Robert M Urban

List of Publications by Year
in descending order

40 papers	3,653 citations	270111 25 h-index	388640 36 g-index
40 all docs	40 docs citations	40 times ranked	2930 citing authors

#	Article	IF	Citations
1	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.	1.6	10
2	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.	1.5	14
3	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.	1.6	14
4	Healing bone lesion defects using injectable <scp>C</scp>a<scp>SO</scp>₄/<scp>C</scp>a<scp>PO</scp>₄â€<scp>TCP</scp> 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.	1.6	7
5	Mechanical, chemical and biological damage modes within headâ€neck tapers of CoCrMo and Ti6Al4V contemporary hip replacements. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 1672-1685.	1.6	68
6	Nanoscale surface modification by anodic oxidation increased bone ingrowth and reduced fibrous tissue in the porous coating of titaniumâ€“alloy femoral hip arthroplasty implants. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 283-290.	1.6	29
7	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.	1.5	5
8	Adverse Local Tissue Responses to Failed Temporomandibular Joint Implants. Journal of Oral and Maxillofacial Surgery, 2017, 75, 2076-2084.	0.5	14
9	Alloy Microstructure Dictates Corrosion Modes in THA Modular Junctions. Clinical Orthopaedics and Related Research, 2017, 475, 3026-3043.	0.7	37
10	Does Surface Topography Play a Role in Taper Damage in Head-neck Modular Junctions?. Clinical Orthopaedics and Related Research, 2016, 474, 2232-2242.	0.7	49
11	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.	0.7	21
12	Corrosion of Modular Junctions in Femoral and Acetabular Components for Hip Arthroplasty and Its Local and Systemic Effects. , 2015, , 410-427.		18
13	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
14	Modern Trunnions Are More Flexible: A Mechanical Analysis of THA Taper Designs. Clinical Orthopaedics and Related Research, 2014, 472, 3963-3970.	0.7	93
15	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.	1.4	333
16	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.	1.4	39
17	Implantation of a Titanium Partial Limb Prosthesis in a White-Naped Crane (Grus vipio). , 2012, 26, 167-175.		10
18	Early Failure of Metal-on-Metal Artificial Disc Prostheses Associated with Lymphocytic Reaction. Spine, 2011, 36, E492-E497.	1.0	92

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19	Metal-on-metal Bearing Surfaces. Journal of the American Academy of Orthopaedic Surgeons, The, 2009, 17, 69-76.	1.1	137
20	Modes of Wear After Semiconstrained Total Elbow Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2008, 90, 609-619.	1.4	103
21	Increased Bone Formation Using Calcium Sulfate-Calcium Phosphate Composite Graft. Clinical Orthopaedics and Related Research, 2007, 459, 110-117.	0.7	99
22	Bone Ingrowth Through Porous Titanium Granulate Around a Femoral Stem. Upsala Journal of Medical Sciences, 2007, 112, 191-197.	0.4	22
23	Implantation of the Femoral Stem into a Bed of Titanium Granules Using Vibration. Upsala Journal of Medical Sciences, 2007, 112, 183-189.	0.4	22
24	Accumulation in liver and spleen of metal particles generated at nonbearing surfaces in hip arthroplasty. Journal of Arthroplasty, 2004, 19, 94-101.	1.5	120
25	Can metal levels be used to monitor metal-on-metal hip arthroplasties?. Journal of Arthroplasty, 2004, 19, 59-65.	1.5	104
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.	0.5	24
27	An Injectable Calcium Sulfate-Based Bone Graft Putty Using Hydroxypropylmethylcellulose as the Plasticizer. Orthopedics, 2004, 27, s155-9.	0.5	17
28	AUTOPSY ANALYSIS THIRTY YEARS AFTER METAL-ON-METAL TOTAL HIP REPLACEMENT. Journal of Bone and Joint Surgery - Series A, 2003, 85, 2218-2222.	1.4	40
29	Backsurface Wear and Deformation in Polyethylene Tibial Inserts Retrieved Postmortem. Clinical Orthopaedics and Related Research, 2002, 404, 14-23.	0.7	39
30	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.	1.4	57
31	Serum titanium level for diagnosis of a failed, metal-backed patellar component. Journal of Arthroplasty, 2000, 15, 938-943.	1.5	55
32	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.	1.4	623
33	Postmortem retrieval of total joint replacement components. , 1999, 48, 385-391.		18
34	Corrosion of Metal Orthopaedic Implants*. Journal of Bone and Joint Surgery - Series A, 1998, 80, 268-282.	1.4	807
35	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.	1.4	114
36	Bone ingrowth and wear debris in well-fixed cementless porous-coated tibial components removed from patients. Journal of Arthroplasty, 1995, 10, 157-167.	1.5	63

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37	Histology of porous-coated acetabular components: 25 cementless cups retrieved after arthroplasty. Acta Orthopaedica, 1993, 64, 619-626.	1.4	75
38	A quantitative study of bone and soft tissues in cementless porous-coated acetabular components retrieved at autopsy. Journal of Arthroplasty, 1993, 8, 213-225.	1.5	150
39	Measuring the volume fraction of bone ingrowth: A comparison of three techniques. Journal of Orthopaedic Research, 1990, 8, 448-452.	1.2	62
40	Bone ingrowth into the tibial component of a canine total condylar knee replacement prosthesis. Journal of Orthopaedic Research, 1989, 7, 893-901.	1.2	38