

Mark Pitkin

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

401
citations

949033

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all docs

33
docs citations

33
times ranked

293
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporary Botulinum Immobilization of Residuuum Muscles for Facilitation of the Initial Ingrowth of Skin to the Porous Skin and Bone Integrated Pylon in the Technology of Direct Skeletal Attachment: Large Animal Model. <i>Frontiers in Rehabilitation Sciences</i> , 2022, 3, .	0.5	0
2	Protecting the skin-implant interface with transcutaneous silver-coated skin-and-bone-integrated pylon in pig and rabbit dorsum models. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 584-595.	1.6	8
3	Loading Effect of Prosthetic Feet™s Anthropomorphicity on Transtibial Osseointegrated Implant. <i>Military Medicine</i> , 2021, 186, 681-687.	0.4	5
4	Recent Progress in Animal Studies of the Skin- and Bone-integrated Pylon With Deep Porosity for Bone-Anchored Limb Prosthetics With and Without Neural Interface. <i>Military Medicine</i> , 2021, 186, 688-695.	0.4	4
5	New Training System Based on the Discovery of Subperiosteal Transmission of Pressures Between Joint Capsules. <i>Military Medicine</i> , 2021, 186, 814-819.	0.4	2
6	Loading Applied on Osseointegrated Implant by Transtibial Bone-Anchored Prostheses During Daily Activities: Preliminary Characterization of Prosthetic Feet. <i>Journal of Prosthetics and Orthotics</i> , 2020, 32, 258-271.	0.2	7
7	Inter-participant variability data in loading applied on osseointegrated implant by transtibial bone-anchored prostheses during daily activities. <i>Data in Brief</i> , 2019, 26, 104510.	0.5	4
8	Inter-participant variability data in characterization of anthropomorphicity of prosthetic feet fitted to bone-anchored transtibial prosthesis. <i>Data in Brief</i> , 2019, 25, 104195.	0.5	5
9	Automated Characterization of Anthropomorphicity of Prosthetic Feet Fitted to Bone-Anchored Transtibial Prosthesis. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 3402-3410.	2.5	17
10	Evaluation of the temporary effect of physical vapor deposition silver coating on resistance to infection in transdermal skin and bone integrated pylon with deep porosity. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 169-177.	1.6	13
11	Kinetics of individual limbs during level and slope walking with a unilateral transtibial bone-anchored prosthesis in the cat. <i>Journal of Biomechanics</i> , 2018, 76, 74-83.	0.9	12
12	Distraction Implantation. A New Technique in Total Joint Arthroplasty and Direct Skeletal Attachment. , 2018, 9, 285-292.		0
13	Subperiosteal Transmission Of Intra-Articular Pressure Between Articulated And Stationary Joints. <i>Scientific Reports</i> , 2015, 5, 8103.	1.6	6
14	Application of the skin and bone integrated pylon with titanium oxide nanotubes and seeded with dermal fibroblasts. <i>Prosthetics and Orthotics International</i> , 2015, 39, 477-486.	0.5	9
15	Two-stage implantation of the skin-and bone-integrated pylon seeded with autologous fibroblasts induced into osteoblast differentiation for direct skeletal attachment of limb prostheses. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3033-3048.	2.1	13
16	Effects of pore size, implantation time, and nano-surface properties on rat skin ingrowth into percutaneous porous titanium implants. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 1305-1315.	2.1	34
17	An animal model to evaluate skin-implant-bone integration and gait with a prosthesis directly attached to the residual limb. <i>Clinical Biomechanics</i> , 2014, 29, 336-349.	0.5	20
18	New method of fixation of in-bone implanted prosthesis. <i>Journal of Rehabilitation Research and Development</i> , 2013, 50, 709.	1.6	10

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19	Design features of implants for direct skeletal attachment of limb prostheses. Journal of Biomedical Materials Research - Part A, 2013, 101, 3339-3348.	2.1	44
20	Mechanical properties of totally permeable titanium composite pylon for direct skeletal attachment. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 993-999.	1.6	14
21	Recording of Electric Signal Passing Through a Pylon in Direct Skeletal Attachment of Leg Prostheses With Neuromuscular Control. IEEE Transactions on Biomedical Engineering, 2012, 59, 1349-1353.	2.5	18
22	OSSEOINTEGRATION IN RECONSTRUCTIVE SURGERY: CONTEMPORARY STATE AND PERSPECTIVES OF FURHTHER DEVELOPMENT (REVIEW). Travmatologiya i Ortopediya Rossii, 2012, , 126-134.	0.1	1
23	On the way to total integration of prosthetic pylon with residuum. Journal of Rehabilitation Research and Development, 2009, 46, 345.	1.6	30
24	Mathematical modeling and mechanical and histopathological testing of porous prosthetic pylon for direct skeletal attachment. Journal of Rehabilitation Research and Development, 2009, 46, 315.	1.6	19
25	Principle of Spectral Reciprocity in Biomechanics of Locomotion and Rehabilitation. The Open Rehabilitation Journal, 2008, 1, 1-4.	0.8	2
26	One lesson from arthroplasty to osseointegration in search for better fixation of in-bone implanted prosthesis. Journal of Rehabilitation Research and Development, 2008, 45, vii-xiv.	1.6	10
27	Porous composite prosthetic pylon for integration with skin and bone. Journal of Rehabilitation Research and Development, 2007, 44, 723.	1.6	27
28	Chapter 6 Rehabilitation After Landmine Injury. Pain Medicine, 2006, 7, S218-S221.	0.9	2
29	Skin and bone integrated prosthetic pylon: A pilot animal study. Journal of Rehabilitation Research and Development, 2006, 43, 573.	1.6	30
30	Comparative Assessment of Dynamic Rotational Stiffness of Common and Prototype Foot/Ankle Prosthesis During Simulated Stance. , 1998, , .		0