

Alastair Hamish R w W Simpson

List of Publications by Year in descending order

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119
papers

7,012
citations

50244

46
h-index

60583

81
g-index

119
all docs

119
docs citations

119
times ranked

6263
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospective Evaluation of Criteria for Microbiological Diagnosis of Prosthetic-Joint Infection at Revision Arthroplasty. Journal of Clinical Microbiology, 1998, 36, 2932-2939.	1.8	677
2	Inhibition of fracture healing. Journal of Bone and Joint Surgery: British Volume, 2007, 89-B, 1553-1560.	3.4	304
3	The management of fractures with bone loss. Journal of Bone and Joint Surgery: British Volume, 2005, 87-B, 142-150.	3.4	286
4	Cloning and characterization of an IGF-1 isoform expressed in skeletal muscle subjected to stretch. Journal of Muscle Research and Cell Motility, 1996, 17, 487-495.	0.9	261
5	Finite element modelling of the pelvis: Inclusion of muscular and ligamentous boundary conditions. Medical Engineering and Physics, 2007, 29, 739-748.	0.8	207
6	The clinical and cost-effectiveness of total versus partial knee replacement in patients with medial compartment osteoarthritis (TOPKAT): 5-year outcomes of a randomised controlled trial. Lancet, The, 2019, 394, 746-756.	6.3	195
7	Sliding hip screws: modes of failure. Injury, 1989, 20, 227-231.	0.7	181
8	Physiologic Oxygen Enhances Human Embryonic Stem Cell Clonal Recovery and Reduces Chromosomal Abnormalities. Cloning and Stem Cells, 2006, 8, 16-23.	2.6	181
9	Changes in muscle fibre type, muscle mass and IGF-I gene expression in rabbit skeletal muscle subjected to stretch. Journal of Anatomy, 1997, 190, 613-622.	0.9	179
10	Cellular and Molecular Anatomy of the Human Neuromuscular Junction. Cell Reports, 2017, 21, 2348-2356.	2.9	158
11	Chronic osteomyelitis. Journal of Bone and Joint Surgery: British Volume, 2001, 83, 403-407.	3.4	146
12	Gentamicin May Have an Adverse Effect on Osteogenesis. Journal of Orthopaedic Trauma, 2003, 17, 212-216.	0.7	142
13	Human atrophic fracture non-unions are not avascular. Journal of Orthopaedic Research, 2002, 20, 593-599.	1.2	126
14	Accidents with horses: what has changed in 20 years?. Injury, 1996, 27, 103-105.	0.7	118
15	Effect of lengthening rate on angiogenesis during distraction osteogenesis. Journal of Orthopaedic Research, 1999, 17, 362-367.	1.2	116
16	Bone consolidation is enhanced by rhBMP-2 in a rabbit model of distraction osteogenesis. Journal of Orthopaedic Research, 2002, 20, 779-788.	1.2	111
17	<i>In vivo</i> models of bone repair. Journal of Bone and Joint Surgery: British Volume, 2012, 94-B, 865-874.	3.4	111
18	Assessment of cell proliferation in regenerating bone during distraction osteogenesis at different distraction rates. Journal of Orthopaedic Research, 1997, 15, 765-772.	1.2	108

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19	The importance of lag screw position for the stabilization of trochanteric fractures with a sliding hip screw: A subject-specific finite element study. <i>Journal of Orthopaedic Research</i> , 2013, 31, 596-600.	1.2	102
20	Fas/CD95 is associated with glucocorticoid-induced osteocyte apoptosis. <i>Life Sciences</i> , 2004, 75, 2879-2895.	2.0	99
21	Quantifying the Cosmetic Defect of Adolescent Idiopathic Scoliosis. <i>Spine</i> , 1993, 18, 909-912.	1.0	98
22	Leg lengthening over an intramedullary nail. <i>Journal of Bone and Joint Surgery: British Volume</i> , 1999, 81, 1041-1045.	3.4	93
23	The vascularity of atrophic non-unions. <i>Injury</i> , 2002, 33, 145-150.	0.7	90
24	Osteoprogenitor cells of mature human skeletal muscle tissue: an in vitro study. <i>Bone</i> , 2001, 29, 317-322.	1.4	89
25	Does screw-bone interface modelling matter in finite element analyses?. <i>Journal of Biomechanics</i> , 2012, 45, 1712-1716.	0.9	88
26	Comparison of fluorescent single-strand conformation polymorphism analysis and denaturing high-performance liquid chromatography for detection of EXT1 and EXT2 mutations in hereditary multiple exostoses. <i>European Journal of Human Genetics</i> , 2000, 8, 24-32.	1.4	85
27	Vascularity in a new model of atrophic nonunion. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2003, 85-B, 604-610.	3.4	82
28	Does the type of flooring affect the risk of hip fracture?. <i>Age and Ageing</i> , 2004, 33, 242-246.	0.7	82
29	How to minimize failures of fixation of unstable intertrochanteric fractures. <i>Injury</i> , 1995, 26, 611-614.	0.7	79
30	Fracture nonunion in long bones: A literature review of risk factors and surgical management. <i>Injury</i> , 2021, 52, S3-S11.	0.7	79
31	FOXP1 circular RNA sustains mesenchymal stem cell identity via microRNA inhibition. <i>Nucleic Acids Research</i> , 2019, 47, 5325-5340.	6.5	78
32	Comparative outcomes of total hip and knee arthroplasty: a prospective cohort study. <i>Postgraduate Medical Journal</i> , 2012, 88, 627-631.	0.9	68
33	Multinational survey of osteoporotic fracture management. <i>Osteoporosis International</i> , 2005, 16, S44-S53.	1.3	65
34	Biomaterial Particle Phagocytosis by Bone-Resorbing Osteoclasts. <i>Journal of Bone and Joint Surgery: British Volume</i> , 1997, 79, 849-856.	3.4	63
35	Fracture after distraction osteogenesis. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2000, 82, 659-665.	3.4	60
36	Manual assessment of fracture stiffness. <i>Injury</i> , 1996, 27, 319-320.	0.7	59

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37	Gene Expression in Response to Muscle Stretch. <i>Clinical Orthopaedics and Related Research</i> , 2002, 403, S146-S152.	0.7	59
38	Toxic effect of rifampicin on human osteoblast-like cells. <i>Journal of Orthopaedic Research</i> , 2001, 19, 950-954.	1.2	56
39	Chondrocyte survival in articular cartilage. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2009, 91-B, 691-699.	3.4	56
40	The morphological basis of increased stiffness of rabbit tibialis anterior muscles during surgical limb-lengthening. <i>Journal of Anatomy</i> , 1998, 193, 131-138.	0.9	55
41	Femoral lengthening with the Intramedullary Skeletal Kinetic Distractor. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2009, 91-B, 955-961.	3.4	55
42	Expression of BMP-4 mRNA during distraction osteogenesis in rabbits. <i>Acta Orthopaedica</i> , 1998, 69, 420-425.	1.4	54
43	3D Freehand Ultrasound for in vivo Determination of Human Skeletal Muscle Volume. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 928-935.	0.7	54
44	<i>Staphylococcus aureus</i> capsular material promotes osteoclast formation. <i>Injury</i> , 2006, 37, S41-S48.	0.7	51
45	Pyoderma gangrenosum. <i>Journal of Bone and Joint Surgery: British Volume</i> , 1999, 81, 893-895.	3.4	50
46	TISSUES FORMED DURING DISTRACTION OSTEOGENESIS IN THE RABBIT ARE DETERMINED BY THE DISTRACTION RATE: LOCALIZATION OF THE CELLS THAT EXPRESS THE mRNAs AND THE DISTRIBUTION OF TYPES I AND II COLLAGENS. <i>Cell Biology International</i> , 2000, 24, 25-33.	1.4	49
47	Orthopaedic surgeons and fragility fractures. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2004, 86-B, 958-961.	3.4	47
48	Bone properties affect loosening of half-pin external fixators at the pinâ€“bone interface. <i>Injury</i> , 2012, 43, 1764-1770.	0.7	47
49	Effect of rate of distraction on loss of range of joint movement, muscle stiffness, and intramuscular connective tissue content during surgical limb-lengthening: A study in the rabbit. , 1999, 255, 78-83.		44
50	Effect of Limb Lengthening on Internodal Length and Conduction Velocity of Peripheral Nerve. <i>Journal of Neuroscience</i> , 2013, 33, 4536-4539.	1.7	43
51	The forces which develop in the tissues during leg lengthening. <i>Journal of Bone and Joint Surgery: British Volume</i> , 1996, 78, 979-983.	3.4	43
52	The Role of Chondrocytes in Intramembranous and Endochondral Ossification During Distraction Osteogenesis in the Rabbit. <i>Calcified Tissue International</i> , 1999, 64, 310-317.	1.5	40
53	A murine model of distraction osteogenesis. <i>Bone</i> , 2000, 27, 661-665.	1.4	39
54	Chondrocyte death in mechanically injured articular cartilageâ€“the influence of extracellular calcium. <i>Journal of Orthopaedic Research</i> , 2009, 27, 778-784.	1.2	38

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55	Skin closure after acute shortening. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2001, 83, 668-671.	3.4	37
56	Use of the Russell-Taylor reconstruction nail in femoral shaft fractures. <i>Injury</i> , 1995, 26, 389-392.	0.7	34
57	Measurement of impact force, simulation of fall and hip fracture. <i>Medical Engineering and Physics</i> , 1998, 20, 57-65.	0.8	34
58	Histological assessment of the presence or absence of infection in fracture non-union. <i>Injury</i> , 2002, 33, 151-155.	0.7	34
59	A role for ultrasound in limb lengthening. <i>British Journal of Radiology</i> , 1992, 65, 576-580.	1.0	33
60	Metabolic activity of a new atrophic nonunion model in rabbits. <i>Journal of Orthopaedic Research</i> , 2000, 18, 438-442.	1.2	32
61	The role of inhibitory molecules in fracture healing. <i>Injury</i> , 2006, 37, S20-S29.	0.7	32
62	Thoracic spine translocation without cord injury. <i>Journal of Bone and Joint Surgery: British Volume</i> , 1990, 72-B, 80-83.	3.4	32
63	Growth factor expression during the development of atrophic non-union. <i>Injury</i> , 2001, 32, 519-524.	0.7	31
64	Cystic degeneration of fibrous dysplasia masquerading as sarcoma. <i>Journal of Bone and Joint Surgery: British Volume</i> , 1989, 71-B, 434-436.	3.4	31
65	Loss of Knee Range of Motion in Leg Lengthening. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2001, 31, 238-246.	1.7	30
66	Cutting-edge design to improve cell viability in osteochondral grafts. <i>Osteoarthritis and Cartilage</i> , 2005, 13, 665-671.	0.6	30
67	Anatomical effects of periosteal elevation. <i>Journal of Orthopaedic Research</i> , 2000, 18, 500-502.	1.2	28
68	An ultrasonic orthopaedic surgical device based on a cymbal transducer. <i>Ultrasonics</i> , 2016, 72, 24-33.	2.1	28
69	Is patient reporting of physical function accurate following total knee replacement?. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2012, 94-B, 1506-1510.	3.4	27
70	Biologic model of bone transport distraction osteogenesis and vascular response. <i>Journal of Orthopaedic Research</i> , 1999, 17, 238-245.	1.2	25
71	Stiffness, strength and healing assessment in different bone fractures – a simple mathematical model. <i>Injury</i> , 2000, 31, 777-781.	0.7	25
72	Assessment of a self-administration protocol for extended subcutaneous thromboprophylaxis in lower limb arthroplasty. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2006, 88-B, 107-110.	3.4	25

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73	Non-union: Indications for external fixation. <i>Injury</i> , 2019, 50, S73-S78.	0.7	25
74	Investigation of factors affecting loosening of ilizarov ringâ€wire external fixator systems at the boneâ€wire interface. <i>Journal of Orthopaedic Research</i> , 2012, 30, 726-732.	1.2	24
75	Muscle Fibre Damage and Regeneration Resulting from Surgical Limb Distraction. <i>Cells Tissues Organs</i> , 2001, 169, 395-400.	1.3	23
76	Mathematical prediction of ileal pouch capacity. <i>British Journal of Surgery</i> , 2005, 74, 567-568.	0.1	22
77	A method of examining the magnitude and origin of â€softâ€ and â€hardâ€ tissue forces resisting limb lengthening. <i>Medical Engineering and Physics</i> , 1997, 19, 405-411.	0.8	21
78	Contamination of the medullary canal following pin-tract infection. <i>Journal of Orthopaedic Research</i> , 1999, 17, 947-952.	1.2	21
79	Rapid new bone tissue remodeling during distraction osteogenesis is associated with apoptosis. <i>Journal of Orthopaedic Research</i> , 2003, 21, 28-35.	1.2	21
80	Recovery of Muscle Strength and Power After Limb-Lengthening Surgery. <i>Archives of Physical Medicine and Rehabilitation</i> , 2010, 91, 384-388.	0.5	20
81	Terminal Schwann cells at the human neuromuscular junction. <i>Brain Communications</i> , 2021, 3, fcab081.	1.5	20
82	The modified Schollner costoplasty. <i>Journal of Bone and Joint Surgery: British Volume</i> , 1990, 72-B, 894-900.	3.4	18
83	Three-dimensional movement at externally fixated tibial fractures and osteotomies during normal patient function. <i>Clinical Biomechanics</i> , 1994, 9, 51-59.	0.5	18
84	Distraction osteogenesis in the <i>Cbfa-1</i> + mouse. <i>Journal of Orthopaedic Research</i> , 2004, 22, 1276-1282.	1.2	18
85	MYCOPLASMA PNEUMONIAE INFECTION A Retrospective Review of 103 Hospitalised Children. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2008, 68, 833-839.	0.7	18
86	Sonographic bridging callus: An early predictor of fracture union. <i>Injury</i> , 2019, 50, 2196-2202.	0.7	18
87	Prevention of bicycle accidents. <i>Injury</i> , 1992, 23, 171-173.	0.7	17
88	Fracture management in HIV positive individuals: a systematic review. <i>International Orthopaedics</i> , 2016, 40, 2429-2445.	0.9	17
89	Recovery of function after closed femoral shortening. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2004, 86-B, 1182-1186.	3.4	16
90	Repeatability of goniometer measurements of the knee in patients wearing an Ilizarov external fixator: a clinic-based study. <i>Clinical Rehabilitation</i> , 1999, 13, 156-163.	1.0	15

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91	The Association Between Ulnar Length and Forearm Movement in Patients With Multiple Osteochondromas. <i>Journal of Hand Surgery</i> , 2007, 32, 667-673.	0.7	15
92	Invasive group B streptococcal disease in an orthopaedic unit. <i>Journal of Hospital Infection</i> , 2010, 76, 231-233.	1.4	13
93	Advantages and disadvantages of pinless external fixation. <i>Injury</i> , 2000, 31, 805-809.	0.7	12
94	Rapid application fracture fixators – an evaluation of mechanical performance. <i>Clinical Biomechanics</i> , 2001, 16, 151-159.	0.5	12
95	Bone transport over an intramedullary nail. <i>Injury</i> , 1999, 30, 525-534.	0.7	10
96	Response of the tendon during limb lengthening. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2005, 87-B, 583-587.	3.4	10
97	The value of routine screening of staff for MRSA. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2007, 89-B, 565-566.	3.4	10
98	Damage control articular surgery: Maintaining chondrocyte health and minimising iatrogenic injury. <i>Injury</i> , 2020, 51, S83-S89.	0.7	8
99	Response of the Physis to Leg Lengthening. <i>Journal of Pediatric Orthopaedics Part B</i> , 2001, 10, 339-343.	0.3	8
100	A longitudinal-torsional mode ultrasonic needle for deep penetration into bone. <i>Ultrasonics</i> , 2022, , 106756.	2.1	8
101	Should women attending fracture clinics be counselled about osteoporosis?. <i>Injury</i> , 1993, 24, 441-442.	0.7	6
102	Prioritization versus rationing of healthcare – elective surgery is not optional surgery. <i>Bone and Joint Research</i> , 2022, 11, 301-303.	1.3	6
103	Duodenal ulceration into the cystic artery. <i>Postgraduate Medical Journal</i> , 1990, 66, 144-146.	0.9	5
104	Relative ability of young and mature muscles to respond to limb lengthening. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2006, 88-B, 1666-1669.	3.4	5
105	Under-representation of the elderly in osteoarthritis clinical trials. <i>Rheumatology</i> , 2011, 50, 1184-1186.	0.9	5
106	Slipped upper tibial epiphysis in infantile tibia vara. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2012, 94-B, 1288-1291.	3.4	5
107	Preventing Instability of the Taylor Spatial Frame (TSF) During a Strut Change. <i>Journal of Orthopaedic Trauma</i> , 2012, 26, 258-260.	0.7	5
108	Prevention of Hand Injuries in Cycle Accidents. <i>Journal of Trauma</i> , 1992, 32, 683-685.	2.3	4

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109	Beware the painful nerve palsy; neurostenalgia, a diagnosis not to be missed. <i>Strategies in Trauma and Limb Reconstruction</i> , 2012, 7, 177-179.	0.2	4
110	Effect on Knee Flexion of a Modification to the Surgical Technique of Pin Placement during Femoral Lengthening. <i>Journal of Pediatric Orthopaedics Part B</i> , 2002, 11, 307-312.	0.3	3
111	Predicting the loss of knee flexion during limb lengthening using inherent muscle length. <i>Journal of Pediatric Orthopaedics Part B</i> , 2006, 15, 404-407.	0.3	3
112	Intramedullary nailing – Evolution of treatment. <i>Injury</i> , 2017, 48, S1-S2.	0.7	3
113	Post operative swelling in Ilizarov leg lengthening. <i>Injury</i> , 1998, 29, 717-718.	0.7	2
114	Effect on Knee Flexion of a Modification to the Surgical Technique of Pin Placement during Femoral Lengthening. <i>Journal of Pediatric Orthopaedics Part B</i> , 2002, 11, 307-312.	0.3	2
115	Changes in muscle fibre type, muscle mass and IGF-I gene expression in rabbit skeletal muscle subjected to stretch. , 0, .		2
116	Oxygen uptake kinetics measured at the onset of comfortable self-paced walking in elderly women after hip fracture. <i>European Journal of Applied Physiology</i> , 2007, 100, 355-362.	1.2	0
117	Role of α v integrins on perivascular mesenchymal cells in regulation of skeletal and cardiac muscle fibrosis. <i>Lancet, The</i> , 2017, 389, S13.	6.3	0
118	Acute Renal Failure. <i>Journal of Bone and Joint Surgery - Series A</i> , 2000, 82, 599.	1.4	0
119	Managing childhood orthopaedic abnormalities. <i>Practitioner</i> , 2005, 249, 735-6, 738, 741-2 passim.	0.3	0