Donald W Howie

List of Publications by Year
in descending order

65 papers	2,866 citations	147566 31 h-index	168136 53 g-index
66 all docs	66 docs citations	66 times ranked	2161 citing authors

#	Article	IF	Citations
1	Large Femoral Heads Decrease the Incidence of Dislocation After Total Hip Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2012, 94, 1095-1102.	1.4	237
2	The proliferation and phenotypic expression of human osteoblasts on tantalum metal. Biomaterials, 2004, 25, 2215-2227.	5.7	179
3	Tissue response in relation to type of wear particles around failed hip arthroplasties. Journal of Arthroplasty, 1990, 5, 337-348.	1.5	144
4	The Response to Particulate Debris. Orthopedic Clinics of North America, 1993, 24, 571-581.	0.5	123
5	The correlation of RANK, RANKL and TNFÎ± expression with bone loss volume and polyethylene wear debris around hip implants. Biomaterials, 2006, 27, 5212-5219.	5.7	114
6	Metal on Metal Total Hip Replacement Workshop Consensus Document. Clinical Orthopaedics and Related Research, 1996, 329, S297-S303.	0.7	106
7	Implant retrieval studies of the wear and loosening of prosthetic joints: a review. Wear, 2000, 241, 158-165.	1.5	99
8	Biologic Effects of Cobalt Chrome in Cell and Animal Models. Clinical Orthopaedics and Related Research, 1996, 329, S217-S232.	0.7	96
9	The induction of a catabolic phenotype in human primary osteoblasts and osteocytes by polyethylene particles. Biomaterials, 2009, 30, 3672-3681.	5.7	96
10	Resurfacing Hip Arthroplasty. Clinical Orthopaedics and Related Research, 1990, &NA;, 144???159.	0.7	82
11	Variation in Cytokines Induced by Particles From Different Prosthetic Materials. Clinical Orthopaedics and Related Research, 1998, 352, 223???230.	0.7	82
12	Effects of Design Changes on Cemented Tapered Femoral Stem Fixation. Clinical Orthopaedics and Related Research, 1998, 355, 47-56.	0.7	79
13	Primary human osteoblasts grow into porous tantalum and maintain an osteoblastic phenotype. Journal of Biomedical Materials Research - Part A, 2008, 84A, 691-701.	2.1	78
14	Posterolateral and anterolateral approaches to unicondylar posterolateral tibial plateau fractures: A comparative study. Injury, 2013, 44, 1561-1568.	0.7	72
15	The Long-Term Wear of Retrieved McKee-Farrar Metal-on-Metal Total Hip Prostheses. Journal of Arthroplasty, 2005, 20, 350-357.	1.5	62
16	Cement-Within-Cement Stem Exchange Using the Collarless Polished Double-Taper Stem. Journal of Arthroplasty, 2007, 22, 1000-1006.	1.5	59
17	The effect of particle phagocytosis and metallic wear particles on osteoclast formation and bone resorption in vitro. Journal of Arthroplasty, 2000, 15, 654-662.	1.5	57
18	The use of OP-1 in femoral impaction grafting in a sheep model. Journal of Orthopaedic Research, 2004, 22, 1008-1015.	1.2	56

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19	Validity and Reliability of the Paprosky Acetabular Defect Classification. Clinical Orthopaedics and Related Research, 2013, 471, 2259-2265.	0.7	54
20	The Synovial Response to Intraarticular Injection in Rats of Polyethylene Wear Particles. Clinical Orthopaedics and Related Research, 1993, 292, 352-357.	0.7	53
21	Wear of highly crosslinked polyethylene acetabular components. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 86, 159-168.	1.2	53
22	Macrophage colony-stimulating factor and interleukin-6 release by periprosthetic cells stimulates osteoclast formation and bone resorption. Journal of Orthopaedic Research, 1999, 17, 686-694.	1.2	50
23	Progression of Acetabular Periprosthetic Osteolytic Lesions Measured with Computed Tomography. Journal of Bone and Joint Surgery - Series A, 2007, 89, 1818-1825.	1.4	48
24	Role of polyethylene particles in peri-prosthetic osteolysis: A review. World Journal of Orthopedics, 2011, 2, 93.	0.8	44
25	Is internal fixation alone advantageous in selected <scp>B</scp>2 periprosthetic fractures?. ANZ Journal of Surgery, 2015, 85, 169-173.	0.3	43
26	Drug Inhibition of the Macrophage Response to Metal Wear Particles In Vitro. Clinical Orthopaedics and Related Research, 1996, 323, 316-326.	0.7	42
27	Metal-on-Metal Resurfacing Versus Total Hip Replacementâ€"the Value of a Randomized Clinical Trial. Orthopedic Clinics of North America, 2005, 36, 195-201.	0.5	42
28	Imaging Periprosthetic Osteolysis Around Total Knee Arthroplasties Using a Human Cadaver Model. Journal of Arthroplasty, 2012, 27, 1069-1074.	1.5	40
29	Measurement of Bone Defects Adjacent to Acetabular Components of Hip Replacement. Clinical Orthopaedics and Related Research, 2003, 412, 117-124.	0.7	38
30	Vancouver B2 Peri-Prosthetic Fractures in Cemented Femoral Implants can be Treated With Open Reduction and Internal Fixation Alone Without Revision. Journal of Arthroplasty, 2019, 34, 1430-1434.	1.5	37
31	Periprosthetic osteolysis after total hip replacement: molecular pathology and clinical management. Inflammopharmacology, 2013, 21, 389-396.	1.9	35
32	Aging Performance of a Compliant Layer Bearing Acetabular Prosthesis in an Ovine Hip Arthroplasty Model. Journal of Arthroplasty, 2006, 21, 899-906.	1.5	32
33	Peripheral wear of Wagner resurfacing hip arthroplasty acetabular components. Journal of Arthroplasty, 1991, 6, 103-107.	1.5	30
34	A method for production and characterization of metal prosthesis wear particles. Journal of Orthopaedic Research, 1993, 11, 856-864.	1.2	30
35	Predicting Perioperative Transfusion in Elective Hip and Knee Arthroplasty. Anesthesiology, 2017, 127, 317-325.	1.3	30
36	The Wear Rate of Highly Cross-Linked Polyethylene in Total Hip Replacement Is Not Increased by Large Articulations. Journal of Bone and Joint Surgery - Series A, 2016, 98, 1786-1793.	1.4	28

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37	Progression of Periacetabular Osteolytic Lesions. Journal of Bone and Joint Surgery - Series A, 2012, 94, e117.	1.4	27
38	Fractures of Modern High Nitrogen Stainless Steel Cemented Stems. Journal of Arthroplasty, 2008, 23, 188-196.	1.5	25
39	Mentoring in complex surgery: minimising the learning curve complications from peri-acetabular osteotomy. International Orthopaedics, 2012, 36, 921-925.	0.9	25
40	Does Cup-cage Reconstruction With Oversized Cups Provide Initial Stability in THA for Osteoporotic Acetabular Fractures?. Clinical Orthopaedics and Related Research, 2015, 473, 3811-3819.	0.7	24
41	The Stability of the Porous Tantalum Components Used in Revision THA to Treat Severe Acetabular Defects. Journal of Bone and Joint Surgery - Series A, 2018, 100, 1926-1933.	1.4	23
42	The accuracy and precision of radiostereometric analysis in monitoring tibial plateau fractures. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 81, 487-494.	1.2	22
43	Differentially Loaded Radiostereometric Analysis to Monitor Fracture Stiffness: A Feasibility Study. Clinical Orthopaedics and Related Research, 2009, 467, 1839-1847.	0.7	17
44	Accuracy of methods to measure femoral head penetration within metal-backed acetabular components. Journal of Orthopaedic Research, 2017, 35, 988-996.	1.2	17
45	Does Bone Wax Induce a Chronic Inflammatory Articular Reaction?. Clinical Orthopaedics and Related Research, 2012, 470, 3207-3212.	0.7	16
46	Advantages in Using Cemented Polished Tapered Stems When Performing Total Hip Arthroplasty in Very Young Patients. Journal of Arthroplasty, 2017, 32, 1227-1233.	1.5	14
47	Accuracy of EBRAâ€cup measurements after reconstruction of severe acetabular defects at revision THR. Journal of Orthopaedic Research, 2020, 38, 1497-1505.	1.2	11
48	Long-Term Survival and Reason for Revision of Wagner Resurfacing Hip Arthroplasty. Journal of Arthroplasty, 2010, 25, 522-528.	1.5	10
49	Plain Film and Arthrographic Findings in Painful Total Hip Arthroplasties with Surgical Correlation. Journal of Medical Imaging and Radiation Oncology, 1990, 34, 211-218.	0.6	9
50	The variation in hip stability measurements between supine and standing radiographs of dysplastic hips. Bone and Joint Journal, 2021, 103-B, 1662-1668.	1.9	9
51	Distribution of Periacetabular Osteolytic Lesions Varies According to Component Design. Journal of Arthroplasty, 2010, 25, 913-919.	1.5	8
52	The Effect of Hip Position on the Length of Trochanteric Muscles: Potential Implications for Early Postoperative Management of Hip Arthroplasty. Journal of Arthroplasty, 2012, 27, 953-960.e2.	1.5	7
53	Cemented Liner Exchange With Bone Grafting Halts the Progression of Periacetabular Osteolysis. Journal of Arthroplasty, 2014, 29, 822-826.	1.5	7
54	Long-Term Outcomes of Staged Revision Surgery for Chronic Periprosthetic Joint Infection of Total Hip Arthroplasty. Journal of Clinical Medicine, 2022, 11, 122.	1.0	7

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55	Femoral Bone Is Preserved Using Cemented Polished Stems in Young Patients. Clinical Orthopaedics and Related Research, 2012, 470, 3024-3031.	0.7	6
56	The Variability of the Volume of Os Coxae and Linear Pelvic Morphometry. Considerations for Total Hip Arthroplasty. Journal of Arthroplasty, 2014, 29, 769-776.	1.5	6
57	A Preclinical Study of Stem Subsidence and Graft Incorporation After Femoral Impaction Grafting Using Porous Hydroxyapatite as a Bone Graft Extender. Journal of Arthroplasty, 2011, 26, 1050-1056.	1.5	5
58	Altered Load Transfer in the Pelvis in the Presence of Periprosthetic Osteolysis. Journal of Biomechanical Engineering, 2014, 136, .	0.6	5
59	Highly Porous Tantalum Acetabular Components Without Ancillary Screws Have Similar Migration to Porous Titanium Acetabular Components With Screws at 2 Years: A Randomized Controlled Trial. Journal of Arthroplasty, 2020, 35, 2931-2937.	1.5	5
60	Acetabular Component Migration Measured Using Radiostereometric Analysis Following Revision Total Hip Arthroplasty. JBJS Reviews, 2020, 8, e0170-e0170.	0.8	4
61	Stem micromotion after femoral impaction grafting using irradiated allograft bone: A time zero in vitro study. Clinical Biomechanics, 2013, 28, 770-776.	0.5	3
62	Exposure of the Superior Gluteal Neurovascular Bundle for the Safe Application of Acetabular Reinforcement Cages in Complex Revisions. HIP International, 2016, 26, 307-309.	0.9	2
63	Early acetabular cartilage wear following hemiarthroplasty: An ovine model. Veterinary and Comparative Orthopaedics and Traumatology, 2016, 29, 125-130.	0.2	1
64	Unusual appearances following intracapsular neck of femur fractures. Injury, 2011, 42, 1336-1341.	0.7	0
65	Surgical Technique to Manage Periprosthetic Fractures of the Knee in Patients with Infected Leg Ulcers. JBJS Case Connector, 2019, 9, e0347-e0347.	0.1	0