Antonio Merolli

List of Publications by Year in Descending Order

43 papers	431 citations	13 h-index	19 g-index
45 ext. papers	475 ext. citations	3·4 avg, IF	3·43 L-index

#	Paper	IF	Citations
43	A sciatic nerve gap-injury model in the rabbit.. *Journal of Materials Science: Materials in Medicine*, **2022**, 33, 14	4.5	2
42	An intra-cytoplasmic route for SARS-CoV-2 transmission unveiled by Helium-ion microscopy.. *Scientific Reports*, **2022**, 12, 3794	4.9	3
41	Hoechst 33342 as a marker for imaging neurites of Dorsal Root Ganglion in vitro. *Journal of Anatomy*, **2021**,	2.9	1
40	Bone repair biomaterials in orthopedic surgery **2019**, 301-327		5
39	A method to deliver patterned electrical impulses to Schwann cells cultured on an artificial axon. *Neural Regeneration Research*, **2019**, 14, 1052-1059	4.5	3
38	Open Surgery for Trigger Finger Required Combined a1-a2 Pulley Release. A Retrospective Study on 1305 Case. *Techniques in Hand and Upper Extremity Surgery*, **2019**, 23, 115-121	0.5	3
37	Reciprocal nerve staining (RNS) for the concurrent detection of choline acetyltransferase and myelin basic protein on paraffin-embedded sections. *Journal of Neuroscience Methods*, **2019**, 311, 235-238	3	3
36	Development of a Device-Assisted Nerve-Regeneration Procedure in Disruptive Lesions of the Brachial Plexus. *Journal of Reconstructive Microsurgery*, **2018**, 34, 389-398	2.5	
35	A suspended carbon fiber culture to model myelination by human Schwann cells. *Journal of Materials Science: Materials in Medicine*, **2017**, 28, 57	4.5	6
34	Fibrin glue as a stabilization strategy in peripheral nerve repair when using porous nerve guidance conduits. *Journal of Materials Science: Materials in Medicine*, **2017**, 28, 79	4.5	24
33	Trapeziometacarpal joint osteoarthritis: a prospective trial on two widespread conservative therapies. *Muscles, Ligaments and Tendons Journal*, **2017**, 7, 603-610	1.9	4
32	Debris of carbon-fibers originated from a CFRP (pEEK) wrist-plate triggered a destruent synovitis in human. *Journal of Materials Science: Materials in Medicine*, **2016**, 27, 50	4.5	8
31	Modelling Peripheral Nerve from Studies on "The Bands of Fontana" and on "Artificial Nerve-Guides" Suggests a New Recovery Mechanism Which Can Concur with Brain Plasticity. *American Journal of Neuroprotection and Neuroregeneration*, **2016**, 8, 45-53		2
30	Peripheral nerve regeneration inside collagen-based artificial nerve guides in humans. *Journal of Applied Biomaterials and Functional Materials*, **2015**, 13, 61-5	1.8	4
29	A discussion on the limits of carbon-fibres reinforced polymers prompted by a case of destruent synovitis in the wrist. *Injury*, **2015**, 46, 770-1	2.5	2
28	Nerve-conduits or nerve-guides? When terminology matters. *Injury*, **2013**, 44, 878-9	2.5	4
27	Can we regrow a human arm? A negative perspective from an upper-limb surgeon. *Journal of Materials Science: Materials in Medicine*, **2013**, 24, 2635-8	4.5	1

26	Directing neural stem cell fate with biomaterial parameters for injured brain regeneration. *Progress in Natural Science: Materials International*, **2013**, 23, 103-112	3.6	30
25	Persistence of abnormal electrophysiological findings after carpal tunnel release. *Journal of Reconstructive Microsurgery*, **2013**, 29, 511-6	2.5	17
24	A more detailed mechanism to explain the "bands of Fontana" in peripheral nerves. *Muscle and Nerve*, **2012**, 46, 540-7	3.4	17
23	Combining an external fixator and an artificial nerve-guide for the treatment of a complex digital injury. *Journal of Hand and Microsurgery*, **2011**, 3, 34-7	0.5	
22	Abductor pollicis longus hemitendon looping around the first intermetacarpal ligament as interposition following trapeziectomy: a one-year follow-up study. *Orthopaedics and Traumatology: Surgery and Research*, **2011**, 97, 726-33	2.9	11
21	Distal radius fractures: treatment using the Epibloc system. *Revue De Chirurgie Orthopedique Et Traumatologique*, **2010**, 96, 185-9	0	
20	Distal radius fractures: Treatment using the Epibloc system. *Orthopaedics and Traumatology: Surgery and Research*, **2010**, 96, 185-189	2.9	2
19	A degradable soybean-based biomaterial used effectively as a bone filler in vivo in a rabbit. *Biomedical Materials (Bristol)*, **2010**, 5, 15008	3.5	33
18	In vivo study of ethyl-2-cyanoacrylate applied in direct contact with nerves regenerating in a novel nerve-guide. *Journal of Materials Science: Materials in Medicine*, **2010**, 21, 1979-87	4.5	6
17	Role of phosphatidyl-serine in bone repair and its technological exploitation. *Molecules*, **2009**, 14, 5367-84	4.8	41
16	Ulnar nerve regeneration in a 70-year-old patient assessed upon revision of a degradable nerve guide after 9 months. *Journal of Reconstructive Microsurgery*, **2009**, 25, 279-81	2.5	3
15	In vivo regeneration of rat sciatic nerve in a double-halved stitch-less guide: a pilot-study. *Microsurgery*, **2009**, 29, 310-8	2.1	20
14	Bone repair biomaterials **2009**,		16
13	Flexor tendon injuries of the hand treated with TenoFix: mid-term results. *Journal of Orthopaedics and Traumatology*, **2008**, 9, 201-8	5	12
12	Spontaneous gait recovery after sciatic nerve transection impairs the non-invasive evaluation of artificial nerve guides in rats. *Journal of Applied Biomaterials and Biomechanics*, **2008**, 6, 157-62		2
11	In vivo assessment of the osteointegrative potential of phosphatidylserine-based coatings. *Journal of Materials Science: Materials in Medicine*, **2006**, 17, 789-94	4.5	19
10	Severe radius shortening and deformity secondary to epiphyseal arrest corrected by Ilizarov fixator: a case report. *Journal of Orthopaedics and Traumatology*, **2005**, 6, 158-160	5	
9	Backscattered electron microscopy evidences tight apposition between bone and bioactive glass coating in vivo. *Journal of Orthopaedics and Traumatology*, **2005**, 6, 179-182	5	1

8	Histomorphological study of bone response to hydroxyapatite coating on stainless steel. *Journal of Materials Science: Materials in Medicine*, **2003**, 14, 327-33	4.5	16
7	Bone response to polymers based on poly-lactic acid and having different degradation times. *Journal of Materials Science: Materials in Medicine*, **2001**, 12, 775-8	4.5	10
6	Energy dispersive analysis (EDX) of a degradable bioactive-glass coating on Ti6Al4V in-vivo. *Journal of Materials Science: Materials in Medicine*, **2001**, 12, 727-30	4.5	1
5	Comparison in in-vivo response between a bioactive glass and a non-bioactive glass. *Journal of Materials Science: Materials in Medicine*, **2000**, 11, 219-22	4.5	30
4	A back-scattered electron microscopy (BSEM) study of the tight apposition between bone and hydroxyapatite coating. *Journal of Orthopaedics and Traumatology*, **2000**, 1, 11-16	5	4
3	Response to polyetherimide based composite materials implanted in muscle and in bone. *Journal of Materials Science: Materials in Medicine*, **1999**, 10, 265-8	4.5	26
2	Evaluation of different preparations of plasma-spray hydroxyapatite coating on titanium alloy and duplex stainless steel in the rabbit. *Journal of Materials Science: Materials in Medicine*, **1994**, 5, 345-349	4.5	38
1	Hard Tissue Structure and Functionality81-94		1