

Eileen Ingham

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137
papers

7,399
citations

48
h-index

83
g-index

144
ext. papers

8,006
ext. citations

5.3
avg, IF

5.7
L-index

#	Paper	IF	Citations
137	The role of macrophages in osteolysis of total joint replacement. <i>Biomaterials</i> , 2005 , 26, 1271-86	15.6	529
136	Nanoparticles can cause DNA damage across a cellular barrier. <i>Nature Nanotechnology</i> , 2009 , 4, 876-83	28.7	303
135	PerR controls oxidative stress resistance and iron storage proteins and is required for virulence in <i>Staphylococcus aureus</i> . <i>Infection and Immunity</i> , 2001 , 69, 3744-54	3.7	269
134	Effect of size and dose on bone resorption activity of macrophages by in vitro clinically relevant ultra high molecular weight polyethylene particles. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 53, 490-7		248
133	In <i>Staphylococcus aureus</i> , fur is an interactive regulator with PerR, contributes to virulence, and is necessary for oxidative stress resistance through positive regulation of catalase and iron homeostasis. <i>Journal of Bacteriology</i> , 2001 , 183, 468-75	3.5	223
132	Production of self-assembling biomaterials for tissue engineering. <i>Trends in Biotechnology</i> , 2009 , 27, 423-33	15.1	188
131	Production of an acellular amniotic membrane matrix for use in tissue engineering. <i>Tissue Engineering</i> , 2006 , 12, 2117-29		183
130	Tribology of alternative bearings. <i>Clinical Orthopaedics and Related Research</i> , 2006 , 453, 25-34	2.2	165
129	Evaluation of the response of primary human peripheral blood mononuclear phagocytes to challenge with in vitro generated clinically relevant UHMWPE particles of known size and dose. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 52, 296-307		164
128	Development and characterisation of a full-thickness acellular porcine bladder matrix for tissue engineering. <i>Biomaterials</i> , 2007 , 28, 1061-70	15.6	158
127	Role and regulation of the superoxide dismutases of <i>Staphylococcus aureus</i> . <i>Microbiology (United Kingdom)</i> , 2003 , 149, 2749-2758	2.9	156
126	High cup angle and microseparation increase the wear of hip surface replacements. <i>Clinical Orthopaedics and Related Research</i> , 2009 , 467, 2259-65	2.2	154
125	The influence of molecular weight, crosslinking and counterface roughness on TNF-alpha production by macrophages in response to ultra high molecular weight polyethylene particles. <i>Biomaterials</i> , 2004 , 25, 3511-22	15.6	145
124	Tissue engineering of cardiac valve prostheses I: development and histological characterization of an acellular porcine scaffold. <i>Journal of Heart Valve Disease</i> , 2002 , 11, 457-62		144
123	Biotribology of articular cartilage--a review of the recent advances. <i>Medical Engineering and Physics</i> , 2008 , 30, 1349-63	2.4	139
122	Wear, debris, and biologic activity of cross-linked polyethylene in the knee: benefits and potential concerns. <i>Clinical Orthopaedics and Related Research</i> , 2004 , 114-9	2.2	136
121	Development and characterization of an acellular porcine medial meniscus for use in tissue engineering. <i>Tissue Engineering - Part A</i> , 2008 , 14, 505-18	3.9	128

120	Development and characterization of an acellular human pericardial matrix for tissue engineering. <i>Tissue Engineering</i> , 2006 , 12, 763-73		120
119	Long-term wear of ceramic matrix composite materials for hip prostheses under severe swing phase microseparation. <i>Journal of Biomedical Materials Research Part B</i> , 2003 , 66, 567-73		104
118	Biomimetic self-assembling peptides as scaffolds for soft tissue engineering. <i>Nanomedicine</i> , 2013 , 8, 823-47	5.6	101
117	Tissue engineering of cardiac valve prostheses II: biomechanical characterization of decellularized porcine aortic heart valves. <i>Journal of Heart Valve Disease</i> , 2002 , 11, 463-71		97
116	Biocompatibility and potential of acellular human amniotic membrane to support the attachment and proliferation of allogeneic cells. <i>Tissue Engineering - Part A</i> , 2008 , 14, 463-72	3.9	96
115	Tribology and wear of metal-on-metal hip prostheses: influence of cup angle and head position. <i>Journal of Bone and Joint Surgery - Series A</i> , 2008 , 90 Suppl 3, 111-7	5.6	96
114	Development and characterization of an acellular porcine cartilage bone matrix for use in tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2011 , 99, 283-94	5.4	95
113	Characterisation of wear particles produced by metal on metal and ceramic on metal hip prostheses under standard and microseparation simulation. <i>Journal of Materials Science: Materials in Medicine</i> , 2007 , 18, 819-27	4.5	89
112	Production of TNF-alpha and bone resorbing activity by macrophages in response to different types of bone cement particles. <i>Biomaterials</i> , 2000 , 21, 1005-13	15.6	88
111	Effect of ionic strength on the self-assembly, morphology and gelation of pH responsive sheet tape-forming peptides. <i>Tetrahedron</i> , 2007 , 63, 7457-7467	2.4	87
110	The effect of hyaluronic acid and phospholipid based lubricants on friction within a human cartilage damage model. <i>Biomaterials</i> , 2006 , 27, 4581-90	15.6	87
109	The use of ultrasonication to aid recellularization of acellular natural tissue scaffolds for use in anterior cruciate ligament reconstruction. <i>Tissue Engineering</i> , 2007 , 13, 1561-72		85
108	Recombinant self-assembling peptides as biomaterials for tissue engineering. <i>Biomaterials</i> , 2010 , 31, 9395-405	15.6	81
107	Review: tissue engineering of the urinary bladder: considering structure-function relationships and the role of mechanotransduction. <i>Tissue Engineering</i> , 2006 , 12, 635-44		79
106	The 2007 Otto Aufranc Award. Ceramic-on-metal hip arthroplasties: a comparative in vitro and in vivo study. <i>Clinical Orthopaedics and Related Research</i> , 2007 , 465, 23-32	2.2	74
105	Comparison of the response of primary human peripheral blood mononuclear phagocytes from different donors to challenge with model polyethylene particles of known size and dose. <i>Biomaterials</i> , 2000 , 21, 2033-44	15.6	73
104	Effect of bearing size on the long-term wear, wear debris, and ion levels of large diameter metal-on-metal hip replacements-An in vitro study. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008 , 87, 163-72	3.5	69
103	Biocompatibility of acellular human pericardium. <i>Journal of Surgical Research</i> , 2007 , 143, 407-14	2.5	69

102	Wear of crosslinked polyethylene under different tribological conditions. <i>Journal of Materials Science: Materials in Medicine</i> , 2006 , 17, 235-43	4.5	69
101	Influence of particle size and reactive oxygen species on cobalt chrome nanoparticle-mediated genotoxicity. <i>Biomaterials</i> , 2013 , 34, 3559-70	15.6	64
100	Regional biomechanical and histological characterisation of the passive porcine urinary bladder: Implications for augmentation and tissue engineering strategies. <i>Biomaterials</i> , 2009 , 30, 266-75	15.6	63
99	Investigation of the regenerative capacity of an acellular porcine medial meniscus for tissue engineering applications. <i>Tissue Engineering - Part A</i> , 2011 , 17, 231-42	3.9	61
98	The hyaluronate lyase of <i>Staphylococcus aureus</i> - a virulence factor?. <i>Microbiology (United Kingdom)</i> , 2004 , 150, 2005-2013	2.9	60
97	Self-assembling peptides as injectable lubricants for osteoarthritis. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 78, 236-46	5.4	59
96	Effect of swing phase load on metal-on-metal hip lubrication, friction and wear. <i>Journal of Biomechanics</i> , 2006 , 39, 2274-81	2.9	56
95	2009 Knee Society Presidential Guest Lecture: Polyethylene wear in total knees. <i>Clinical Orthopaedics and Related Research</i> , 2010 , 468, 12-8	2.2	55
94	The genotoxicity of physiological concentrations of chromium (Cr(III) and Cr(VI)) and cobalt (Co(II)): an in vitro study. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010 , 688, 53-61	3.3	55
93	Comparison of wear in a total knee replacement under different kinematic conditions. <i>Journal of Materials Science: Materials in Medicine</i> , 2001 , 12, 1039-42	4.5	55
92	Quantitative characterization of polyethylene debris isolated from periprosthetic tissue in early failure knee implants and early and late failure Charnley hip implants. <i>Journal of Biomedical Materials Research Part B</i> , 2001 , 58, 415-20		52
91	Microbial colonization of an in vitro model of a tissue engineered human skin equivalent--a novel approach. <i>FEMS Microbiology Letters</i> , 2008 , 279, 110-5	2.9	49
90	The biological response to nanometre-sized polymer particles. <i>Acta Biomaterialia</i> , 2015 , 23, 38-51	10.8	47
89	Metal-on-metal bearing wear with different swing phase loads. <i>Journal of Biomedical Materials Research Part B</i> , 2004 , 70, 233-9		47
88	Biological effects of cobalt-chromium nanoparticles and ions on dural fibroblasts and dural epithelial cells. <i>Biomaterials</i> , 2013 , 34, 3547-58	15.6	46
87	Assay validation for the assessment of adipogenesis of multipotential stromal cells--a direct comparison of four different methods. <i>Cytotherapy</i> , 2013 , 15, 89-101	4.8	44
86	Nanometre size wear debris generated from crosslinked and non-crosslinked ultra high molecular weight polyethylene in artificial joints. <i>Wear</i> , 2005 , 259, 977-983	3.5	44
85	In vitro modulation of human keratinocyte pro- and anti-inflammatory cytokine production by the capsule of <i>Malassezia</i> species. <i>FEMS Immunology and Medical Microbiology</i> , 2008 , 54, 203-14		43

84	Development of methods for studying the differentiation of human mesenchymal stem cells under cyclic compressive strain. <i>Tissue Engineering - Part C: Methods</i> , 2012 , 18, 252-62	2.9	42
83	Rational molecular design of complementary self-assembling peptide hydrogels. <i>Advanced Healthcare Materials</i> , 2012 , 1, 640-5	10.1	41
82	Tissue engineering of cardiac valves: re-seeding of acellular porcine aortic valve matrices with human mesenchymal progenitor cells. <i>Journal of Heart Valve Disease</i> , 2005 , 14, 806-13		40
81	Development and characterization of acellular allogeneic arterial matrices. <i>Tissue Engineering - Part A</i> , 2012 , 18, 471-83	3.9	39
80	Regenerative potential of low-concentration SDS-decellularized porcine aortic valved conduits in vivo. <i>Tissue Engineering - Part A</i> , 2015 , 21, 332-42	3.9	38
79	Surface engineering: a low wearing solution for metal-on-metal hip surface replacements. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009 , 90, 558-65	3.5	38
78	Tissue engineering small-diameter vascular grafts: preparation of a biocompatible porcine ureteric scaffold. <i>Tissue Engineering - Part A</i> , 2008 , 14, 1871-82	3.9	37
77	Biphasic surface amorphous layer lubrication of articular cartilage. <i>Medical Engineering and Physics</i> , 2005 , 27, 836-44	2.4	36
76	In-vitro assessment of the functional performance of the decellularized intact porcine aortic root. <i>Journal of Heart Valve Disease</i> , 2005 , 14, 408-21; discussion 422		36
75	Role of the hprT-ftsH locus in <i>Staphylococcus aureus</i> . <i>Microbiology (United Kingdom)</i> , 2004 , 150, 373-381	2.9	35
74	The use of antithrombotic therapies in reducing synthetic small-diameter vascular graft thrombosis. <i>Vascular and Endovascular Surgery</i> , 2012 , 46, 212-22	1.4	32
73	Comparative wear under different conditions of surface-engineered metal-on-metal bearings for total hip arthroplasty. <i>Journal of Arthroplasty</i> , 2004 , 19, 112-7	4.4	32
72	Development and characterization of acellular porcine pulmonary valve scaffolds for tissue engineering. <i>Tissue Engineering - Part A</i> , 2014 , 20, 2963-74	3.9	31
71	Consequences of exposure to peri-articular injections of micro- and nano-particulate cobalt-chromium alloy. <i>Biomaterials</i> , 2013 , 34, 8564-80	15.6	31
70	Comparison of human and animal femoral head chondral properties and geometries. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2012 , 226, 55-62	1.7	30
69	Current strategies in meniscal regeneration. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014 , 102, 619-34	3.5	29
68	Development of a decellularised dermis. <i>Cell and Tissue Banking</i> , 2013 , 14, 465-74	2.2	29
67	Decellularization and Characterization of Porcine Superflexor Tendon: A Potential Anterior Cruciate Ligament Replacement. <i>Tissue Engineering - Part A</i> , 2017 , 23, 124-134	3.9	29

66	Assessment of a microplate method for determining the post-antibiotic effect in <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2004 , 54, 139-43	5.1	29
65	Decellularization of human donor aortic and pulmonary valved conduits using low concentration sodium dodecyl sulfate. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e841-e853	4.4	28
64	Thirteen years' experience with the Ross Operation. <i>Journal of Heart Valve Disease</i> , 2009 , 18, 84-94		28
63	Biocompatibility and recellularization potential of an acellular porcine heart valve matrix. <i>Journal of Heart Valve Disease</i> , 2005 , 14, 228-36; discussion 236-7		27
62	Fluid load support and contact mechanics of hemiarthroplasty in the natural hip joint. <i>Medical Engineering and Physics</i> , 2011 , 33, 96-105	2.4	26
61	Comparison of the response of human peripheral blood mononuclear cells to challenge with particles of three bone cements in vitro. <i>Biomaterials</i> , 2003 , 24, 737-48	15.6	26
60	Heat shock proteins and inflammatory acne vulgaris: molecular cloning, overexpression and purification of a propionibacterium acnes GroEL and DnaK homologue. <i>FEMS Microbiology Letters</i> , 2000 , 191, 183-6	2.9	26
59	Comparison of wear of ultra high molecular weight polyethylene acetabular cups against alumina ceramic and chromium nitride coated femoral heads. <i>Wear</i> , 2005 , 259, 972-976	3.5	25
58	Wear-simulation analysis of rotating-platform mobile-bearing knees. <i>Orthopedics</i> , 2006 , 29, S36-41	1.5	25
57	Development and characterisation of a decellularised bovine osteochondral biomaterial for cartilage repair. <i>Journal of Materials Science: Materials in Medicine</i> , 2015 , 26, 186	4.5	24
56	The human tissue-biomaterial interface: a role for PPAR α dependent glucocorticoid receptor activation in regulating the CD163+ M2 macrophage phenotype. <i>Tissue Engineering - Part A</i> , 2014 , 20, 2390-401	3.9	23
55	Immunogenicity of undifferentiated and differentiated allogeneic mouse mesenchymal stem cells. <i>Journal of Tissue Engineering</i> , 2014 , 5, 2041731414534255	7.5	21
54	Delayed development of linezolid resistance in <i>Staphylococcus aureus</i> following exposure to low levels of antimicrobial agents. <i>Antimicrobial Agents and Chemotherapy</i> , 2008 , 52, 1940-4	5.9	21
53	Modeling tissue growth within nonwoven scaffolds pores. <i>Tissue Engineering - Part C: Methods</i> , 2011 , 17, 123-30	2.9	20
52	Tribology studies of the natural knee using an animal model in a new whole joint natural knee simulator. <i>Journal of Biomechanics</i> , 2015 , 48, 3004-11	2.9	19
51	De novo designed positively charged tape-forming peptides: self-assembly and gelation in physiological solutions and their evaluation as 3D matrices for cell growth. <i>Soft Matter</i> , 2011 , 7, 8085	3.6	19
50	(iv) Enhancing the safety and reliability of joint replacement implants. <i>Orthopaedics and Trauma</i> , 2012 , 26, 246-252	0.5	18
49	Cytocompatibility of poly(1,2 propandiol methacrylate) copolymer hydrogels and conetworks with or without alkyl amine functionality. <i>Biomaterials</i> , 2009 , 30, 2468-78	15.6	18

48	Mechanisms of the post-antibiotic effects induced by rifampicin and gentamicin in Escherichia coli. <i>Journal of Antimicrobial Chemotherapy</i> , 2006 , 58, 444-8	5.1	18
47	A biomechanical characterisation of acellular porcine super flexor tendons for use in anterior cruciate ligament replacement: investigation into the effects of fat reduction and bioburden reduction bioprocesses. <i>Journal of Biomechanics</i> , 2015 , 48, 22-9	2.9	16
46	The effects of irradiation on the biological and biomechanical properties of an acellular porcine superflexor tendon graft for cruciate ligament repair. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017 , 105, 2477-2486	3.5	16
45	Long-term clinical, radiological and histopathological follow-up of a well-fixed Mckee-Farrar metal-on-metal total hip arthroplasty. <i>Journal of Arthroplasty</i> , 2005 , 20, 542-6	4.4	16
44	The effect of anterior-posterior shear on the wear of CHARITII total disc replacement. <i>Spine</i> , 2012 , 37, E528-34	3.3	14
43	Hemiarthroplasty of hip joint: An experimental validation using porcine acetabulum. <i>Journal of Biomechanics</i> , 2011 , 44, 1536-42	2.9	13
42	Wavelength dependent responses of primary human keratinocytes to combined treatment with benzo[a]pyrene and UV light. <i>Mutagenesis</i> , 2005 , 20, 305-10	2.8	12
41	Bi-linear mechanical property determination of acellular human patellar tendon grafts for use in anterior cruciate ligament replacement. <i>Journal of Biomechanics</i> , 2016 , 49, 1607-1612	2.9	12
40	Factors influencing the oxygen consumption rate of aortic valve interstitial cells: application to tissue engineering. <i>Tissue Engineering - Part C: Methods</i> , 2009 , 15, 355-63	2.9	11
39	Computational simulation of oxygen diffusion in aortic valve leaflet for tissue engineering applications. <i>Journal of Heart Valve Disease</i> , 2008 , 17, 700-9		11
38	Investigation of the antiadhesive properties of human mesothelial cells cultured in vitro on implantable surgical materials. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009 , 88, 49-60	3.5	10
37	Decellularisation affects the strain rate dependent and dynamic mechanical properties of a xenogeneic tendon intended for anterior cruciate ligament replacement. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 91, 18-23	4.1	10
36	Development and characterisation of a low-concentration sodium dodecyl sulphate decellularised porcine dermis. <i>Journal of Tissue Engineering</i> , 2017 , 8, 2041731417724011	7.5	9
35	Wear of surface-engineered metal-on-metal bearings for hip prostheses under adverse conditions with the head loading on the rim of the cup. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2013 , 227, 345-9	1.7	9
34	The osteolytic response of macrophages to challenge with particles of Simplex P, Endurance, Palacos R, and Vertebroplastic bone cement particles in vitro. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2005 , 75, 210-20	3.5	9
33	Interaction of micron and nano-sized particles with cells of the dura mater. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014 , 102, 1496-505	3.5	8
32	(v) Simulation and measurement of wear in metal-on-metal bearings in vitro- understanding the reasons for increased wear. <i>Orthopaedics and Trauma</i> , 2012 , 26, 253-258	0.5	7
31	In Vitro Measurement of Wear in Joint Replacements: A Stratified Approach for Enhanced Reliability BAFERIPre-Clinical Simulation Testing. <i>Seminars in Arthroplasty</i> , 2012 , 23, 286-288	0.4	7

30	Simple geometry tribological study of osteochondral graft implantation in the knee. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2018 , 232, 249-256	1.7	6
29	Deletion of the multiple-drug efflux pump AcrAB in Escherichia coli prolongs the postantibiotic effect. <i>Antimicrobial Agents and Chemotherapy</i> , 2005 , 49, 1206-8	5.9	6
28	The Staphylococcus aureus Alternative Sigma Factor B Controls the Environmental Stress Response but Not Starvation Survival or Pathogenicity in a Mouse Abscess Model. <i>Journal of Bacteriology</i> , 1998 , 180, 6082-6089	3.5	6
27	Regional biomechanical and histological characterization of the mitral valve apparatus: Implications for mitral repair strategies. <i>Journal of Biomechanics</i> , 2016 , 49, 2491-501	2.9	5
26	Investigation of the Suitability of Decellularised Porcine Pericardium for Mitral Valve Reconstruction 2012 ,		5
25	Biomechanical assessment of the stability of osteochondral grafts implanted in porcine and bovine femoral condyles. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2020 , 234, 163-170	1.7	5
24	The effects of irradiation dose and storage time following treatment on the viscoelastic properties of decellularised porcine super flexor tendon. <i>Journal of Biomechanics</i> , 2017 , 57, 157-160	2.9	4
23	Biological Effects of Clinically Relevant CoCr Nanoparticles in the Dura Mater: An Organ Culture Study. <i>Nanomaterials</i> , 2014 , 4, 485-504	5.4	4
22	Development of a specimen-specific in vitro pre-clinical simulation model of the human cadaveric knee with appropriate soft tissue constraints. <i>PLoS ONE</i> , 2020 , 15, e0238785	3.7	4
21	Decellularized Intervertebral Discs: A Potential Replacement for Degenerate Human Discs. <i>Tissue Engineering - Part C: Methods</i> , 2020 , 26, 565-576	2.9	4
20	Stratifying the mechanical performance of a decellularized xenogeneic tendon graft for anterior cruciate ligament reconstruction as a function of graft diameter: An animal study. <i>Bone and Joint Research</i> , 2019 , 8, 518-525	4.2	4
19	A Nondestructive Method to Distinguish the Internal Constituent Architecture of the Intervertebral Discs Using 9.4 Tesla Magnetic Resonance Imaging. <i>Spine</i> , 2015 , 40, E1315-22	3.3	3
18	Technique for internal channelling of hydroentangled nonwoven scaffolds to enhance cell penetration. <i>Journal of Biomaterials Applications</i> , 2013 , 28, 241-9	2.9	3
17	Augmentation of the insufficient tissue bed for surgical repair of hypospadias using acellular matrix grafts: A proof of concept study. <i>Journal of Tissue Engineering</i> , 2021 , 12, 2041731421998840	7.5	3
16	Development of a pre-clinical experimental simulation model of the natural porcine knee with appropriate ligamentous constraints. <i>PLoS ONE</i> , 2019 , 14, e0216872	3.7	2
15	Generation of a large volume of clinically relevant nanometre-sized ultra-high-molecular-weight polyethylene wear particles for cell culture studies. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2014 , 228, 418-26	1.7	2
14	Integration and functional performance of a decellularised porcine superflexor tendon graft in an ovine model of anterior cruciate ligament reconstruction. <i>Biomaterials</i> , 2021 , 279, 121204	15.6	2
13	Tribology of Hip Joints from Natural Hip Joints, Cartilage Substitution, Artificial Replacements to Cartilage Tissue Engineering. <i>Journal of Biomechanical Science and Engineering</i> , 2006 , 1, 69-81	0.8	1

12	Effect of size and dose on bone resorption activity of macrophages by in vitro clinically relevant ultra high molecular weight polyethylene particles 2000 , 53, 490		1
11	Quantitative characterization of polyethylene debris isolated from periprosthetic tissue in early failure knee implants and early and late failure Charnley hip implants 2001 , 58, 415		1
10	The effect of decellularisation on the real time mechanical fatigue of porcine aortic heart valve roots.. <i>PLoS ONE</i> , 2022 , 17, e0265763	3.7	1
9	Orthogonal invariant sets of the diffusion tensor and the development of a curvilinear set suitable for low-anisotropy tissues. <i>PLoS ONE</i> , 2013 , 8, e78798	3.7	0
8	Characterization of UHMWPE Wear Particles 2009 , 409-422		0
7	Decellularised human bone allograft from different anatomical sites as a basis for functionally stratified repair material for bone defects. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022 , 125, 104965	4.1	0
6	An experimental simulation model to assess wear of the porcine patellofemoral joint. <i>PLoS ONE</i> , 2021 , 16, e0250077	3.7	0
5	Developing a Tooth Organ Culture Model for Dental and Periodontal Regeneration Research. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 581413	5.8	0
4	Peptide-Based Biomaterials: Rational Molecular Design of Complementary Self-Assembling Peptide Hydrogels (Adv. Healthcare Mater. 5/2012). <i>Advanced Healthcare Materials</i> , 2012 , 1, 679-679	10.1	
3	The Effect of Different Lubrication Regimes and Lubricants on the Friction Hard-on-Hard Total Hip Replacements 2005 , 625		
2	TRIBOLOGY OF METAL-ON-METAL ARTIFICIAL HIP JOINTS 2009 , 279-307		
1	Development and Characterisation of a Decellularised Porcine Dermis for Chronic Non-Healing Wounds. <i>European Journal of Vascular and Endovascular Surgery</i> , 2019 , 58, e156	2.3	