

# Edward M Schwarz

## List of Publications by Year in descending order

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Version: 2024-02-01

322  
papers

20,530  
citations

6613

79  
h-index

15732

125  
g-index

327  
all docs

327  
docs citations

327  
times ranked

19070  
citing authors

#	ARTICLE	IF	CITATIONS
1	A high-throughput semi-automated bone segmentation workflow for murine hindpaw micro-CT datasets. <i>Bone Reports</i> , 2022, 16, 101167.	0.4	10
2	Skeletal infections: microbial pathogenesis, immunity and clinical management. <i>Nature Reviews Microbiology</i> , 2022, 20, 385-400.	28.6	165
3	PTH-Induced Bone Regeneration and Vascular Modulation Are Both Dependent on Endothelial Signaling. <i>Cells</i> , 2022, 11, 897.	4.1	4
4	Single-cell transcriptomics of popliteal lymphatic vessels and peripheral veins reveals altered lymphatic muscle and immune cell populations in the TNF-Tg arthritis model. <i>Arthritis Research and Therapy</i> , 2022, 24, 64.	3.5	9
5	Relapsed boyhood tibia polymicrobial osteomyelitis linked to dermatophytosis: a case report. <i>BMC Surgery</i> , 2022, 22, 156.	1.3	2
6	Clinical utilization of species-specific immunoassays for identification of <i>Staphylococcus aureus</i> and <i>Streptococcus agalactiae</i> in orthopaedic infections. <i>Journal of Orthopaedic Research</i> , 2021, 39, 2141-2150.	2.3	3
7	Bacterial toxins in musculoskeletal infections. <i>Journal of Orthopaedic Research</i> , 2021, 39, 240-250.	2.3	7
8	Adjuvant antibiotic-loaded bone cement: Concerns with current use and research to make it work. <i>Journal of Orthopaedic Research</i> , 2021, 39, 227-239.	2.3	63
9	Species-Specific Immunoassay Aids Identification of Pathogen and Tracks Infectivity in Foot Infection. <i>Foot and Ankle International</i> , 2021, 42, 363-372.	2.3	2
10	Emerging electron microscopy and 3D methodologies to interrogate <i>Staphylococcus aureus</i> osteomyelitis in murine models. <i>Journal of Orthopaedic Research</i> , 2021, 39, 376-388.	2.3	5
11	Lymphatic muscle cells contribute to dysfunction of the synovial lymphatic system in inflammatory arthritis in mice. <i>Arthritis Research and Therapy</i> , 2021, 23, 58.	3.5	12
12	Humanized Mice Exhibit Exacerbated Abscess Formation and Osteolysis During the Establishment of Implant-Associated <i>Staphylococcus aureus</i> Osteomyelitis. <i>Frontiers in Immunology</i> , 2021, 12, 651515.	4.8	14
13	Interleukin-27 and Its Diverse Effects on Bacterial Infections. <i>Frontiers in Immunology</i> , 2021, 12, 678515.	4.8	19
14	Increased myocellular lipid and IGFBP3 expression in a pre-clinical model of pancreatic cancer-related skeletal muscle wasting. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 731-745.	7.3	8
15	Development of Bisphosphonate-Conjugated Antibiotics to Overcome Pharmacodynamic Limitations of Local Therapy: Initial Results with Carbamate Linked Sitafloxacin and Tedizolid. <i>Antibiotics</i> , 2021, 10, 732.	3.7	10
16	<i>Staphylococcus aureus</i> Cell Wall Biosynthesis Modulates Bone Invasion and Osteomyelitis Pathogenesis. <i>Frontiers in Microbiology</i> , 2021, 12, 723498.	3.5	19
17	Ex vivo Demonstration of Functional Deficiencies in Popliteal Lymphatic Vessels From TNF-Transgenic Mice With Inflammatory Arthritis. <i>Frontiers in Physiology</i> , 2021, 12, 745096.	2.8	13
18	Introduction for the <i>Journal of Orthopaedic Research</i> Special Issue on musculoskeletal infection. <i>Journal of Orthopaedic Research</i> , 2021, 39, 225-226.	2.3	0

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19	Distinct vasculotropic versus osteotropic features of <i>S. agalactiae</i> versus <i>S. aureus</i> implant-associated bone infection in mice. <i>Journal of Orthopaedic Research</i> , 2021, 39, 389-401.	2.3	12
20	Antimicrobial Resistance, the COVID-19 Pandemic, and Lessons for the Orthopaedic Community. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 4-9.	3.0	8
21	Quantitative flow chamber system for evaluating in vitro biofilms and the kinetics of <i>S. aureus</i> biofilm formation in human plasma media. <i>BMC Microbiology</i> , 2021, 21, 314.	3.3	0
22	American Society for Bone and Mineral Research-Orthopaedic Research Society Joint Task Force Report on Cell-Based Therapies. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 3-17.	2.8	11
23	Biofilm Producing <i>Staphylococcus epidermidis</i> (RP62A Strain) Inhibits Osseous Integration Without Osteolysis and Histopathology in a Murine Septic Implant Model. <i>Journal of Orthopaedic Research</i> , 2020, 38, 852-860.	2.3	17
24	Lineage tracing reveals evidence of a popliteal lymphatic muscle progenitor cell that is distinct from skeletal and vascular muscle progenitors. <i>Scientific Reports</i> , 2020, 10, 18088.	3.3	12
25	Altered Lymphatic Vessel Anatomy and Markedly Diminished Lymph Clearance in Affected Hands of Patients With Active Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , 2020, 72, 1447-1455.	5.6	21
26	Tumor Necrosis Factor Induces Obliterative Pulmonary Vascular Disease in a Novel Model of Connective Tissue Disease-Associated Pulmonary Arterial Hypertension. <i>Arthritis and Rheumatology</i> , 2020, 72, 1759-1770.	5.6	14
27	CORR Insights®: Does the Alpha Defensin ELISA Test Perform Better Than the Alpha Defensin Lateral Flow Test for PJI Diagnosis? A Systematic Review and Meta-analysis of Prospective Studies. <i>Clinical Orthopaedics and Related Research</i> , 2020, 478, 1345-1347.	1.5	0
28	Teriparatide (recombinant parathyroid hormone 1-34) enhances bone allograft integration in a clinically relevant pig model of segmental mandibulectomy. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1037-1049.	2.7	4
29	Dual Energy X-ray Absorptiometry (DEXA) as a longitudinal outcome measure of cancer-related muscle wasting in mice. <i>PLoS ONE</i> , 2020, 15, e0230695.	2.5	6
30	New developments and future challenges in prevention, diagnosis, and treatment of prosthetic joint infection. <i>Journal of Orthopaedic Research</i> , 2020, 38, 1423-1435.	2.3	19
31	TNF-Polarized Macrophages Produce Insulin-like 6 Peptide to Stimulate Bone Formation in Rheumatoid Arthritis in Mice. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 2426-2439.	2.8	10
32	American Society for Bone and Mineral Research-Orthopaedic Research Society Joint Task Force Report on Cell-Based Therapies - Secondary Publication. <i>Journal of Orthopaedic Research</i> , 2020, 38, 485-502.	2.3	7
33	IsdB antibody-mediated sepsis following <i>S. aureus</i> surgical site infection. <i>JCI Insight</i> , 2020, 5, .	5.0	23
34	Identification of Penicillin Binding Protein 4 (PBP4) as a critical factor for <i>Staphylococcus aureus</i> bone invasion during osteomyelitis in mice. <i>PLoS Pathogens</i> , 2020, 16, e1008988.	4.7	32
35	Lack of Humoral Immunity Against Glucosaminidase Is Associated with Postoperative Complications in <i>Staphylococcus aureus</i> Osteomyelitis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 1842-1848.	3.0	17
36	A Bioinformatic Approach to Utilize a Patient's Antibody-Secreting Cells against <i>Staphylococcus aureus</i> to Detect Challenging Musculoskeletal Infections. <i>ImmunoHorizons</i> , 2020, 4, 339-351.	1.8	11

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37	Use of Fitbit Data to Evaluate the Effects of an Athletic Performance and Injury Prevention Training Program on Daily Physical Levels in Underrepresented Minority Female High School Athletes: A Prospective Study. <i>Orthopedics and Sports Medicine: Open Access Journal</i> , 2020, 4, 370-376.	0.3	1
38	What Are the Immune Responses That Allow Us to Live With Incurable Bone Infection, and How Can They Be Augmented to Improve Outcomes After Prosthetic Joint Infection?. <i>Journal of Bone and Mineral Research</i> , 2020, 37, 824-825.	2.8	1
39	Attenuated Joint Tissue Damage Associated With Improved Synovial Lymphatic Function Following Treatment With Bortezomib in a Mouse Model of Experimental Posttraumatic Osteoarthritis. <i>Arthritis and Rheumatology</i> , 2019, 71, 244-257.	5.6	26
40	Evolving concepts in bone infection: redefining "biofilm", "acute vs. chronic osteomyelitis", "the immune proteome" and "local antibiotic therapy". <i>Bone Research</i> , 2019, 7, 20.	11.4	300
41	Restrictive lung disease in TNF-transgenic mice: correlation of pulmonary function testing and micro-CT imaging. <i>Experimental Lung Research</i> , 2019, 45, 175-187.	1.2	11
42	Avian Reticuloendotheliosis Viral Oncogene Related B Regulates Lymphatic Endothelial Cells during Vessel Maturation and Is Required for Lymphatic Vessel Function in Adult Mice. <i>American Journal of Pathology</i> , 2019, 189, 2516-2530.	3.8	3
43	2018 international consensus meeting on musculoskeletal infection: Summary from the biofilm workgroup and consensus on biofilm related musculoskeletal infections. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1007-1017.	2.3	113
44	An in vitro platform for elucidating the molecular genetics of <i>S. aureus</i> invasion of the osteocyte lacuno-canalicular network during chronic osteomyelitis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 21, 102039.	3.3	28
45	2018 International Consensus Meeting on Musculoskeletal Infection: Research Priorities from the General Assembly Questions. <i>Journal of Orthopaedic Research</i> , 2019, 37, 997-1006.	2.3	189
46	Evidence of differential microbiomes in healing versus non-healing diabetic foot ulcers prior to and following foot salvage therapy. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1596-1603.	2.3	28
47	Calcium Phosphate Spacers for the Local Delivery of Sifalofloxacin and Rifampin to Treat Orthopedic Infections: Efficacy and Proof of Concept in a Mouse Model of Single-Stage Revision of Device-Associated Osteomyelitis. <i>Pharmaceutics</i> , 2019, 11, 94.	4.5	27
48	Selective Sexual Dimorphisms in Musculoskeletal and Cardiopulmonary Pathologic Manifestations and Mortality Incidence in the Tumor Necrosis Factor-Transgenic Mouse Model of Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , 2019, 71, 1512-1523.	5.6	24
49	iNOS dependent and independent phases of lymph node expansion in mice with TNF-induced inflammatory-erosive arthritis. <i>Arthritis Research and Therapy</i> , 2019, 21, 240.	3.5	16
50	TNF-Induced Interstitial Lung Disease in a Murine Arthritis Model: Accumulation of Activated Monocytes, Conventional Dendritic Cells, and CD21 <sup>+</sup> /CD23 <sup>+</sup> B Cell Follicles Is Prevented with Anti-TNF Therapy. <i>Journal of Immunology</i> , 2019, 203, 2837-2849.	0.8	21
51	Mechanisms of Immune Evasion and Bone Tissue Colonization That Make <i>Staphylococcus aureus</i> the Primary Pathogen in Osteomyelitis. <i>Current Osteoporosis Reports</i> , 2019, 17, 395-404.	3.6	94
52	General Assembly, Prevention, Risk Mitigation, General Factors: Proceedings of International Consensus on Orthopedic Infections. <i>Journal of Arthroplasty</i> , 2019, 34, S55-S59.	3.1	14
53	General Assembly, Prevention, Host Risk Mitigation - General Factors: Proceedings of International Consensus on Orthopedic Infections. <i>Journal of Arthroplasty</i> , 2019, 34, S43-S48.	3.1	16
54	Rinterpreting Evidence of Rheumatoid Arthritis-Associated Interstitial Lung Disease to Understand Etiology. <i>Current Rheumatology Reviews</i> , 2019, 15, 277-289.	0.8	23

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55	Use of PROMIS and Functional Movement System (FMS) Testing to Evaluate the Effects of Athletic Performance and Injury Prevention Training in Female High School Athletes. <i>Orthopedics and Sports Medicine: Open Access Journal</i> , 2019, 3, 255-258.	0.3	1
56	Immunotherapy synergizes with debridement and antibiotic therapy in a murine 1-stage exchange model of MRSA implant-associated osteomyelitis. <i>Journal of Orthopaedic Research</i> , 2018, 36, 1590-1598.	2.3	37
57	Chronic Osteomyelitis with <i>Staphylococcus aureus</i> Deformation in Submicron Canaliculi of Osteocytes. <i>JBJS Case Connector</i> , 2018, 8, e8-e8.	0.3	76
58	Teriparatide (human PTH1-34) compensates for impaired fracture healing in COX-2 deficient mice. <i>Bone</i> , 2018, 110, 150-159.	2.9	14
59	Targeting lymphatic function as a novel therapeutic intervention for rheumatoid arthritis. <i>Nature Reviews Rheumatology</i> , 2018, 14, 94-106.	8.0	99
60	Osteoblast-osteoclast interactions. <i>Connective Tissue Research</i> , 2018, 59, 99-107.	2.3	575
61	Obesity/type 2 diabetes increases inflammation, periosteal reactive bone formation, and osteolysis during <i>Staphylococcus aureus</i> implant-associated bone infection. <i>Journal of Orthopaedic Research</i> , 2018, 36, 1614-1623.	2.3	30
62	A High-Throughput Screening Approach To Repurpose FDA-Approved Drugs for Bactericidal Applications against <i>Staphylococcus aureus</i> Small-Colony Variants. <i>MSphere</i> , 2018, 3, .	2.9	31
63	Tracking Anti- <i>Staphylococcus aureus</i> Antibodies Produced <i>In Vivo</i> and <i>Ex Vivo</i> during Foot Salvage Therapy for Diabetic Foot Infections Reveals Prognostic Insights and Evidence of Diversified Humoral Immunity. <i>Infection and Immunity</i> , 2018, 86, .	2.2	30
64	A Festschrift in Honor of Edward M. Messing, MD, FACS. <i>Bladder Cancer</i> , 2018, 4, S1-S43.	0.4	0
65	Exacerbated <i>Staphylococcus aureus</i> Foot Infections in Obese/Diabetic Mice Are Associated with Impaired Germinal Center Reactions, Ig Class Switching, and Humoral Immunity. <i>Journal of Immunology</i> , 2018, 201, 560-572.	0.8	21
66	<i>Staphylococcus aureus</i> Evasion of Host Immunity in the Setting of Prosthetic Joint Infection: Biofilm and Beyond. <i>Current Reviews in Musculoskeletal Medicine</i> , 2018, 11, 389-400.	3.5	107
67	Longitudinal micro-CT as an outcome measure of interstitial lung disease in TNF-transgenic mice. <i>PLoS ONE</i> , 2018, 13, e0190678.	2.5	35
68	The Role of Systemic Inflammation in Cancer-Associated Muscle Wasting and Rationale for Exercise as a Therapeutic Intervention. <i>JCSM Clinical Reports</i> , 2018, 3, .	1.3	23
69	3D Printing of Calcium Phosphate Ceramics for Bone Tissue Engineering and Drug Delivery. <i>Annals of Biomedical Engineering</i> , 2017, 45, 23-44.	2.5	271
70	Brief Report: Treatment of Tumor Necrosis Factor-Transgenic Mice With Anti-Tumor Necrosis Factor Restores Lymphatic Contractions, Repairs Lymphatic Vessels, and May Increase Monocyte/Macrophage Egress. <i>Arthritis and Rheumatology</i> , 2017, 69, 1187-1193.	5.6	35
71	Confirmation of Sexual Dimorphisms in Metal Hypersensitivity and Joint Pain Following Total Joint Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, e41.	3.0	0
72	Teriparatide Treatment Improves Bone Defect Healing Via Anabolic Effects on New Bone Formation and Non-Anabolic Effects on Inhibition of Mast Cells in a Murine Cranial Window Model. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 1870-1883.	2.8	27

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73	Adaptive Upregulation of Clumping Factor A (ClfA) by Staphylococcus aureus in the Obese, Type 2 Diabetic Host Mediates Increased Virulence. Infection and Immunity, 2017, 85, .	2.2	33
74	Evidence of Staphylococcus Aureus Deformation, Proliferation, and Migration in Canaliculi of Live Cortical Bone in Murine Models of Osteomyelitis. Journal of Bone and Mineral Research, 2017, 32, 985-990.	2.8	193
75	Surface topography of silicon nitride affects antimicrobial and osseointegrative properties of tibial implants in a murine model. Journal of Biomedical Materials Research - Part A, 2017, 105, 3413-3421.	4.0	56
76	Utilization of longitudinal ultrasound to quantify joint soft-tissue changes in a mouse model of posttraumatic osteoarthritis. Bone Research, 2017, 5, 17012.	11.4	11
77	Dendritic Cell-Specific Transmembrane Protein (DC-STAMP) Regulates Osteoclast Differentiation via the Ca <sup>2+</sup> /NFATc1 Axis. Journal of Cellular Physiology, 2017, 232, 2538-2549.	4.1	28
78	Epidemiological, Clinical and Microbiological Characteristics of Patients with Post-Traumatic Osteomyelitis of Limb Fractures in Southwest China: A Hospital-Based Study. Journal of Bone and Joint Infection, 2017, 2, 149-153.	1.5	32
79	High dose teriparatide (rPTH1-34) therapy increases callus volume and enhances radiographic healing at 8-weeks in a massive canine femoral allograft model. PLoS ONE, 2017, 12, e0185446.	2.5	6
80	The Role of the Immune System and Bone Cells in Acute and Chronic Osteomyelitis. , 2016, , 283-295.		6
81	Orthopaedic device-related infection: current and future interventions for improved prevention and treatment. EFORT Open Reviews, 2016, 1, 89-99.	4.1	131
82	Controlling Arteriogenesis and Mast Cells Are Central to Bioengineering Solutions for Critical Bone Defect Repair Using Allografts. Bioengineering, 2016, 3, 6.	3.5	10
83	Antioxidant impregnated ultra-high molecular weight polyethylene wear debris particles display increased bone remodeling and a superior osteogenic:osteolytic profile vs. conventional UHMWPE particles in a murine calvaria model. Journal of Orthopaedic Research, 2016, 34, 845-851.	2.3	11
84	Increased numbers of CD23 <sup>+</sup> CD21 <sup>hi</sup> Bin <sup>+</sup> like B cells in human reactive and rheumatoid arthritis lymph nodes. European Journal of Immunology, 2016, 46, 1752-1757.	2.9	19
85	Novel Diagnostic for Orthopedic Staphylococcus aureus Infections Using Media Enriched for Newly Synthesized Antibodies. Open Forum Infectious Diseases, 2016, 3, .	0.9	0
86	Lymphatic imaging to assess rheumatoid flare: mechanistic insights and biomarker potential. Arthritis Research and Therapy, 2016, 18, 194.	3.5	26
87	Relationship between Lymph Node Volume and Pain following Certolizumab Therapy for Rheumatoid Arthritis Flare: A Pilot Study. Clinical Medicine Insights: Arthritis and Musculoskeletal Disorders, 2016, 9, CMAMD.S40237.	1.2	8
88	Analysis of new bone, cartilage, and fibrosis tissue in healing murine allografts using whole slide imaging and a new automated histomorphometric algorithm. Bone Research, 2016, 4, 15037.	11.4	29
89	Lymphatic endothelial cells efferent to inflamed joints produce iNOS and inhibit lymphatic vessel contraction and drainage in TNF-induced arthritis in mice. Arthritis Research and Therapy, 2016, 18, 62.	3.5	46
90	Biomaterials approaches to treating implant-associated osteomyelitis. Biomaterials, 2016, 81, 58-71.	11.4	248

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91	PTH Induces Systemically Administered Mesenchymal Stem Cells to Migrate to and Regenerate Spine Injuries. <i>Molecular Therapy</i> , 2016, 24, 318-330.	8.2	43
92	Validation of Power Doppler Versus Contrast-Enhanced Magnetic Resonance Imaging Quantification of Joint Inflammation in Murine Inflammatory Arthritis. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 690-694.	2.8	12
93	Increased insulin mRNA binding protein-3 expression correlates with vascular enhancement of renal cell carcinoma by intravenous contrast-CT and is associated with bone metastasis. <i>Journal of Bone Oncology</i> , 2015, 4, 69-76.	2.4	12
94	Quantifying the natural history of biofilm formation in vivo during the establishment of chronic implant-associated <i>Staphylococcus aureus</i> osteomyelitis in mice to identify critical pathogen and host factors. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1311-1319.	2.3	147
95	A Humoral Immune Defect Distinguishes the Response to <i>Staphylococcus aureus</i> Infections in Mice with Obesity and Type 2 Diabetes from That in Mice with Type 1 Diabetes. <i>Infection and Immunity</i> , 2015, 83, 2264-2274.	2.2	38
96	A Diagnostic Serum Antibody Test for Patients With <i>Staphylococcus aureus</i> Osteomyelitis. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 2735-2749.	1.5	47
97	The role of the lymphatic system in inflammatory-erosive arthritis. <i>Seminars in Cell and Developmental Biology</i> , 2015, 38, 90-97.	5.0	54
98	TGF $\beta$ 21 Suppresses Plasmin and MMP Activity in Flexor Tendon Cells via PAI1: Implications for Scarless Flexor Tendon Repair. <i>Journal of Cellular Physiology</i> , 2015, 230, 318-326.	4.1	27
99	TNF signals are dispensable for the generation of CD23+ CD21/35-high CD1d-high B cells in inflamed lymph nodes. <i>Cellular Immunology</i> , 2015, 296, 133-137.	3.0	7
100	A novel murine model of established Staphylococcal bone infection in the presence of a fracture fixation plate to study therapies utilizing antibiotic-laden spacers after revision surgery. <i>Bone</i> , 2015, 72, 128-136.	2.9	53
101	Loss of the PGE2 receptor EP1 enhances bone acquisition, which protects against age and ovariectomy-induced impairments in bone strength. <i>Bone</i> , 2015, 72, 92-100.	2.9	15
102	Are Biologic Treatments a Potential Approach to Wear- and Corrosion-related Problems?. <i>Clinical Orthopaedics and Related Research</i> , 2014, 472, 3740-3746.	1.5	24
103	The 1st International Consensus Meeting on Periprosthetic Joint Infection. <i>Journal of Orthopaedic Research</i> , 2014, 32, S1.	2.3	7
104	A127: Validating Popliteal Lymph Node Phenotype and Bin Expansion as Biomarkers of Rheumatoid Arthritis Knee Flare in Clinical Pilot Studies. <i>Arthritis and Rheumatology</i> , 2014, 66, S166-S167.	5.6	1
105	Passive immunization with anti-glucosaminidase monoclonal antibodies protects mice from implant-associated osteomyelitis by mediating opsonophagocytosis of <i>Staphylococcus aureus</i> megaclusters. <i>Journal of Orthopaedic Research</i> , 2014, 32, 1389-1396.	2.3	68
106	<i>In vivo</i> quantification of lymph viscosity and pressure in lymphatic vessels and draining lymph nodes of arthritic joints in mice. <i>Journal of Physiology</i> , 2014, 592, 1213-1223.	2.9	61
107	Validation of GAITRite and PROMIS as high-throughput physical function outcome measures following ACL reconstruction. <i>Journal of Orthopaedic Research</i> , 2014, 32, 793-801.	2.3	83
108	Perioperative Antibiotics. <i>Journal of Arthroplasty</i> , 2014, 29, 29-48.	3.1	50

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109	Cartilage transplants hold promise for challenging bone defects. <i>Nature Reviews Rheumatology</i> , 2014, 10, 129-130.	8.0	5
110	Perioperative Antibiotics. <i>Journal of Orthopaedic Research</i> , 2014, 32, S31-59.	2.3	18
111	Aging periosteal progenitor cells have reduced regenerative responsiveness to bone injury and to the anabolic actions of PTH 1-34 treatment. <i>Bone</i> , 2014, 62, 79-89.	2.9	72
112	The effect of mesenchymal stem cell sheets on structural allograft healing of critical sized femoral defects in mice. <i>Biomaterials</i> , 2014, 35, 2752-2759.	11.4	89
113	3D printing of composite calcium phosphate and collagen scaffolds for bone regeneration. <i>Biomaterials</i> , 2014, 35, 4026-4034.	11.4	710
114	Freeze-dried allograft-mediated gene or protein delivery of growth and differentiation factor 5 reduces reconstructed murine flexor tendon adhesions. <i>Journal of Tissue Engineering</i> , 2014, 5, 204173141452873.	5.5	13
115	The Murine Femoral Bone Graft Model and a Semiautomated Histomorphometric Analysis Tool. <i>Methods in Molecular Biology</i> , 2014, 1130, 45-59.	0.9	4
116	Divergent Gene Activation in Peripheral Blood and Tissues of Patients with Rheumatoid Arthritis, Psoriatic Arthritis and Psoriasis following Infliximab Therapy. <i>PLoS ONE</i> , 2014, 9, e110657.	2.5	15
117	Bone fragility beyond strength and mineral density: Raman spectroscopy predicts femoral fracture toughness in a murine model of rheumatoid arthritis. <i>Journal of Biomechanics</i> , 2013, 46, 723-730.	2.1	41
118	Anti-oxidation Treatment of Ultra High Molecular Weight Polyethylene Components to Decrease Periprosthetic Osteolysis: Evaluation of Osteolytic and Osteogenic Properties of Wear Debris Particles in a Murine Calvaria Model. <i>Current Rheumatology Reports</i> , 2013, 15, 325.	4.7	29
119	Mitochondrial Dysfunction and Permeability Transition in Osteosarcoma Cells Showing the Warburg Effect. <i>Journal of Biological Chemistry</i> , 2013, 288, 33303-33311.	3.4	51
120	PTH Promotes Allograft Integration in a Calvarial Bone Defect. <i>Molecular Pharmaceutics</i> , 2013, 10, 4462-4471.	4.6	30
121	Animal Models for Implant-Associated Osteomyelitis. , 2013, , 419-433.		1
122	Efficacy of B cell depletion therapy for murine joint arthritis flare is associated with increased lymphatic flow. <i>Arthritis and Rheumatism</i> , 2013, 65, 130-138.	6.7	53
123	Cellular and Molecular Factors in Flexor Tendon Repair and Adhesions: A Histological and Gene Expression Analysis. <i>Connective Tissue Research</i> , 2013, 54, 218-226.	2.3	91
124	Dual Differentiation-Exogenous Mesenchymal Stem Cell Therapy for Traumatic Spinal Cord Injury Repair in a Murine Hemisection Model. <i>Stem Cells International</i> , 2013, 2013, 1-6.	2.5	7
125	TAK1 regulates SOX9 expression in chondrocytes and is essential for postnatal development of the growth plate and articular cartilages. <i>Journal of Cell Science</i> , 2013, 126, 5704-13.	2.0	44
126	Troponin T3 expression in skeletal and smooth muscle is required for growth and postnatal survival: Characterization of <i>Tnnt3<sup>tm2a(KOMP)Wtsi</sup></i> mice. <i>Genesis</i> , 2013, 51, 667-675.	1.6	20



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127	PTH-enhanced structural allograft healing is associated with decreased angiopoietin-2-mediated arteriogenesis, mast cell accumulation, and fibrosis. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 586-597.	2.8	49
128	Anti-Glucosaminidase IgG in Sera as a Biomarker of Host Immunity Against <i>Staphylococcus aureus</i> in Orthopaedic Surgery Patients. <i>Journal of Bone and Joint Surgery - Series A</i> , 2013, 95, e171.	3.0	27
129	Power Doppler Ultrasound Phenotyping of Expanding versus Collapsed Popliteal Lymph Nodes in Murine Inflammatory Arthritis. <i>PLoS ONE</i> , 2013, 8, e73766.	2.5	26
130	CD23 <sup>+</sup> CD21 <sup>high</sup> CD1d <sup>high</sup> B Cells in Inflamed Lymph Nodes Are a Locally Differentiated Population with Increased Antigen Capture and Activation Potential. <i>Journal of Immunology</i> , 2012, 188, 5944-5953.	0.8	21
131	Mechanisms of bone fragility in a mouse model of glucocorticoid-treated rheumatoid arthritis: Implications for insufficiency fracture risk. <i>Arthritis and Rheumatism</i> , 2012, 64, 3649-3659.	6.7	39
132	Adeno-associated virus-coated allografts: a novel approach for cranioplasty. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012, 6, e43-e50.	2.7	16
133	Gene therapy approaches to regenerating bone. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 1320-1330.	13.7	77
134	Quantifying Massive Allograft Healing of the Canine Femur In Vivo and Ex Vivo: A Pilot Study. <i>Clinical Orthopaedics and Related Research</i> , 2012, 470, 2478-2487.	1.5	7
135	Bone Marrow-Derived Matrix Metalloproteinase-9 Is Associated with Fibrous Adhesion Formation after Murine Flexor Tendon Injury. <i>PLoS ONE</i> , 2012, 7, e40602.	2.5	37
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