

Sonny B Bal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6996534/publications.pdf>

Version: 2024-02-01

176
papers

7,523
citations

61984

43
h-index

58581

82
g-index

191
all docs

191
docs citations

191
times ranked

6254
citing authors

#	ARTICLE	IF	CITATIONS
1	Medicolegal Sidebar: Are Implant Sales Reps in the Operating Room Legally Untouchable?. <i>Clinical Orthopaedics and Related Research</i> , 2022, 480, 669-671.	1.5	0
2	Transforaminal lumbar interbody fusion with a silicon nitride cage demonstrates early radiographic fusion. <i>Journal of Spine Surgery</i> , 2022, 8, 29-43.	1.2	2
3	Silicon nitride: a potent solid-state bioceramic inactivator of ssRNA viruses. <i>Scientific Reports</i> , 2021, 11, 2977.	3.3	20
4	Biological responses to silicon and nitrogen-rich PVD silicon nitride coatings. <i>Materials Today Chemistry</i> , 2021, 19, 100404.	3.5	6
5	Antifungal activity of polymethyl methacrylate/Si3N4 composites against <i>Candida albicans</i> . <i>Acta Biomaterialia</i> , 2021, 126, 259-276.	8.3	15
6	Medicolegal Sidebar: A Fast Route To A Criminal Indictmentâ€™Violating Fraud And Abuse Laws. <i>Clinical Orthopaedics and Related Research</i> , 2021, Publish Ahead of Print, 2362-2365.	1.5	0
7	Surface functionalization of PEEK with silicon nitride. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 015015.	3.3	6
8	Enhanced bioactivity of Si3N4 through trench-patterning and back-filling with Bioglass®. <i>Materials Science and Engineering C</i> , 2020, 106, 110278.	7.3	7
9	3D-additive deposition of an antibacterial and osteogenic silicon nitride coating on orthopaedic titanium substrate. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 103, 103557.	3.1	37
10	KUSA-A1 mesenchymal stem cells response to PEEK-Si3N4 composites. <i>Materials Today Chemistry</i> , 2020, 17, 100316.	3.5	5
11	Clinical outcomes for lumbar fusion using silicon nitride versus other biomaterials. <i>Journal of Spine Surgery</i> , 2020, 6, 33-48.	1.2	11
12	Burst Strength of BIOLOX®delta Femoral Heads and Its Dependence on Low-Temperature Environmental Degradation. <i>Materials</i> , 2020, 13, 350.	2.9	8
13	Surface Functionalization of Polyethylene by Silicon Nitride Laser Cladding. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2612.	2.5	15
14	Silicon nitride laser cladding: A feasible technique to improve the biological response of zirconia. <i>Materials and Design</i> , 2020, 191, 108649.	7.0	22
15	Antimicrobial Nitric Oxide Releasing Compounds and Scaffolds. , 2020, , 105-137.		3
16	Two-year results of a double-blind multicenter randomized controlled non-inferiority trial of polyetheretherketone (PEEK) versus silicon nitride spinal fusion cages in patients with symptomatic degenerative lumbar disc disorders. <i>Journal of Spine Surgery</i> , 2020, 6, 523-540.	1.2	8
17	The role of nitrogen off-stoichiometry in the osteogenic behavior of silicon nitride bioceramics. <i>Materials Science and Engineering C</i> , 2019, 105, 110053.	7.3	20
18	Osteogenic Enhancement of Zirconia-Toughened Alumina with Silicon Nitride and Bioglass®. <i>Ceramics</i> , 2019, 2, 554-567.	2.6	6

#	ARTICLE	IF	CITATIONS
19	Off-Stoichiometric Reactions at the Cell-Substrate Biomolecular Interface of Biomaterials: In Situ and Ex Situ Monitoring of Cell Proliferation, Differentiation, and Bone Tissue Formation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4080.	4.1	7
20	Clinical outcomes for anterior cervical discectomy and fusion with silicon nitride spine cages: a multicenter study. <i>Journal of Spine Surgery</i> , 2019, 5, 504-519.	1.2	7
21	Medicolegal Sidebar: Alcohol Abuse- Patient Safety versus Surgeon Privacy. <i>Clinical Orthopaedics and Related Research</i> , 2019, 477, 498-500.	1.5	0
22	<i>In vitro</i> antibacterial activity of oxide and non-oxide bioceramics for arthroplastic devices: II. Fourier transform infrared spectroscopy. <i>Analyst, The</i> , 2018, 143, 2128-2140.	3.5	20
23	Incorporating Si ₃ N ₄ into PEEK to Produce Antibacterial, Osteoconductive, and Radiolucent Spinal Implants. <i>Macromolecular Bioscience</i> , 2018, 18, e1800033.	4.1	57
24	Oxide ceramic femoral heads contribute to the oxidation of polyethylene liners in artificial hip joints. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 82, 168-182.	3.1	10
25	Development of a SiYAlON glaze for improved osteoconductivity of implantable medical devices. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 1084-1096.	3.4	15
26	A single center retrospective clinical evaluation of anterior cervical discectomy and fusion comparing allograft spacers to silicon nitride cages. <i>Journal of Spine Surgery</i> , 2018, 4, 349-360.	1.2	17
27	Bioglass functionalization of laser-patterned bioceramic surfaces and their enhanced bioactivity. <i>Heliyon</i> , 2018, 4, e01016.	3.2	9
28	Medicolegal Sidebar: Unnecessary Medical Care and Physician Liability. <i>Clinical Orthopaedics and Related Research</i> , 2018, 476, 2322-2324.	1.5	2
29	Biological response of human osteosarcoma cells to Si ₃ N ₄ -doped Bioglasses. <i>Materials and Design</i> , 2018, 159, 79-89.	7.0	14
30	<i>In vitro</i> antibacterial activity of oxide and non-oxide bioceramics for arthroplastic devices: I. <i>In situ</i> time-lapse Raman spectroscopy. <i>Analyst, The</i> , 2018, 143, 3708-3721.	3.5	31
31	Macromol. Biosci. 6/2018. <i>Macromolecular Bioscience</i> , 2018, 18, 1870016.	4.1	1
32	In toto microscopic scanning of ZTA femoral head retrievals using CAD-assisted confocal Raman spectroscopy. <i>Materials and Design</i> , 2017, 116, 631-637.	7.0	4
33	Tough and strong porous bioactive glass-PLA composites for structural bone repair. <i>Journal of Materials Science</i> , 2017, 52, 9039-9054.	3.7	23
34	Medicolegal Sidebar: Expanding Hospital Liability- The Concept of Willful Blindness. <i>Clinical Orthopaedics and Related Research</i> , 2017, 475, 1315-1318.	1.5	0
35	Silicon nitride surface chemistry: A potent regulator of mesenchymal progenitor cell activity in bone formation. <i>Applied Materials Today</i> , 2017, 9, 82-95.	4.3	54
36	Bioactive silicon nitride: A new therapeutic material for osteoarthropathy. <i>Scientific Reports</i> , 2017, 7, 44848.	3.3	70

#	ARTICLE	IF	CITATIONS
37	The Law and Social Values: Medical Uncertainty. <i>Clinical Orthopaedics and Related Research</i> , 2017, 475, 27-30.	1.5	0
38	Bacteriostatic behavior of surface modulated silicon nitride in comparison to polyetheretherketone and titanium. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1521-1534.	4.0	55
39	Robocasting of silicon nitride with controllable shape and architecture for biomedical applications. <i>International Journal of Applied Ceramic Technology</i> , 2017, 14, 117-127.	2.1	42
40	Medicolegal Sidebar: (Mis)Informed Consent in Medical Negligence Lawsuits. <i>Clinical Orthopaedics and Related Research</i> , 2017, 475, 2643-2646.	1.5	1
41	Human osteoblasts grow transitional Si/N apatite in quickly osteointegrated Si ₃ N ₄ cervical insert. <i>Acta Biomaterialia</i> , 2017, 64, 411-420.	8.3	60
42	Surface topography of silicon nitride affects antimicrobial and osseointegrative properties of tibial implants in a murine model. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 3413-3421.	4.0	56
43	The Effect of Cervical Interbody Cage Morphology, Material Composition, and Substrate Density on Cage Subsidence. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , 2017, 25, 160-168.	2.5	45
44	Medicolegal Sidebar: Resident Physician Liability. <i>Clinical Orthopaedics and Related Research</i> , 2017, 475, 1963-1965.	1.5	2
45	Reconciling in vivo and in vitro kinetics of the polymorphic transformation in zirconia-toughened alumina for hip joints: II. Theory. <i>Materials Science and Engineering C</i> , 2017, 71, 446-451.	7.3	16
46	Reconciling in vivo and in vitro kinetics of the polymorphic transformation in zirconia-toughened alumina for hip joints: III. Molecular scale mechanisms. <i>Materials Science and Engineering C</i> , 2017, 71, 552-557.	7.3	16
47	Reconciling in vivo and in vitro kinetics of the polymorphic transformation in zirconia-toughened alumina for hip joints: I. Phenomenology. <i>Materials Science and Engineering C</i> , 2017, 72, 252-258.	7.3	17
48	In Vitro versus In Vivo Phase Instability of Zirconia-Toughened Alumina Femoral Heads: A Critical Comparative Assessment. <i>Materials</i> , 2017, 10, 466.	2.9	18
49	Creation of bioactive glass (13â€“93) scaffolds for structural bone repair using a combined finite element modeling and rapid prototyping approach. <i>Materials Science and Engineering C</i> , 2016, 68, 651-662.	7.3	29
50	Rethinking the Standard of Care in Treating Professional Athletes. <i>Clinics in Sports Medicine</i> , 2016, 35, 269-274.	1.8	4
51	Effect of copper-doped silicate 13â€“93 bioactive glass scaffolds on the response of MC3T3-E1 cells in vitro and on bone regeneration and angiogenesis in rat calvarial defects in vivo. <i>Materials Science and Engineering C</i> , 2016, 67, 440-452.	7.3	74
52	In Situ Spectroscopic Screening of Osteosarcoma Living Cells on Stoichiometry-Modulated Silicon Nitride Bioceramic Surfaces. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1121-1134.	5.2	43
53	The Law and Social Values: Prescription Pain Killers. <i>Clinical Orthopaedics and Related Research</i> , 2016, 474, 1924-1929.	1.5	2
54	Silicon Nitride: A Synthetic Mineral for Vertebrate Biology. <i>Scientific Reports</i> , 2016, 6, 31717.	3.3	48

#	ARTICLE	IF	CITATIONS
55	Reply to the Letter to the Editor: Medicolegal Sidebar: Informed Consent in the Information Age. <i>Clinical Orthopaedics and Related Research</i> , 2016, 474, 862-862.	1.5	0
56	Long-term bone regeneration, mineralization and angiogenesis in rat calvarial defects implanted with strong porous bioactive glass (13â€“93) scaffolds. <i>Journal of Non-Crystalline Solids</i> , 2016, 432, 120-129.	3.1	19
57	Silicon Nitride Bioceramics Induce Chemically Driven Lysis in <i>Porphyromonas gingivalis</i> . <i>Langmuir</i> , 2016, 32, 3024-3035.	3.5	73
58	Novel Technique: Knee Arthrodesis Using Trabecular Metal Cones with Intramedullary Nailing and Intramedullary Autograft. <i>Journal of Knee Surgery</i> , 2016, 29, 510-515.	1.6	6
59	The Law and Social Values: Medical Necessity and Criminal Prosecution. <i>Clinical Orthopaedics and Related Research</i> , 2016, 474, 887-891.	1.5	3
60	Preparation of resorbable carbonate-substituted hollow hydroxyapatite microspheres and their evaluation in osseous defects in vivo. <i>Materials Science and Engineering C</i> , 2016, 60, 324-332.	7.3	44
61	Identification of Synovial Fluid Biomarkers for Knee Osteoarthritis and Correlation with Radiographic Assessment. <i>Journal of Knee Surgery</i> , 2016, 29, 242-247.	1.6	48
62	Medicolegal Sidebar: The Law and Social Values: Res Ipsa Loquitur. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 23-26.	1.5	3
63	Medicolegal Sidebar: The Law and Social Values: Conformity to Norms. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 1555-1559.	1.5	0
64	Ceramics and ceramic coatings in orthopaedics. <i>Journal of the European Ceramic Society</i> , 2015, 35, 4327-4369.	5.7	167
65	Medicolegal Sidebar: Informed Consent in the Information Age. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 2757-2761.	1.5	10
66	Characterization of Meniscal Pathology Using Molecular and Proteomic Analyses. <i>Journal of Knee Surgery</i> , 2015, 28, 496-505.	1.6	12
67	Characterization of Knee Meniscal Pathology: Correlation of Gross, Histologic, Biochemical, Molecular, and Radiographic Measures of Disease. <i>Journal of Knee Surgery</i> , 2015, 28, 175-182.	1.6	19
68	Surface modulation of silicon nitride ceramics for orthopaedic applications. <i>Acta Biomaterialia</i> , 2015, 26, 318-330.	8.3	100
69	Identification of Novel Synovial Fluid Biomarkers Associated with Meniscal Pathology. <i>Journal of Knee Surgery</i> , 2015, 29, 047-062.	1.6	15
70	Native nucleus pulposus tissue matrix promotes notochordal differentiation of human induced pluripotent stem cells with potential for treating intervertebral disc degeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 1053-1059.	4.0	39
71	Clinical Faceoff: Anterior Total Hip Versus Mini-Posterior: Which One is Better?. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 1192-1196.	1.5	4
72	Modulating Notochordal Differentiation of Human Induced Pluripotent Stem Cells Using Natural Nucleus Pulposus Tissue Matrix. <i>PLoS ONE</i> , 2014, 9, e100885.	2.5	34

#	ARTICLE	IF	CITATIONS
73	Medicolegal Sidebar: The Law and Social Values: Loss of Chance. <i>Clinical Orthopaedics and Related Research</i> , 2014, 472, 2923-2926.	1.5	5
74	Medicolegal Sidebar: State Medical Boards and Physician Disciplinary Actions. <i>Clinical Orthopaedics and Related Research</i> , 2014, 472, 28-31.	1.5	3
75	Physician Competence and Skill Part I: The Role of Hospital Corporate Liability. <i>Clinical Orthopaedics and Related Research</i> , 2014, 472, 1089-1092.	1.5	2
76	Review: Emerging developments in the use of bioactive glasses for treating infected prosthetic joints. <i>Materials Science and Engineering C</i> , 2014, 41, 224-231.	7.3	68
77	Improved Radiographic Outcomes With Patient-Specific Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2014, 29, 2100-2103.	3.1	41
78	Medicolegal Sidebar: Physician Competence and Skill Part II: Hospital Corporate Responsibility and New Technologies. <i>Clinical Orthopaedics and Related Research</i> , 2014, 472, 2023-2027.	1.5	2
79	Chapter 8: Nano-Bioceramics as Coatings for Orthopedic Implants and Scaffolds for Bone Regeneration. <i>Frontiers in Nanobiomedical Research</i> , 2014, , 343-391.	0.1	1
80	Care of the Professional Athlete: What Standard of Care?. <i>Clinical Orthopaedics and Related Research</i> , 2013, 471, 2060-2064.	1.5	2
81	Medicolegal Sidebar: Corporate Relationships and Increased Surgeon Liability Risk. <i>Clinical Orthopaedics and Related Research</i> , 2013, 471, 1092-1096.	1.5	2
82	Enhanced bone regeneration in rat calvarial defects implanted with surface-modified and BMP-loaded bioactive glass (13-93) scaffolds. <i>Acta Biomaterialia</i> , 2013, 9, 7506-7517.	8.3	54
83	Hollow hydroxyapatite microspheres: A novel bioactive and osteoconductive carrier for controlled release of bone morphogenetic protein-2 in bone regeneration. <i>Acta Biomaterialia</i> , 2013, 9, 8374-8383.	8.3	94
84	Corporate Malfeasance, Off-Label Use, and Surgeon Liability. <i>Clinical Orthopaedics and Related Research</i> , 2013, 471, 4-8.	1.5	10
85	Mechanical properties of bioactive glass (13-93) scaffolds fabricated by robotic deposition for structural bone repair. <i>Acta Biomaterialia</i> , 2013, 9, 7025-7034.	8.3	178
86	The Judgment Defense in Medical Malpractice. <i>Clinical Orthopaedics and Related Research</i> , 2013, 471, 3405-3408.	1.5	1
87	A Wake-up Call on the Hazards of Regulatory Mandates in Orthopaedic Surgery. <i>Journal of Bone and Joint Surgery - Series A</i> , 2012, 94, e116.	3.0	1
88	Effects of Low-Temperature Hydrogen Peroxide Gas Plasma Sterilization on In Vitro Cytotoxicity of Poly(ϵ -Caprolactone) (PCL). <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 2197-2206.	3.5	5
89	Orthopedic applications of silicon nitride ceramics. <i>Acta Biomaterialia</i> , 2012, 8, 2889-2898.	8.3	251
90	Making the Case for Anterior Total Hip Arthroplasty. <i>Seminars in Arthroplasty</i> , 2012, 23, 149-154.	0.7	4

#	ARTICLE	IF	CITATIONS
91	Anti-infective and osteointegration properties of silicon nitride, poly(ether ether ketone), and titanium implants. <i>Acta Biomaterialia</i> , 2012, 8, 4447-4454.	8.3	193
92	Decreased bacteria activity on Si ₃ N ₄ surfaces compared with PEEK or titanium. <i>International Journal of Nanomedicine</i> , 2012, 7, 4829.	6.7	93
93	Medical Malpractice Reform: The Role of Alternative Dispute Resolution. <i>Clinical Orthopaedics and Related Research</i> , 2012, 470, 1370-1378.	1.5	36
94	What to Disclose? Revisiting Informed Consent. <i>Clinical Orthopaedics and Related Research</i> , 2012, 470, 1346-1356.	1.5	15
95	Medical Liability of the Physician in Training. <i>Clinical Orthopaedics and Related Research</i> , 2012, 470, 1379-1385.	1.5	36
96	Evolving Medicolegal Concepts: Editorial Comment. <i>Clinical Orthopaedics and Related Research</i> , 2012, 470, 1344-1345.	1.5	0
97	Closed Medical Negligence Claims Can Drive Patient Safety and Reduce Litigation. <i>Clinical Orthopaedics and Related Research</i> , 2012, 470, 1398-1404.	1.5	29
98	The Relationship of the Canine Femoral Head to the Femoral Neck: An Anatomic Study with Relevance for Hip Arthroplasty Implant Design and Implantation. <i>Veterinary Surgery</i> , 2012, 41, 86-93.	1.0	6
99	Medical-legal issue. <i>Current Orthopaedic Practice</i> , 2011, 22, 227-230.	0.2	0
100	Porous and strong bioactive glass (13â€“93) scaffolds fabricated by freeze extrusion technique. <i>Materials Science and Engineering C</i> , 2011, 31, 1482-1489.	7.3	91
101	Alumina Ceramic Bearings in Total Hip Arthroplasty: The Rationale for Patient Selection. <i>Seminars in Arthroplasty</i> , 2011, 22, 254-257.	0.7	2
102	Bioactive Glass 13-93 as a Subchondral Substrate for Tissue-engineered Osteochondral Constructs: A Pilot Study. <i>Clinical Orthopaedics and Related Research</i> , 2011, 469, 2754-2763.	1.5	18
103	Bioactive glass in tissue engineering. <i>Acta Biomaterialia</i> , 2011, 7, 2355-2373.	8.3	1,421
104	Heterotopic Ossification After 2-Incision Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2010, 25, 538-540.	3.1	22
105	Preparation and <i>in vitro</i> evaluation of bioactive glass (13â€“93) scaffolds with oriented microstructures for repair and regeneration of load-bearing bones. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 1380-1390.	4.0	77
106	Silicate, borosilicate, and borate bioactive glass scaffolds with controllable degradation rate for bone tissue engineering applications. II. <i>In vitro</i> and <i>in vivo</i> biological evaluation. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 172-179.	4.0	163
107	<i>In vivo</i> evaluation of 13â€“93 bioactive glass scaffolds with trabecular and oriented microstructures in a subcutaneous rat implantation model. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 235-244.	4.0	58
108	<i>In vivo</i> outcomes of tissue-engineered osteochondral grafts. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 93B, 164-174.	3.4	35

#	ARTICLE	IF	CITATIONS
109	SiC nanoparticle-reinforced Al ₂ O ₃ -Nb composite as a potential femoral head material in total hip arthroplasty. <i>Materials Science and Engineering C</i> , 2010, 30, 1197-1203.	7.3	6
110	In vitro testing of Al ₂ O ₃ -Nb composite for femoral head applications in total hip arthroplasty. <i>Acta Biomaterialia</i> , 2010, 6, 708-714.	8.3	8
111	Ceramic Bearings in Total Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 2010, 20, 261-270.	1.6	17
112	Femoral Component Removal. , 2009, , 296-303.		0
113	What's New in Total Hip Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009, 91, 2522-2534.	3.0	23
114	Fabrication and Testing of Silicon Nitride Bearings in Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2009, 24, 110-116.	3.1	91
115	Effect of borate glass composition on its conversion to hydroxyapatite and on the proliferation of MC3T3-E1 cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 392-400.	4.0	156
116	Proliferation and function of MC3T3-E1 cells on freeze-cast hydroxyapatite scaffolds with oriented pore architectures. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 1159-1165.	3.6	20
117	Surgeon Demographics and Medical Malpractice in Adult Reconstruction. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 358-366.	1.5	21
118	Clinical Risk and Judicial Reasoning: Editorial Comment. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 323-324.	1.5	0
119	The Expert Witness in Medical Malpractice Litigation. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 383-391.	1.5	25
120	An Introduction to Medical Malpractice in the United States. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 339-347.	1.5	197
121	Alumina-tantalum composite for femoral head applications in total hip arthroplasty. <i>Materials Science and Engineering C</i> , 2009, 29, 1935-1941.	7.3	8
122	In vitro cellular response to hydroxyapatite scaffolds with oriented pore architectures. <i>Materials Science and Engineering C</i> , 2009, 29, 2147-2153.	7.3	42
123	Clinical fracture of cross-linked UHMWPE acetabular liners. <i>Biomaterials</i> , 2009, 30, 5572-5582.	11.4	149
124	Medical malpractice and arthroplasty surgery. <i>Current Orthopaedic Practice</i> , 2009, 20, 20-24.	0.2	2
125	The effect of devitalized trabecular bone on the formation of osteochondral tissue-engineered constructs. <i>Biomaterials</i> , 2008, 29, 4292-4299.	11.4	37
126	Functionally graded bioactive glass coating on magnesia partially stabilized zirconia (Mg-PSZ) for enhanced biocompatibility. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 2325-2333.	3.6	28

#	ARTICLE	IF	CITATIONS
127	Freeze casting of porous hydroxyapatite scaffolds. I. Processing and general microstructure. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 86B, 125-135.	3.4	149
128	Freeze casting of porous hydroxyapatite scaffolds. II. Sintering, microstructure, and mechanical behavior. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 86B, 514-522.	3.4	84
129	Testing of silicon nitride ceramic bearings for total hip arthroplasty. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 87B, 447-454.	3.4	61
130	Mechanical and in vitro performance of 13â€“93 bioactive glass scaffolds prepared by a polymer foam replication technique. Acta Biomaterialia, 2008, 4, 1854-1864.	8.3	267
131	Early Stages of Calcium Phosphate Formation on Bioactive Borosilicate Glass in Aqueous Phosphate Solution. Journal of the American Ceramic Society, 2008, 91, 1528-1533.	3.8	16
132	Tibial Post Failures in a Condylar Posterior Cruciate Substituting Total Knee Arthroplasty. Journal of Arthroplasty, 2008, 23, 650-655.	3.1	35
133	Evolution and Experience with Minimally Invasive Anterior Total Hip Arthroplasty Performed on an Orthopedic Table. Seminars in Arthroplasty, 2008, 19, 209-214.	0.7	1
134	From Two Incisions to One: The Technique of Minimally Invasive Total Hip Arthroplasty with the Anterior Approach. Seminars in Arthroplasty, 2008, 19, 215-224.	0.7	2
135	Freeze-cast hydroxyapatite scaffolds for bone tissue engineering applications. Biomedical Materials (Bristol), 2008, 3, 025005.	3.3	78
136	What's New in Total Hip Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2008, 90, 2043-2055.	3.0	25
137	Minimally invasive total hip arthroplasty with the anterior approach. Indian Journal of Orthopaedics, 2008, 42, 301.	1.1	28
138	A modified two-incision technique for primary total hip arthroplasty. Indian Journal of Orthopaedics, 2008, 42, 267.	1.1	0
139	Muscle damage in minimally invasive total hip arthroplasty: MRI evidence that it is not significant. Instructional Course Lectures, 2008, 57, 223-9.	0.2	20
140	A technique to direct and retrieve a free-hand interlocking screw. Journal of Surgical Orthopaedic Advances, 2008, 17, 282-3.	0.1	0
141	Septic Arthritis of the Hip in an Immune Competent Adult: The Significance of the Differential Diagnosis. Journal of the American Board of Family Medicine, 2007, 20, 307-309.	1.5	10
142	A Review of Ceramic Bearing Materials in Total Joint Arthroplasty. HIP International, 2007, 17, 21-30.	1.7	29
143	Primary Total Knee Arthroplasty Performed With a Minimally Invasive Surgery Subvastus Approach. Techniques in Knee Surgery, 2007, 6, 60-67.	0.1	3
144	The Significance of Metal Staining on Alumina Femoral Heads in Total Hip Arthroplasty. Journal of Arthroplasty, 2007, 22, 14-19.	3.1	34

#	ARTICLE	IF	CITATIONS
145	Failure of a Metal-Reinforced Tibial Post in Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2007, 22, 464-467.	3.1	17
146	Studies Presented in Poster Format at the Annual Meetings of the American Association of Hip and Knee Surgeons. <i>Journal of Arthroplasty</i> , 2007, 22, 17-20.	3.1	11
147	Medical Malpractice in Hip and Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2007, 22, 2-7.e4.	3.1	106
148	Preparation and bioactive characteristics of a porous 13 β 93 glass, and fabrication into the articulating surface of a proximal tibia. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 82A, 222-229.	4.0	100
149	Ceramics for Prosthetic Hip and Knee Joint Replacement. <i>Journal of the American Ceramic Society</i> , 2007, 90, 1965-1988.	3.8	294
150	Conversion of Bioactive Borosilicate Glass to Multilayered Hydroxyapatite in Dilute Phosphate Solution. <i>Journal of the American Ceramic Society</i> , 2007, 90, 070918221104004-???	3.8	7
151	A review of ceramic bearing materials in total joint arthroplasty. <i>HIP International</i> , 2007, 17, 21-30.	1.7	16
152	Anterior Trochanteric Slide Osteotomy for Primary Total Hip Arthroplasty. Review of Nonunion and Complications. <i>Journal of Arthroplasty</i> , 2006, 21, 59-63.	3.1	28
153	Ceramic Materials in Total Joint Arthroplasty. <i>Seminars in Arthroplasty</i> , 2006, 17, 94-101.	0.7	24
154	Bioactive Glasses for Nonbearing Applications in Total Joint Replacement. <i>Seminars in Arthroplasty</i> , 2006, 17, 102-112.	0.7	42
155	The Reliability of Modern Alumina Bearings in Total Hip Arthroplasty. <i>Seminars in Arthroplasty</i> , 2006, 17, 113-119.	0.7	18
156	Primary TKA With a Zirconia Ceramic Femoral Component. <i>Journal of Knee Surgery</i> , 2006, 19, 89-93.	1.6	27
157	Early Complications of Primary Total Hip Replacement Performed with a Two-Incision Minimally Invasive Technique. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 221-233.	3.0	40
158	Early Complications of Primary Total Hip Replacement Performed with a Two-Incision Minimally Invasive Technique. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 221-233.	3.0	27
159	A method for removing the polyethylene liner during revision total hip arthroplasty. <i>American Journal of Orthopedics</i> , 2006, 35, 242-3.	0.7	1
160	A Modified Two-Incision Technique for Primary Total Hip Replacement. <i>Seminars in Arthroplasty</i> , 2005, 16, 198-207.	0.7	1
161	Ceramic-on-ceramic versus ceramic-on-polyethylene bearings in total hip arthroplasty: Results of a multicenter prospective randomized study and update of modern ceramic total hip trials in the United States. <i>HIP International</i> , 2005, 15, 129-135.	1.7	10
162	Early Complications of Primary Total Hip Replacement Performed with a Two-Incision Minimally Invasive Technique. <i>Journal of Bone and Joint Surgery - Series A</i> , 2005, 87, 2432.	3.0	107

#	ARTICLE	IF	CITATIONS
163	Transcriptional Induction of Matrix Metalloproteinase-9 in the Chondrocyte and Synovocyte Cells Is Regulated via a Novel Mechanism: Evidence for Functional Cooperation between Serum Amyloid A-Activating Factor-1 and AP-1. <i>Journal of Immunology</i> , 2005, 175, 4039-4048.	0.8	45
164	Ceramic-on-ceramic versus ceramic-on-polyethylene bearings in total hip arthroplasty: Results of a multicenter prospective randomized study and update of modern ceramic total hip trials in the United States. <i>HIP International</i> , 2005, 15, 129-135.	1.7	13
165	Acute sepsis complicating degenerative arthritis of the hip joint: a report of three cases. <i>Journal of Surgical Orthopaedic Advances</i> , 2005, 14, 190-2.	0.1	0
166	Processing of grain-size functionally gradient bioceramics for implant applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2004, 15, 191-197.	3.6	9
167	Comparison of the response of primary human blood monocytes and the U937 human monocytic cell line to two different sizes of alumina ceramic particles. <i>Journal of Orthopaedic Research</i> , 2004, 22, 832-838.	2.3	47
168	Hot pressing of graded ultrafine-grained alumina bioceramics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 386, 384-389.	5.6	10
169	Induction of matrix metalloproteinase 1 gene expression is regulated by inflammation-responsive transcription factor SAF-1 in osteoarthritis. <i>Arthritis and Rheumatism</i> , 2003, 48, 134-145.	6.7	35
170	Polyethylene wear in cases using femoral stems of similar geometry, but different metals, porous layer, and modularity. <i>Journal of Arthroplasty</i> , 1998, 13, 492-499.	3.1	11
171	Trochanteric union following revision total hip arthroplasty. <i>Journal of Arthroplasty</i> , 1998, 13, 29-33.	3.1	44
172	Periprosthetic femoral osteolysis around an uncemented nonmodular moore prosthesis. <i>Journal of Arthroplasty</i> , 1997, 12, 346-349.	3.1	7
173	Trochanteric Osteotomy for Total Hip Arthroplasty: Six Variations and Indications for Their Use. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 1996, 4, 258-267.	2.5	47
174	Arthroscopic resection of a chondroblastoma in the knee. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 1995, 11, 216-219.	2.7	10
175	Understanding Silicon Nitride's Biological Properties: From Inert to Bioactive Ceramic. <i>Key Engineering Materials</i> , 0, 782, 289-296.	0.4	4
176	Chapter 7. Bioactive Glass Products Produced <i>via</i> Sintering. <i>RSC Smart Materials</i> , 0, , 161-182.	0.1	0