Stuart B Goodman

List of Publications by Year in Descending Order

326 papers	14,213 citations	60 h-index	107 g-index
355 ext. papers	17,155 ext. citations	5.7 avg, IF	6.84 L-index

#	Paper	IF	Citations
326	Macrophage Polarization and the Osteoimmunology of Periprosthetic Osteolysis.. *Current Osteoporosis Reports*, **2022**, 20, 43	5.4	0
325	Ageing attenuates bone healing by mesenchymal stem cells in a microribbon hydrogel with a murine long bone critical-size defect model.. *Immunity and Ageing*, **2022**, 19, 14	9.7	1
324	Human Mesenchymal Stem Cell-Derived Miniature Joint System for Disease Modeling and Drug Testing.. *Advanced Science*, **2022**, e2105909	13.6	1
323	Sex Differences in Mesenchymal Stem Cell Therapy With Gelatin-Based Microribbon Hydrogels in a Murine Long Bone Critical-Size Defect Model. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 755964	5.8	1
322	Mesenchymal Stem Cells and NF-B Sensing Interleukin-4 Over-Expressing Mesenchymal Stem Cells Are Equally Effective in Mitigating Particle-Associated Chronic Inflammatory Bone Loss in Mice. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 757830	5.7	0
321	Notching of the Neck After Acetabular Constraint Necessitating Femoral Component Revision. *Arthroplasty Today*, **2021**, 12, 32-35	2	
320	The efficacy of core decompression for steroid-associated osteonecrosis of the femoral head in rabbits. *Journal of Orthopaedic Research*, **2021**, 39, 1441-1451	3.8	3
319	Interleukin-4 repairs wear particle induced osteolysis by modulating macrophage polarization and bone turnover. *Journal of Biomedical Materials Research - Part A*, **2021**, 109, 1512-1520	5.4	3
318	Suppression of NF-B-induced chronic inflammation mitigates inflammatory osteolysis in the murine continuous polyethylene particle infusion model. *Journal of Biomedical Materials Research - Part A*, **2021**, 109, 1828-1839	5.4	5
317	A dysfunctional TRPV4-GSK3 pathway prevents osteoarthritic chondrocytes from sensing changes in extracellular matrix viscoelasticity. *Nature Biomedical Engineering*, **2021**,	19	9
316	Different Effects of Intramedullary Injection of Mesenchymal Stem Cells During the Acute vs. Chronic Inflammatory Phase on Bone Healing in the Murine Continuous Polyethylene Particle Infusion Model. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 631063	5.7	4
315	Articulating vs Static Spacers for Native Knee Infection in the Setting of Degenerative Joint Disease. *Arthroplasty Today*, **2021**, 8, 138-144	2	0
314	Cell spheroids are as effective as single cells suspensions in the treatment of critical-sized bone defects. *BMC Musculoskeletal Disorders*, **2021**, 22, 401	2.8	3
313	Metabolic Control of Autoimmunity and Tissue Inflammation in Rheumatoid Arthritis. *Frontiers in Immunology*, **2021**, 12, 652771	8.4	6
312	3D Printing in alloy design to improve biocompatibility in metallic implants. *Materials Today*, **2021**, 45, 20-34	21.8	23
311	The Effects of Macrophage Phenotype on Osteogenic Differentiation of MSCs in the Presence of Polyethylene Particles. *Biomedicines*, **2021**, 9,	4.8	2
310	How to stop using gadolinium chelates for magnetic resonance imaging: clinical-translational experiences with ferumoxytol. *Pediatric Radiology*, **2021**, 1	2.8	3

309	Effect of porosity of a functionally-graded scaffold for the treatment of corticosteroid-associated osteonecrosis of the femoral head in rabbits. *Journal of Orthopaedic Translation*, **2021**, 28, 90-99	4.2	1
308	Modified Kerboul Angle Predicts Outcome of Core Decompression With or Without Additional Cell Therapy. *Journal of Arthroplasty*, **2021**, 36, 1879-1886	4.4	0
307	Concentrated autologous bone marrow aspirate is not stem cell therapy in the repair of nonunions and bone defects. *Biomaterials and Biosystems*, **2021**, 2, 100017		0
306	Outcomes of Cemented Total Knee Arthroplasty for Secondary Osteonecrosis of the Knee. *Journal of Arthroplasty*, **2021**, 36, 550-559	4.4	0
305	Response to Letter to the Editor on "Diagnosis of Osteonecrosis of the Femoral Head: Too Little, Too Late, and Independent of Etiology". *Journal of Arthroplasty*, **2021**, 36, e12-e13	4.4	0
304	ARCO Consensus on the Pathogenesis of Non-traumatic Osteonecrosis of the Femoral Head. *Journal of Korean Medical Science*, **2021**, 36, e65	4.7	7
303	Osteonecrosis of the Femoral Head: an Updated Review of ARCO on Pathogenesis, Staging and Treatment. *Journal of Korean Medical Science*, **2021**, 36, e177	4.7	6
302	PDGF-BB and IL-4 co-overexpression is a potential strategy to enhance mesenchymal stem cell-based bone regeneration. *Stem Cell Research and Therapy*, **2021**, 12, 40	8.3	7
301	Encapsulated Mesenchymal Stromal Cell Microbeads Promote Endogenous Regeneration of Osteoarthritic Cartilage Ex Vivo. *Advanced Healthcare Materials*, **2021**, 10, e2002118	10.1	2
300	Current Models for Development of Disease-Modifying Osteoarthritis Drugs. *Tissue Engineering - Part C: Methods*, **2021**, 27, 124-138	2.9	10
299	Management of Morbidity and Mortality in a New Zealand White Rabbit Model of SteroidInduced Osteonecrosis of the Femoral Head. *Comparative Medicine*, **2021**, 71, 86-98	1.6	
298	Use of Total Hip Arthroplasty in Patients Under 21 Years Old: A US Population Analysis. *Journal of Arthroplasty*, **2021**, 36, 3928-3933.e1	4.4	0
297	The efficacy of lapine preconditioned or genetically modified IL4 over-expressing bone marrow-derived mesenchymal stromal cells in corticosteroid-associated osteonecrosis of the femoral head in rabbits. *Biomaterials*, **2021**, 275, 120972	15.6	2
296	Return to work and productivity loss after surgery: A health economic evaluation. *International Journal of Surgery*, **2021**, 95, 106100	7.5	0
295	The effect of genetically modified platelet-derived growth factor-BB over-expressing mesenchymal stromal cells during core decompression for steroid-associated osteonecrosis of the femoral head in rabbits. *Stem Cell Research and Therapy*, **2021**, 12, 503	8.3	1
294	Perioperative Statin Use May Reduce Postoperative Arrhythmia Rates After Total Joint Arthroplasty. *Journal of Arthroplasty*, **2021**, 36, 3401-3405	4.4	0
293	Diagnosis and Treatment of Femoral Head Osteonecrosis: A Protocol for Development of Evidence-Based Clinical Practice Guidelines. *Surgical Technology International*, **2021**, 38, 371-378	0.8	
292	Efficacy of motivational-interviewing and guided opioid tapering support for patients undergoing orthopedic surgery (MI-Opioid Taper): A prospective, assessor-blind, randomized controlled pilot trial. *EClinicalMedicine*, **2020**, 28, 100596	11.3	6

291	Interleukin-4 overexpressing mesenchymal stem cells within gelatin-based microribbon hydrogels enhance bone healing in a murine long bone critical-size defect model. *Journal of Biomedical Materials Research - Part A*, **2020**, 108, 2240-2250	5.4	12
290	Modulation of the Inflammatory Response and Bone Healing. *Frontiers in Endocrinology*, **2020**, 11, 386	5.7	55
289	The routine use of synovial alpha-defensin is not necessary. *Bone and Joint Journal*, **2020**, 102-B, 593-599	5.6	10
288	Selective screw fixation is associated with early failure of primary acetabular components for aseptic loosening. *Journal of Orthopaedic Research*, **2020**, 38, 2429-2433	3.8	4
287	Reimbursement and Complications in Outpatient vs Inpatient Unicompartmental Arthroplasty. *Journal of Arthroplasty*, **2020**, 35, S86-S91	4.4	7
286	Tumor necrosis factor primes and metal particles activate the NLRP3 inflammasome in human primary macrophages. *Acta Biomaterialia*, **2020**, 108, 347-357	10.8	11
285	Modifying MSC Phenotype to Facilitate Bone Healing: Biological Approaches. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 641	5.8	12
284	Nontraumatic Osteonecrosis of the Femoral Head: Where Do We Stand Today?: A 5-Year Update. *Journal of Bone and Joint Surgery - Series A*, **2020**, 102, 1084-1099	5.6	52
283	Guidelines for clinical diagnosis and treatment of osteonecrosis of the femoral head in adults (2019 version). *Journal of Orthopaedic Translation*, **2020**, 21, 100-110	4.2	63
282	Knee or Spine Surgery First? A Survey of Treatment Order for Patients With Concurrent Degenerative Knee and Lumbar Spinal Disorders. *Journal of Arthroplasty*, **2020**, 35, 2039-2043	4.4	2
281	Single-cell mass cytometry reveals cross-talk between inflammation-dampening and inflammation-amplifying cells in osteoarthritic cartilage. *Science Advances*, **2020**, 6, eaay5352	14.3	20
280	The Hip in Juvenile Idiopathic Arthritis. *The Open Orthopaedics Journal*, **2020**, 14, 88-94	0.3	
279	Diagnosis of Osteonecrosis of the Femoral Head: Too Little, Too Late, and Independent of Etiology. *Journal of Arthroplasty*, **2020**, 35, 2342-2349	4.4	14
278	Diagnosis and management of implant debris-associated inflammation. *Expert Review of Medical Devices*, **2020**, 17, 41-56	3.5	15
277	The 2019 Revised Version of Association Research Circulation Osseous Staging System of Osteonecrosis of the Femoral Head. *Journal of Arthroplasty*, **2020**, 35, 933-940	4.4	57
276	Angiotensin receptor blockade mimics the effect of exercise on recovery after orthopaedic trauma by decreasing pain and improving muscle regeneration. *Journal of Physiology*, **2020**, 598, 317-329	3.9	8
275	The Cost of Malnutrition in Total Joint Arthroplasty. *Journal of Arthroplasty*, **2020**, 35, 926-932.e1	4.4	7
274	Initial Presentation and Progression of Secondary Osteonecrosis of the Knee. *Journal of Arthroplasty*, **2020**, 35, 2798-2806	4.4	2

273	Inflammation, Bone Healing and Osteonecrosis: From Bedside to Bench. *Journal of Inflammation Research*, **2020**, 13, 913-923	4.8	10
272	Preoperative Factors Associated with Remote Postoperative Pain Resolution and Opioid Cessation in a Mixed Surgical Cohort: Post Hoc Analysis of a Perioperative Gabapentin Trial. *Journal of Pain Research*, **2020**, 13, 2959-2970	2.9	3
271	Reply to Letter to the Editor on "Mental Health Status Improves Following Total Knee Arthroplasty". *Journal of Arthroplasty*, **2020**, 35, 2685-2686	4.4	
270	Articular cartilage regeneration by activated skeletal stem cells. *Nature Medicine*, **2020**, 26, 1583-1592	50.5	59
269	Strontium enhances BMP-2 mediated bone regeneration in a femoral murine bone defect model. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2020**, 108, 174-182	3.5	18
268	Venous thromboprophylaxis after total hip arthroplasty: aspirin, warfarin, enoxaparin, or factor Xa inhibitors?. *HIP International*, **2020**, 30, 564-571	1.7	6
267	Effect of Aging on the Macrophage Response to Titanium Particles. *Journal of Orthopaedic Research* , **2020**, 38, 405-416	3.8	3
266	Increased NF-kB activity in osteoprogenitor-lineage cells impairs the balance of bone versus fat in the marrow of skeletally mature mice. *Regenerative Engineering and Translational Medicine*, **2020**, 6, 69-77	2.4	1
265	Total Knee Arthroplasty Has A Positive Effect on Patients With Low Mental Health Scores. *Journal of Arthroplasty*, **2020**, 35, 112-115	4.4	8
264	Macrophage Effects on Mesenchymal Stem Cell Osteogenesis in a Three-Dimensional Bone Model. *Tissue Engineering - Part A*, **2020**, 26, 1099-1111	3.9	11
263	Inhibition of TET1 prevents the development of osteoarthritis and reveals the 5hmC landscape that orchestrates pathogenesis. *Science Translational Medicine*, **2020**, 12,	17.5	16
262	Optimization and Characterization of Calcium Phosphate Transfection in Mesenchymal Stem Cells. *Tissue Engineering - Part C: Methods*, **2019**, 25, 543-552	2.9	2
261	Hematopoietic PBX-interacting protein mediates cartilage degeneration during the pathogenesis of osteoarthritis. *Nature Communications*, **2019**, 10, 313	17.4	28
260	Computer Navigation vs Conventional Total Hip Arthroplasty: A Medicare Database Analysis. *Journal of Arthroplasty*, **2019**, 34, 1994-1998.e1	4.4	10
259	Treating Titanium Particle-Induced Inflammation with Genetically Modified NF-B Sensing IL-4 Secreting or Preconditioned Mesenchymal Stem Cells in Vitro. *ACS Biomaterials Science and Engineering*, **2019**, 5, 3032-3038	5.5	3
258	Improved Range of Motion and Patient-Reported Outcome Scores With Fixed-Bearing Revision Total Knee Arthroplasty for Suboptimal Axial Implant Rotation. *Journal of Arthroplasty*, **2019**, 34, 1174-1178	4.4	0
257	Bone Regeneration by Controlled Release of Bone Morphogenetic Protein-2: A Rabbit Spinal Fusion Chamber Molecular Study. *Tissue Engineering - Part A*, **2019**, 25, 1356-1368	3.9	2
256	Inflammation and Bone Repair: From Particle Disease to Tissue Regeneration. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 230	5.8	28

255	IgE-mediated mast cell activation promotes inflammation and cartilage destruction in osteoarthritis. *ELife*, **2019**, 8,	8.9	37
254	Biomaterials in Orthopaedics **2019**, 301-307		
253	Factors Associated With Acute Pain Estimation, Postoperative Pain Resolution, Opioid Cessation, and Recovery: Secondary Analysis of a Randomized Clinical Trial. *JAMA Network Open*, **2019**, 2, e190168	10.4	30
252	Osteogenic ability of rat bone marrow concentrate is at least as efficacious as mesenchymal stem cells in vitro. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2019**, 107, 2500-2506	3.5	4
251	Precise immunomodulation of the M1 to M2 macrophage transition enhances mesenchymal stem cell osteogenesis and differs by sex. *Bone and Joint Research*, **2019**, 8, 481-488	4.2	25
250	Osteochondral Tissue Chip Derived From iPSCs: Modeling OA Pathologies and Testing Drugs. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 411	5.8	40
249	Cell-Based and Scaffold-Based Therapies for Joint Preservation in Early-Stage Osteonecrosis of the Femoral Head: A Review of Basic Research. *JBJS Reviews*, **2019**, 7, e5	2.6	7
248	CORR Insights : How Does Mortality Risk Change Over Time After Hip and Knee Arthroplasty?. *Clinical Orthopaedics and Related Research*, **2019**, 477, 1422-1423	2.2	
247	CORR Insights : CORR ORS Richard A. Brand Award: Disruption in Peroxisome Proliferator-Activated Receptor- (PPARG) Increases Osteonecrosis Risk Through Genetic Variance and Pharmacologic Modulation. *Clinical Orthopaedics and Related Research*, **2019**, 477, 1813-1814	2.2	
246	Periprosthetic Osteolysis: Mechanisms, Prevention and Treatment. *Journal of Clinical Medicine*, **2019**, 8,	5.1	64
245	Suboptimal patellofemoral alignment is associated with poor clinical outcome scores after primary total knee arthroplasty. *Archives of Orthopaedic and Trauma Surgery*, **2019**, 139, 249-254	3.6	12
244	Preconditioned or IL4-Secreting Mesenchymal Stem Cells Enhanced Osteogenesis at Different Stages. *Tissue Engineering - Part A*, **2019**, 25, 1096-1103	3.9	20
243	Statin use is associated with less postoperative cardiac arrhythmia after total hip arthroplasty. *HIP International*, **2019**, 29, 618-623	1.7	2
242	Two-step stem cell therapy improves bone regeneration compared to concentrated bone marrow therapy. *Journal of Orthopaedic Research*, **2019**, 37, 1318-1328	3.8	11
241	Etiologic Classification Criteria of ARCO on Femoral Head Osteonecrosis Part 1: Glucocorticoid-Associated Osteonecrosis. *Journal of Arthroplasty*, **2019**, 34, 163-168.e1	4.4	37
240	Trained murine mesenchymal stem cells have anti-inflammatory effect on macrophages, but defective regulation on T-cell proliferation. *FASEB Journal*, **2019**, 33, 4203-4211	0.9	12
239	Etiologic Classification Criteria of ARCO on Femoral Head Osteonecrosis Part 2: Alcohol-Associated Osteonecrosis. *Journal of Arthroplasty*, **2019**, 34, 169-174.e1	4.4	31
238	Mesenchymal stem cell-macrophage crosstalk and bone healing. *Biomaterials*, **2019**, 196, 80-89	15.6	233

237	Cryptotanshinone Protects Cartilage against Developing Osteoarthritis through the miR-106a-5p/GLIS3 Axis. *Molecular Therapy - Nucleic Acids*, **2018**, 11, 170-179	10.7	16
236	Early-stage osteonecrosis of the femoral head: where are we and where are we going in year 2018?. *International Orthopaedics*, **2018**, 42, 1723-1728	3.8	68
235	miR-223-3p Inhibits Human Osteosarcoma Metastasis and Progression by Directly Targeting CDH6. *Molecular Therapy*, **2018**, 26, 1299-1312	11.7	59
234	Immunohistochemical Analysis of Inflammatory Rheumatoid Synovial Tissues Using Anti-Human Podoplanin Monoclonal Antibody Panel. *Monoclonal Antibodies in Immunodiagnosis and Immunotherapy*, **2018**, 37, 12-19	1.9	3
233	The biological basis for concentrated iliac crest aspirate to enhance core decompression in the treatment of osteonecrosis. *International Orthopaedics*, **2018**, 42, 1705-1709	3.8	20
232	Obesity Is Independently Associated With Early Aseptic Loosening in Primary Total Hip Arthroplasty. *Journal of Arthroplasty*, **2018**, 33, 882-886	4.4	23
231	NFB sensing IL-4 secreting mesenchymal stem cells mitigate the proinflammatory response of macrophages exposed to polyethylene wear particles. *Journal of Biomedical Materials Research - Part A*, **2018**, 106, 2744-2752	5.4	22
230	Transplanted interleukin-4--secreting mesenchymal stromal cells show extended survival and increased bone mineral density in the murine femur. *Cytotherapy*, **2018**, 20, 1028-1036	4.8	17
229	A Tissue Engineering Approach for Treating Early Osteonecrosis of the Femoral Head. *Regenerative Engineering and Translational Medicine*, **2018**, 4, 162-166	2.4	
228	Effect of Computer Navigation on Complication Rates Following Unicompartmental Knee Arthroplasty. *Journal of Arthroplasty*, **2018**, 33, 3437-3440.e1	4.4	6
227	Modulating Innate Inflammatory Reactions in the Application of Orthopedic Biomaterials **2018**, 199-218		1
226	Proximal Femoral Shape Changes the Risk of a Leg Length Discrepancy After Primary Total Hip Arthroplasty. *Journal of Arthroplasty*, **2018**, 33, 3699-3703	4.4	6
225	Effect of Perioperative Gabapentin on Postoperative Pain Resolution and Opioid Cessation in a Mixed Surgical Cohort: A Randomized Clinical Trial. *JAMA Surgery*, **2018**, 153, 303-311	5.4	102
224	Particle disease really does exist. *Monthly Notices of the Royal Astronomical Society: Letters*, **2018**, 89, 133-136	4.3	8
223	Customized, degradable, functionally graded scaffold for potential treatment of early stage osteonecrosis of the femoral head. *Journal of Orthopaedic Research*, **2018**, 36, 1002-1011	3.8	37
222	Strategies for Weight Reduction Prior to Total Joint Arthroplasty. *Journal of Bone and Joint Surgery - Series A*, **2018**, 100, 1888-1896	5.6	7
221	Tracking Cell Transplants in Femoral Osteonecrosis with Magnetic Resonance Imaging: A Proof-of-Concept Study in Patients. *Clinical Cancer Research*, **2018**, 24, 6223-6229	12.9	15
220	The effects of a functionally-graded scaffold and bone marrow-derived mononuclear cells on steroid-induced femoral head osteonecrosis. *Biomaterials*, **2018**, 187, 39-46	15.6	39

219	Identification of the Human Skeletal Stem Cell. *Cell*, **2018**, 175, 43-56.e21	56.2	257
218	Systematic characterization of 3D-printed PCL/β-TCP scaffolds for biomedical devices and bone tissue engineering: influence of composition and porosity. *Journal of Materials Research*, **2018**, 33, 1948-1959	2.5	67
217	Protocol-Driven Revision for Stiffness After Total Knee Arthroplasty Improves Motion and Clinical Outcomes. *Journal of Arthroplasty*, **2018**, 33, 2952-2955	4.4	2
216	Periprosthetic bacterial biofilm and quorum sensing. *Journal of Orthopaedic Research*, **2018**, 36, 2331-2338	3.8	26
215	Production of GFP and Luciferase-Expressing Reporter Macrophages for In Vivo Bioluminescence Imaging. *Methods in Molecular Biology*, **2018**, 1790, 99-111	1.4	
214	The biological response to orthopedic implants for joint replacement. II: Polyethylene, ceramics, PMMA, and the foreign body reaction. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2017**, 105, 1685-1691	3.5	65
213	The biological response to orthopaedic implants for joint replacement: Part I: Metals. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2017**, 105, 2162-2173	3.5	62
212	Decreased osteogenesis in mesenchymal stem cells derived from the aged mouse is associated with enhanced NF-κB activity. *Journal of Orthopaedic Research*, **2017**, 35, 281-288	3.8	42
211	Use of Cortical Strut Allograft After Extended Trochanteric Osteotomy in Revision Total Hip Arthroplasty. *Journal of Arthroplasty*, **2017**, 32, 1599-1605	4.4	5
210	Cortical Strut Allograft Support of Modular Femoral Junctions During Revision Total Hip Arthroplasty. *Journal of Arthroplasty*, **2017**, 32, 1586-1592	4.4	16
209	Response to Letter to the Editor on 'Tibiofemoral Dislocation After Total Knee Arthroplasty'. *Journal of Arthroplasty*, **2017**, 32, 700	4.4	
208	Pharmacological rescue of diabetic skeletal stem cell niches. *Science Translational Medicine*, **2017**, 9,	17.5	53
207	Weight Gain After Primary Total Knee Arthroplasty Is Associated With Accelerated Time to Revision for Aseptic Loosening. *Journal of Arthroplasty*, **2017**, 32, 2167-2170	4.4	12
206	Pro-inflammatory M1 macrophages promote Osteogenesis by mesenchymal stem cells via the COX-2-prostaglandin E2 pathway. *Journal of Orthopaedic Research*, **2017**, 35, 2378-2385	3.8	85
205	CCL2/CCR2, but not CCL5/CCR5, mediates monocyte recruitment, inflammation and cartilage destruction in osteoarthritis. *Annals of the Rheumatic Diseases*, **2017**, 76, 914-922	2.4	172
204	Reconstruction of Disrupted Extensor Mechanism After Total Knee Arthroplasty. *Journal of Arthroplasty*, **2017**, 32, 3134-3140	4.4	13
203	Inflammation, ageing, and bone regeneration. *Journal of Orthopaedic Translation*, **2017**, 10, 28-35	4.2	58
202	Femoral Nerve Catheters Improve Home Disposition and Pain in Hip Fracture Patients Treated With Total Hip Arthroplasty. *Journal of Arthroplasty*, **2017**, 32, 3434-3437	4.4	9

201	Venous Thromboembolism Prophylaxis After TKA: Aspirin, Warfarin, Enoxaparin, or Factor Xa Inhibitors?. *Clinical Orthopaedics and Related Research*, **2017**, 475, 2205-2213	2.2	60
200	Outcome of 4 Surgical Treatments for Wear and Osteolysis of Cementless Acetabular Components. *Journal of Arthroplasty*, **2017**, 32, 2799-2805	4.4	4
199	Mesenchymal stem cells homing to improve bone healing. *Journal of Orthopaedic Translation*, **2017**, 9, 19-27	4.2	98
198	The effect of desflurane versus propofol anesthesia on postoperative delirium in elderly obese patients undergoing total knee replacement: A randomized, controlled, double-blinded clinical trial. *Journal of Clinical Anesthesia*, **2017**, 39, 17-22	1.9	26
197	Mutant CCL2 protein coating mitigates wear particle-induced bone loss in a murine continuous polyethylene infusion model. *Biomaterials*, **2017**, 117, 1-9	15.6	29
196	Revision Hip Arthroplasty Using a Modular, Cementless Femoral Stem: Intermediate-Term Follow-Up. *Journal of Arthroplasty*, **2017**, 32, 1245-1249	4.4	17
195	Mesenchymal stem cells in the aseptic loosening of total joint replacements. *Journal of Biomedical Materials Research - Part A*, **2017**, 105, 1195-1207	5.4	27
194	Murine Model of Progressive Orthopedic Wear Particle-Induced Chronic Inflammation and Osteolysis. *Tissue Engineering - Part C: Methods*, **2017**, 23, 1003-1011	2.9	13
193	Preconditioning of murine mesenchymal stem cells synergistically enhanced immunomodulation and osteogenesis. *Stem Cell Research and Therapy*, **2017**, 8, 277	8.3	52
192	Patient Satisfaction After Total Knee Arthroplasty: A Realistic or Imaginary Goal?. *Orthopedic Clinics of North America*, **2017**, 48, 421-431	3.5	43
191	Establishment of NF-Ƀ sensing and interleukin-4 secreting mesenchymal stromal cells as an "on-demand" drug delivery system to modulate inflammation. *Cytotherapy*, **2017**, 19, 1025-1034	4.8	33
190	Response to Letter to the Editor on "Weight Gain After Primary Total Knee Arthroplasty is Associated With Accelerated Time to Revision for Aseptic Loosening". *Journal of Arthroplasty*, **2017**, 32, 3258	4.4	
189	Inflammation and its resolution and the musculoskeletal system. *Journal of Orthopaedic Translation* , **2017**, 10, 52-67	4.2	36
188	Orthopaedic wear particle-induced bone loss and exogenous macrophage infiltration is mitigated by local infusion of NF-Ƀ decoy oligodeoxynucleotide. *Journal of Biomedical Materials Research - Part A*, **2017**, 105, 3169-3175	5.4	8
187	Smoking is associated with earlier time to revision of total knee arthroplasty. *Knee*, **2017**, 24, 1182-1186	2.6	22
186	CCL2, CCL5, and IGF-1 participate in the immunomodulation of osteogenesis during M1/M2 transition in vitro. *Journal of Biomedical Materials Research - Part A*, **2017**, 105, 3069-3076	5.4	20
185	Aging and Cell Therapy for the Treatment of Osteonecrosis of the Femoral Head. *The Journal of Hip Surgery*, **2017**, 01, 003-006	0.2	
184	Danger of frustrated sensors: Role of Toll-like receptors and NOD-like receptors in aseptic and septic inflammations around total hip replacements. *Journal of Orthopaedic Translation*, **2017**, 10, 68-85	4.2	15

183	NF-Β as a Therapeutic Target in Inflammatory-Associated Bone Diseases. *Advances in Protein Chemistry and Structural Biology*, **2017**, 107, 117-154	5.3	66
182	The Direct Anterior Approach is Associated With Early Revision Total Hip Arthroplasty. *Journal of Arthroplasty*, **2017**, 32, 1001-1005	4.4	63
181	Correlations between macrophage polarizing cytokines, inflammatory mediators, osteoclast activity, and toll-like receptors in tissues around aseptically loosened hip implants. *Journal of Biomedical Materials Research - Part A*, **2017**, 105, 454-463	5.4	23
180	Elevated Body Mass Index Is Associated With Early Total Knee Revision for Infection. *Journal of Arthroplasty*, **2017**, 32, 252-255	4.4	15
179	miR-216a inhibits osteosarcoma cell proliferation, invasion and metastasis by targeting CDK14. *Cell Death and Disease*, **2017**, 8, e3103	9.8	65
178	Treatment of Periprosthetic Knee Infection With a Two-stage Protocol Using Static Spacers. *Clinical Orthopaedics and Related Research*, **2016**, 474, 120-5	2.2	39
177	Deficient Activity of the Nuclease MRE11A Induces T Cell Aging and Promotes Arthritogenic Effector Functions in Patients with Rheumatoid Arthritis. *Immunity*, **2016**, 45, 903-916	32.3	52
176	The effects of immunomodulation by macrophage subsets on osteogenesis in vitro. *Stem Cell Research and Therapy*, **2016**, 7, 15	8.3	125
175	The effect of local IL-4 delivery or CCL2 blockade on implant fixation and bone structural properties in a mouse model of wear particle induced osteolysis. *Journal of Biomedical Materials Research - Part A*, **2016**, 104, 2255-62	5.4	32
174	Aging, inflammation, stem cells, and bone healing. *Stem Cell Research and Therapy*, **2016**, 7, 44	8.3	123
173	Cytokines as a predictor of clinical response following hip arthroscopy: minimum 2-year follow-up. *Journal of Hip Preservation Surgery*, **2016**, 3, 229-35	2	2
172	NF-Β decoy oligodeoxynucleotide mitigates wear particle-associated bone loss in the murine continuous infusion model. *Acta Biomaterialia*, **2016**, 41, 273-81	10.8	21
171	Multifunctional coatings to simultaneously promote osseointegration and prevent infection of orthopaedic implants. *Biomaterials*, **2016**, 84, 301-314	15.6	422
170	Inflammation, fracture and bone repair. *Bone*, **2016**, 86, 119-30	4.7	537
169	Engineered protein coatings to improve the osseointegration of dental and orthopaedic implants. *Biomaterials*, **2016**, 83, 269-82	15.6	84
168	Is There a Benefit to Modularity in 'Simpler' Femoral Revisions?. *Clinical Orthopaedics and Related Research*, **2016**, 474, 415-20	2.2	26
167	Can a Conical Implant Successfully Address Complex Anatomy in Primary THA? Radiographs and Hip Scores at Early Followup. *Clinical Orthopaedics and Related Research*, **2016**, 474, 459-64	2.2	14
166	The Role of Macrophages in the Biological Reaction to Wear Debris from Artificial Joints. *Journal of Long-Term Effects of Medical Implants*, **2016**, 26, 303-309	0.2	8

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