

# Robert M Urban

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

3,653  
citations

236925

25  
h-index

345221

36  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2743  
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrosion of Metal Orthopaedic Implants*. Journal of Bone and Joint Surgery - Series A, 1998, 80, 268-282.	3.0	807
2	Dissemination of Wear Particles to the Liver, Spleen, and Abdominal Lymph Nodes of Patients with Hip or Knee Replacement*. Journal of Bone and Joint Surgery - Series A, 2000, 82, 457-477.	3.0	623
3	Adverse Local Tissue Reaction Arising from Corrosion at the Femoral Neck-Body Junction in a Dual-Taper Stem with a Cobalt-Chromium Modular Neck. Journal of Bone and Joint Surgery - Series A, 2013, 95, 865-872.	3.0	333
4	A quantitative study of bone and soft tissues in cementless porous-coated acetabular components retrieved at autopsy. Journal of Arthroplasty, 1993, 8, 213-225.	3.1	150
5	Metal-on-metal Bearing Surfaces. Journal of the American Academy of Orthopaedic Surgeons, The, 2009, 17, 69-76.	2.5	137
6	Accumulation in liver and spleen of metal particles generated at nonbearing surfaces in hip arthroplasty. Journal of Arthroplasty, 2004, 19, 94-101.	3.1	120
7	The Bone-Implant Interface of Femoral Stems with Non-Circumferential Porous Coating. A Study of Specimens Retrieved at Autopsy*. Journal of Bone and Joint Surgery - Series A, 1996, 78, 1068-81.	3.0	114
8	Can metal levels be used to monitor metal-on-metal hip arthroplasties?. Journal of Arthroplasty, 2004, 19, 59-65.	3.1	104
9	Modes of Wear After Semiconstrained Total Elbow Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2008, 90, 609-619.	3.0	103
10	Increased Bone Formation Using Calcium Sulfate-Calcium Phosphate Composite Graft. Clinical Orthopaedics and Related Research, 2007, 459, 110-117.	1.5	99
11	Modern Trunnions Are More Flexible: A Mechanical Analysis of THA Taper Designs. Clinical Orthopaedics and Related Research, 2014, 472, 3963-3970.	1.5	93
12	Early Failure of Metal-on-Metal Artificial Disc Prostheses Associated with Lymphocytic Reaction. Spine, 2011, 36, E492-E497.	2.0	92
13	Histology of porous-coated acetabular components: 25 cementless cups retrieved after arthroplasty. Acta Orthopaedica, 1993, 64, 619-626.	1.4	75
14	Mechanical, chemical and biological damage modes within head-neck tapers of CoCrMo and Ti6Al4V contemporary hip replacements. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 1672-1685.	3.4	68
15	Bone ingrowth and wear debris in well-fixed cementless porous-coated tibial components removed from patients. Journal of Arthroplasty, 1995, 10, 157-167.	3.1	63
16	Measuring the volume fraction of bone ingrowth: A comparison of three techniques. Journal of Orthopaedic Research, 1990, 8, 448-452.	2.3	62
17	Focal Osteolysis at the Junctions of a Modular Stainless-Steel Femoral Intramedullary Nail. Journal of Bone and Joint Surgery - Series A, 2001, 83, 537-548.	3.0	57
18	Serum titanium level for diagnosis of a failed, metal-backed patellar component. Journal of Arthroplasty, 2000, 15, 938-943.	3.1	55

#	ARTICLE	IF	CITATIONS
19	Does Surface Topography Play a Role in Taper Damage in Head-neck Modular Junctions?. Clinical Orthopaedics and Related Research, 2016, 474, 2232-2242.	1.5	49
20	AUTOPSY ANALYSIS THIRTY YEARS AFTER METAL-ON-METAL TOTAL HIP REPLACEMENT. Journal of Bone and Joint Surgery - Series A, 2003, 85, 2218-2222.	3.0	40
21	Backsurface Wear and Deformation in Polyethylene Tibial Inserts Retrieved Postmortem. Clinical Orthopaedics and Related Research, 2002, 404, 14-23.	1.5	39
22	Successful Long-Term Fixation and Progression of Osteolysis Associated with First-Generation Cementless Acetabular Components Retrieved Post Mortem. Journal of Bone and Joint Surgery - Series A, 2012, 94, 1877-1885.	3.0	39
23	Bone ingrowth into the tibial component of a canine total condylar knee replacement prosthesis. Journal of Orthopaedic Research, 1989, 7, 893-901.	2.3	38
24	Alloy Microstructure Dictates Corrosion Modes in THA Modular Junctions. Clinical Orthopaedics and Related Research, 2017, 475, 3026-3043.	1.5	37
25	Nanoscale surface modification by anodic oxidation increased bone ingrowth and reduced fibrous tissue in the porous coating of titanium alloy femoral hip arthroplasty implants. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 283-290.	3.4	29
26	Effects of Altered Crystalline Structure and Increased Initial Compressive Strength of Calcium Sulfate Bone Graft Substitute Pellets on New Bone Formation. Orthopedics, 2004, 27, s113-8.	1.1	24
27	Bone Ingrowth Through Porous Titanium Granulate Around a Femoral Stem. Upsala Journal of Medical Sciences, 2007, 112, 191-197.	0.9	22
28	Implantation of the Femoral Stem into a Bed of Titanium Granules Using Vibration. Upsala Journal of Medical Sciences, 2007, 112, 183-189.	0.9	22
29	How Does Wear Rate Compare in Well-functioning Total Hip and Knee Replacements? A Postmortem Polyethylene Liner Study. Clinical Orthopaedics and Related Research, 2016, 474, 1867-1875.	1.5	21
30	Postmortem retrieval of total joint replacement components. , 1999, 48, 385-391.		18
31	Corrosion of Modular Junctions in Femoral and Acetabular Components for Hip Arthroplasty and Its Local and Systemic Effects. , 2015, , 410-427.		18
32	An Injectable Calcium Sulfate-Based Bone Graft Putty Using Hydroxypropylmethylcellulose as the Plasticizer. Orthopedics, 2004, 27, s155-9.	1.1	17
33	Adverse Local Tissue Responses to Failed Temporomandibular Joint Implants. Journal of Oral and Maxillofacial Surgery, 2017, 75, 2076-2084.	1.2	14
34	Metal wear particles in hematopoietic marrow of the axial skeleton in patients with prior revision for mechanical failure of a hip or knee arthroplasty. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 1930-1936.	3.4	14
35	Adverse Local Tissue Reaction due to Mechanically Assisted Crevice Corrosion Presenting as Late Instability Following Metal-on-Polyethylene Total Hip Arthroplasty. Journal of Arthroplasty, 2020, 35, 2666-2670.	3.1	14
36	Contact Mechanics and Plastic Deformation at the Local Surface Topography Level After Assembly of Modular Head-Neck Junctions in Modern Total Hip Replacement Devices. , 2015, , 59-82.		11

#	ARTICLE	IF	CITATIONS
37	Implantation of a Titanium Partial Limb Prosthesis in a White-Naped Crane ( <i>Grus vipio</i> )., 2012, 26, 167-175.		10
38	Fourier transform infrared spectroscopic imaging of wear and corrosion products within joint capsule tissue from total hip replacements patients. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 513-526.	3.4	10
39	Healing bone lesion defects using injectable CaSO <sub>4</sub> /CaPO <sub>4</sub> â€TCP bone graft substitute compared to cancellous allograft bone chips in a canine model. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 408-414.	3.4	7
40	Aseptic Lymphocytic-Dominated Vasculitis-Associated Lesions Scores Do Not Correlate With Metal Ion Levels or Unreadable Synovial Fluid White Blood Cell Counts. Journal of Arthroplasty, 2017, 32, 1340-1343.	3.1	5