

# Thomas M. Randau

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

1,010  
citations

471371

17  
h-index

454834

30  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1381  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interleukin-6 in Serum and in Synovial Fluid Enhances the Differentiation between Periprosthetic Joint Infection and Aseptic Loosening. PLoS ONE, 2014, 9, e89045.	1.1	110
2	Polymicrobial infections reduce the cure rate in prosthetic joint infections: outcome analysis with two-stage exchange and follow-up 2 years. International Orthopaedics, 2016, 40, 1367-1373.	0.9	70
3	Impact of the COVID-19 Pandemic on Orthopaedic and Trauma Surgery in University Hospitals in Germany. Journal of Bone and Joint Surgery - Series A, 2020, 102, e78.	1.4	64
4	Evaluation of an interdisciplinary therapy algorithm in patients with prosthetic joint infections. International Orthopaedics, 2013, 37, 2271-2278.	0.9	61
5	Validation of the Charlson comorbidity index in patients undergoing revision total hip arthroplasty. International Orthopaedics, 2015, 39, 1771-1777.	0.9	55
6	Unyvero i60 implant and tissue infection (ITI) multiplex PCR system in diagnosing periprosthetic joint infection. Journal of Microbiological Methods, 2016, 121, 27-32.	0.7	48
7	Management of severe periacetabular bone loss combined with pelvic discontinuity in revision hip arthroplasty. International Orthopaedics, 2014, 38, 2455-2461.	0.9	45
8	Evidence of MRSE on a gentamicin and vancomycin impregnated polymethyl-methacrylate (PMMA) bone cement spacer after two-stage exchange arthroplasty due to periprosthetic joint infection of the knee. BMC Infectious Diseases, 2014, 14, 144.	1.3	44
9	Expression of miR-146a, miR-155, and miR-223 in formalin-fixed paraffin-embedded synovial tissues of patients with rheumatoid arthritis and osteoarthritis. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2016, 469, 93-100.	1.4	39
10	Impaction grafting in the femur in cementless modular revision total hip arthroplasty: a descriptive outcome analysis of 243 cases with the MRP-TITAN revision implant. BMC Musculoskeletal Disorders, 2013, 14, 19.	0.8	38
11	Lipopolysaccharide-binding protein: A valuable biomarker in the differentiation between periprosthetic joint infection and aseptic loosening?. International Orthopaedics, 2014, 38, 2201-2207.	0.9	32
12	The Effect of Dexamethasone and Triiodothyronine on Terminal Differentiation of Primary Bovine Chondrocytes and Chondrogenically Differentiated Mesenchymal Stem Cells. PLoS ONE, 2013, 8, e72973.	1.1	28
13	Two-stage knee arthrodesis with a modular intramedullary nail due to septic failure of revision total knee arthroplasty with extensor mechanism deficiency. Knee, 2017, 24, 1240-1246.	0.8	26
14	Collateral effect of COVID-19 on orthopedic and trauma surgery. PLoS ONE, 2020, 15, e0238759.	1.1	26
15	Comparison of bacterial growth in sonication fluid cultures with periprosthetic membranes and with cultures of biopsies for diagnosing periprosthetic joint infection. Diagnostic Microbiology and Infectious Disease, 2016, 84, 112-115.	0.8	24
16	Molecular and Functional Phenotypes of Human Bone Marrow-Derived Mesenchymal Stromal Cells Depend on Harvesting Techniques. International Journal of Molecular Sciences, 2020, 21, 4382.	1.8	22
17	Acetabular defect reconstruction in revision hip arthroplasty with a modular revision system and biological defect augmentation. International Orthopaedics, 2015, 39, 623-630.	0.9	21
18	Difficult-to-treat pathogens significantly reduce infection resolution in periprosthetic joint infections. Diagnostic Microbiology and Infectious Disease, 2020, 98, 115114.	0.8	18

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19	Monoflanged Custom-Made Acetabular Components Promote Biomechanical Restoration of Severe Acetabular Bone Defects by Metallic Defect Reconstruction. <i>Journal of Arthroplasty</i> , 2020, 35, 831-835.	1.5	15
20	Acetabular defects in revision hip arthroplasty: a therapy-oriented classification. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2020, 140, 815-825.	1.3	14
21	Characterization and Comparison of Human and Ovine Mesenchymal Stromal Cells from Three Corresponding Sources. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2310.	1.8	14
22	RANK-ligand and osteoprotegerin as biomarkers in the differentiation between periprosthetic joint infection and aseptic prosthesis loosening. <i>World Journal of Orthopedics</i> , 2017, 8, 342.	0.8	14
23	Immunofluorescence analysis of sensory nerve endings in the interosseous membrane of the forearm. <i>Journal of Anatomy</i> , 2020, 236, 906-915.	0.9	13
24	High-Dimensional Analysis of Immune Cell Composition Predicts Periprosthetic Joint Infections and Dissects Its Pathophysiology. <i>Biomedicines</i> , 2020, 8, 358.	1.4	12
25	The psychological burden of a two-stage exchange of infected total hip and knee arthroplasties. <i>Journal of Health Psychology</i> , 2022, 27, 470-480.	1.3	12
26	Investigation of neutrophilic peptides in periprosthetic tissue by matrix-assisted laser desorption ionisation time-of-flight imaging mass spectrometry. <i>International Orthopaedics</i> , 2015, 39, 559-567.	0.9	10
27	Novel Diagnostics in Revision Arthroplasty: Implant Sonication and Multiplex Polymerase Chain Reaction. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	10
28	Outcome Predictors in Prosthetic Joint Infections--Validation of a risk stratification score for Prosthetic Joint Infections in 120 cases. <i>Acta Orthopaedica Belgica</i> , 2016, 82, 143-8.	0.1	10
29	Detection of <i>Pantoea</i> agglomerans in hip prosthetic infection by sonication of the removed prosthesis: The first reported case. <i>Technology and Health Care</i> , 2013, 21, 613-618.	0.5	9
30	Spondylitis " Spondylodiscitis " an Update. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2019, 157, 132-143.	0.4	9
31	Pre-operative intra-articular deep tissue sampling with novel retrograde forceps improves the diagnostics in periprosthetic joint infection. <i>International Orthopaedics</i> , 2017, 41, 1355-1359.	0.9	8
32	Femoral defects in revision hip arthroplasty: a therapy-oriented classification. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2021, , 1.	1.3	8
33	Spacer usage in prosthetic joint infections does not influence infect resolution: Retrospective analysis of 120 joints with two-stage exchange. <i>Journal of Infection</i> , 2013, 67, 82-84.	1.7	7
34	Extracellular Vesicle Isolation and Characterization from Periprosthetic Joint Synovial Fluid in Revision Total Joint Arthroplasty. <i>Journal of Clinical Medicine</i> , 2020, 9, 516.	1.0	7
35	The Influence of Iodine-Impregnated Incision Drapes on the Bacterial Contamination of Scalpel Blades in Joint Arthroplasty. <i>Journal of Arthroplasty</i> , 2020, 35, 2595-2600.	1.5	7
36	Postoperative Medical Complications and Intermediate Care Unit/Intensive Care Unit Admission in Joint Replacement Surgery: A Prospective Risk Model. <i>Journal of Arthroplasty</i> , 2019, 34, 717-722.	1.5	6

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37	Vertebral Bone Marrow-Derived Mesenchymal Stromal Cells from Osteoporotic and Healthy Patients Possess Similar Differentiation Properties In Vitro. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8309.	1.8	6
38	Microbiological Profiles of Patients with Periprosthetic Joint Infection of the Hip or Knee. <i>Diagnostics</i> , 2022, 12, 1654.	1.3	6
39	Activity of ceftobiprole against <i>Staphylococcus spec.</i> isolates derived from foreign body associated infections. <i>Diagnostic Microbiology and Infectious Disease</i> , 2018, 91, 175-178.	0.8	5
40	The use of negative pressure wound therapy increases failure rate in debridement and implant retention for acute prosthetic joint infection. <i>Technology and Health Care</i> , 2020, 28, 721-731.	0.5	5
41	sCD28, sCD80, sCTLA-4, and sBTLA Are Promising Markers in Diagnostic and Therapeutic Approaches for Aseptic Loosening and Periprosthetic Joint Infection. <i>Frontiers in Immunology</i> , 2021, 12, 687065.	2.2	5
42	Conversion of cemented revision total knee prostheses to arthrodesis using custom-made arthrodesis modules that preserve the cemented stem anchorage in patients with long-established extensor mechanism insufficiency: A case series. <i>Knee</i> , 2019, 26, 1117-1124.	0.8	4
43	A case series of cementless revision total knee arthroplasty in patients with benzoyl peroxide allergy. <i>International Orthopaedics</i> , 2019, 43, 2323-2331.	0.9	4
44	The Performance of a Dithiothreitol-Based Diagnostic System in Diagnosing Periprosthetic Joint Infection Compared to Sonication Fluid Cultures and Tissue Biopsies. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2020, 159, 447-453.	0.4	4
45	Risk factors for implant failure of custom-made acetabular implants in patients with Paprosky III acetabular bone loss and combined pelvic discontinuity. <i>Technology and Health Care</i> , 2022, 30, 703-711.	0.5	4
46	Outcome of repeated multi-stage arthroplasty with custom-made acetabular implants in patients with severe acetabular bone loss: a case series. <i>HIP International</i> , 2020, 30, 64-71.	0.9	3
47	Synovial Complement Factors in Patients with Periprosthetic Joint Infection after Undergoing Revision Arthroplasty of the Hip or Knee Joint. <i>Diagnostics</i> , 2021, 11, 434.	1.3	3
48	Increased rate of enteric bacteria as cause of periprosthetic joint infections in patients with liver cirrhosis. <i>BMC Infectious Diseases</i> , 2022, 22, 389.	1.3	3
49	Use of a Negative-Pressure Wound Dressing to Prevent Surgical Site Complications after Revision Knee Arthroplasty—A Randomized Controlled Trial. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9102.	1.3	1
50	Causes of Primary Total Hip Arthroplasty in Active Duty Soldiers—Are Recurrent Medical Assessments Associated With Reduced Rates of Secondary Osteoarthritis in This Population?. <i>Military Medicine</i> , 2016, 181, e1657-e1660.	0.4	0
51	Characterization of synovial fluid from periprosthetic infection in revision total joint arthroplasty by single-molecule microscopy. <i>Journal of Orthopaedic Research</i> , 2020, 38, 1359-1364.	1.2	0
52	Open Access Redefined: Survey Data and Literature Study on the Impact of Sci-Hub in Orthopaedic Research. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2022, , .	0.4	0
53	Collateral effect of COVID-19 on orthopedic and trauma surgery. , 2020, 15, e0238759.		0
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55	Collateral effect of COVID-19 on orthopedic and trauma surgery. , 2020, 15, e0238759.		0
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