 129-33.	0.2	0
113	Consideration on disadvantages and problems of resurfacing. , 0, , 45-46.		0