Clare M Rimnac

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2385781/publications.pdf

Version: 2024-02-01

141 papers	5,082 citations	70961 41 h-index	98622 67 g-index
145 all docs	145 docs citations	145 times ranked	3775 citing authors

#	Article	IF	Citations
1	Biomechanics of immature human cortical bone: A systematic review. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 125, 104889.	1.5	16
2	Unexpected Wear of a Uniquely Designed Moderately Cross-Linked Polyethylene in Total Hip Arthroplasty. Journal of Arthroplasty, 2022, 37, 1130-1135.	1.5	2
3	The High-cycle Fatigue Life of Cortical Bone Allografts Is Radiation Sterilization Dose-dependent: An In Vitro Study. Clinical Orthopaedics and Related Research, 2022, Publish Ahead of Print, .	0.7	3
4	Editorial: Opposites Attract at CORRÂ®â€"Machine Learning and Qualitative Research. Clinical Orthopaedics and Related Research, 2020, 478, 2193-2196.	0.7	14
5	Reply to Zadpoor: Fatigue mechanisms observed in bone provide insight to microarchitectured materials. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6986-6986.	3.3	0
6	Editorial: Minimizing Workplace Biasâ€"What Surgeons, Scientists, and Their Organizations Can Do. Clinical Orthopaedics and Related Research, 2020, 478, 691-693.	0.7	1
7	The importance of diversity, equity, and inclusion in orthopedic research. Journal of Orthopaedic Research, 2020, 38, 1661-1665.	1.2	10
8	Fracture, Fatigue, and Notch Behavior of PEEK. , 2019, , 67-82.		4
9	Crack initiation from a clinically relevant notch in a highly-crosslinked UHMWPE subjected to static and cyclic loading. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 91, 366-372.	1.5	6
10	Bone-inspired microarchitectures achieve enhanced fatigue life. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24457-24462.	3.3	51
11	Editorial: Reporting Gene Expression Analyses in CORRÂ®. Clinical Orthopaedics and Related Research, 2019, 477, 1525-1527.	0.7	2
12	Raman Biomarkers Are Associated with Cyclic Fatigue Life of Human Allograft Cortical Bone. Journal of Bone and Joint Surgery - Series A, 2019, 101, e85.	1.4	10
13	No Difference in Conventional Polyethylene Wear Between Yttria-stabilized Zirconia and Cobalt-chromium-molybdenum Femoral Heads at 10ÂYears. HSS Journal, 2018, 14, 60-66.	0.7	4
14	Are Radiographic and Direct Measures of Acetabular Polyethylene Wear Comparable?. Journal of Arthroplasty, 2018, 33, 2677-2683.	1.5	1
15	Viscoplastic crack initiation and propagation in crosslinked UHMWPE from clinically relevant notches up to 0.5 mm radius. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 77, 73-77.	1.5	6
16	Editorial: The Complexity of Reporting Race and Ethnicity in Orthopaedic Research. Clinical Orthopaedics and Related Research, 2018, 476, 917-920.	0.7	42
17	What Is the Incidence of Cobalt-Chromium Damage Modes on the Bearing Surface of Contemporary Femoral Component Designs for Total Knee Arthroplasty?. Journal of Arthroplasty, 2018, 33, 3313-3319.	1.5	7
18	Fretting and Corrosion Damage in Taper Adapter Sleeves for Ceramic Heads: A Retrieval Study. Journal of Arthroplasty, 2017, 32, 2887-2891.	1.5	19

#	Article	IF	Citations
19	Editorial: Do Orthopaedic Surgeons Belong on the Sidelines at American Football Games?. Clinical Orthopaedics and Related Research, 2017, 475, 2615-2618.	0.7	14
20	Raman spectral markers of collagen denaturation and hydration in human cortical bone tissue are affected by radiation sterilization and high cycle fatigue damage. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 75, 314-321.	1.5	27
21	Editorial: How Does CORR Â® Evaluate Survey Studies?. Clinical Orthopaedics and Related Research, 2017, 475, 2143-2145.	0.7	10
22	Do Stem Taper Microgrooves Influence Taper Corrosion in Total Hip Arthroplasty? A Matched Cohort Retrieval Study. Journal of Arthroplasty, 2017, 32, 1363-1373.	1.5	33
23	Technical Note:Is Corrosion a Threat to the Strength of the Taper Connection in Femoral Components of Total Hip Replacements?. Corrosion, 2017, 73, 1538-1543.	0.5	3
24	Editorial: The Graying of the (Funded) Musculoskeletal Scientist. Clinical Orthopaedics and Related Research, 2016, 474, 1745-1748.	0.7	1
25	Corrosion Damage and Wear Mechanisms in Long-Term Retrieved CoCr Femoral Components for Total Knee Arthroplasty. Journal of Arthroplasty, 2016, 31, 2900-2906.	1.5	48
26	Does Taper Size Have an Effect on Taper Damage in Retrieved Metal-on-Polyethylene Total Hip Devices?. Journal of Arthroplasty, 2016, 31, 277-281.	1.5	53
27	Development and Application of the Notched Tensile Test to UHMWPE. , 2016, , 721-738.		0
28	Material heterogeneity in cancellous bone promotes deformation recovery after mechanical failure. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2892-2897.	3.3	46
29	Gamma Radiation Sterilization Reduces the High-cycle Fatigue Life of Allograft Bone. Clinical Orthopaedics and Related Research, 2016, 474, 827-835.	0.7	33
30	Does Metal Transfer Differ on Retrieved Ceramic and CoCr Femoral Heads?. BioMed Research International, 2015, 2015, 1-10.	0.9	7
31	Fatigue-induced microdamage in cancellous bone occurs distant from resorption cavities and trabecular surfaces. Bone, 2015, 79, 8-14.	1.4	23
32	Is There A Difference in Bone Ingrowth in Modular Versus Monoblock Porous Tantalum Tibial Trays?. Journal of Arthroplasty, 2015, 30, 1073-1078.	1.5	11
33	Editorial: Estimating Survivorship in the Face of Competing Risks. Clinical Orthopaedics and Related Research, 2015, 473, 1173-1176.	0.7	40
34	Editorial: Arthroplasty Devices: Registries and Beyond. Clinical Orthopaedics and Related Research, 2015, 473, 403-405.	0.7	2
35	Microgrooved Surface Topography Does Not Influence Fretting Corrosion of Tapers in Total Hip Arthroplasty: Classification and Retrieval Analysis. , 2015, , 99-112.		6
36	Is Taper Fretting Corrosion a Threat to the Clinical Performance of Large-Diameter Hips with Highly Crosslinked Polyethylene Bearings?. , 2015, , 45-58.		3

#	Article	IF	Citations
37	Editorial. Clinical Orthopaedics and Related Research, 2014, 472, 391-392.	0.7	53
38	Loss of Cement-bone Interlock in Retrieved Tibial Components from Total Knee Arthroplasties. Clinical Orthopaedics and Related Research, 2014, 472, 304-313.	0.7	55
39	Editorial: Words Hurt - Avoiding Dehumanizing Language in Orthopaedic Research and Practice. Clinical Orthopaedics and Related Research, 2014, 472, 2561-2563.	0.7	10
40	Editorial: Basic Science, Applied Science, and Product Testing. Clinical Orthopaedics and Related Research, 2014, 472, 2311-2312.	0.7	2
41	Mechanically Assisted Taper Corrosion in Modular TKA. Journal of Arthroplasty, 2014, 29, 205-208.	1.5	39
42	Peak stress intensity factor governs crack propagation velocity in crosslinked ultrahighâ€molecularâ€weight polyethylene. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2013, 101B, 430-435.	1.6	6
43	Do Ceramic Femoral Heads Reduce Taper Fretting Corrosion in Hip Arthroplasty? A Retrieval Study. Clinical Orthopaedics and Related Research, 2013, 471, 3270-3282.	0.7	215
44	Oxidative properties and surface damage mechanisms of remelted highly crosslinked polyethylenes in total knee arthroplasty. International Orthopaedics, 2013, 37, 611-615.	0.9	19
45	Editorial: Active Management of Financial Conflicts of Interest on the Editorial Board of CORR. Clinical Orthopaedics and Related Research, 2013, 471, 3393-3394.	0.7	5
46	Monotonic and fatigue behavior of five clinically relevant conventional and highly crosslinked UHMWPEs in the presence of stress concentrations. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 28, 244-253.	1.5	8
47	Is Increased Modularity Associated With Increased Fretting and Corrosion Damage in Metal-On-Metal Total Hip Arthroplasty Devices?. Journal of Arthroplasty, 2013, 28, 2-6.	1.5	160
48	Application of viscoelastic fracture model and non-uniform crack initiation at clinically relevant notches in crosslinked UHMWPE. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 17, 11-21.	1.5	11
49	Microdamage Caused by Fatigue Loading in Human Cancellous Bone: Relationship to Reductions in Bone Biomechanical Performance. PLoS ONE, 2013, 8, e83662.	1.1	68
50	Retrieval analysis of Harris-Galante I and II acetabular liners in situ for more than 10 years. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 83, 366-373.	1.2	18
51	Irradiation Does Not Modify Mechanical Properties of Cancellous Bone Under Compression. Clinical Orthopaedics and Related Research, 2012, 470, 2488-2495.	0.7	9
52	Fracture, Fatigue, and Notch Behavior of PEEK. , 2012, , 61-73.		14
53	Does Vitamin Eâ€“Stabilized Ultrahigh-Molecular-Weight Polyethylene Address Concerns of Cross-Linked Polyethylene in Total Knee Arthroplasty?. Journal of Arthroplasty, 2012, 27, 461-469.	1.5	81
54	Post Damage in Contemporary Posterior-Stabilized Tibial Inserts. Journal of Arthroplasty, 2011, 26, 606-614.	1.5	10

#	Article	IF	Citations
55	In Vivo Oxidation Contributes to Delamination but not Pitting in Polyethylene Components for Total Knee Arthroplasty. Journal of Arthroplasty, 2011, 26, 802-810.	1.5	31
56	Crack Initiation in Retrieved Cross-Linked Highly Cross-Linked Ultrahigh-Molecular-Weight Polyethylene Acetabular Liners. Journal of Arthroplasty, 2011, 26, 796-801.	1.5	52
57	Crack Propagation Resistance Is Similar Under Static and Cyclic Loading in Crosslinked UHMWPE: A Pilot Study. Clinical Orthopaedics and Related Research, 2011, 469, 2302-2307.	0.7	12
58	Do First-generation Highly Crosslinked Polyethylenes Oxidize In Vivo?. Clinical Orthopaedics and Related Research, 2011, 469, 2278-2285.	0.7	40
59	Near-terminal creep damage does not substantially influence fatigue life under physiological loading. Journal of Biomechanics, 2011, 44, 1995-1998.	0.9	2
60	Effect of Non-Uniform Material De-Cohesion on Crack Initiation From Notches in Crosslinked UHMWPE. , 2011, , .		0
61	Wear and Material Performance of 1st Generation Highly Crosslinked Polyethylene Implanted up to 10 Years. Journal of Arthroplasty, 2010, 25, e2.	1.5	3
62	Reasons for Revision of First-Generation Highly Cross-Linked Polyethylenes. Journal of Arthroplasty, 2010, 25, 67-74.	1.5	37
63	Alterations in damage processes in dense cancellous bone following gamma-radiation sterilization. Journal of Biomechanics, 2010, 43, 1509-1513.	0.9	14
64	Notched fatigue behavior of PEEK. Biomaterials, 2010, 31, 9156-9162.	5.7	53
65	Reassessment of Computerized Wear Measurement for Total Hip Arthroplasty with Correction for Projectional Image Distortion. Journal of Bone and Joint Surgery - Series A, 2010, 92, 1858-1867.	1.4	28
66	Fatigue Crack Growth Behavior Evaluation of Grainex Mar-M 247 for NASAâ€™s High Temperature High Speed Turbine Seal Test Rig. Journal of Engineering for Gas Turbines and Power, 2009, 131, .	0.5	2
67	Development and Application of the Notched Tensile Test to UHMWPE. , 2009, , 473-483.		0
68	Analysis of Retrieved Ultraâ€“High-Molecular-Weight Polyethylene Tibial Components From Rotating-Platform Total Knee Arthroplasty. Journal of Arthroplasty, 2009, 24, 131-138.	1.5	24
69	On the assessment of oxidative and microstructural changes after in vivo degradation of historical UHMWPE knee components by means of vibrational spectroscopies and nanoindentation. Journal of Biomedical Materials Research - Part A, 2009, 89A, 530-538.	2.1	48
70	Notch sensitivity of PEEK in monotonic tension. Biomaterials, 2009, 30, 6485-6494.	5.7	69
71	Ultra high molecular weight polyethylene: Mechanics, morphology, and clinical behavior. Journal of the Mechanical Behavior of Biomedical Materials, 2009, 2, 433-443.	1.5	219
72	Gamma Inert Sterilization: A Solution to Polyethylene Oxidation?. Journal of Bone and Joint Surgery - Series A, 2009, 91, 839-849.	1.4	60

#	Article	IF	Citations
73	Notched stressâ€“strain behavior of a conventional and a sequentially annealed highly crosslinked UHMWPE. Biomaterials, 2008, 29, 4575-4583.	5.7	22
74	Static fracture resistance of ultra high molecular weight polyethylene using the single specimen normalization method. Polymer Testing, 2008, 27, 260-268.	2.3	19
75	Evaluation of J-initiation fracture toughness of ultra-high-molecular-weight polyethylene used in total joint replacements. Polymer Testing, 2008, 27, 616-620.	2.3	10
76	Clinical, Surface Damage and Oxidative Performance of Poly II Tibial Inserts After Long-Term Implantation. Journal of Long-Term Effects of Medical Implants, 2008, 18, 151-165.	0.2	12
77	How do material properties influence wear and fracture mechanisms?. Journal of the American Academy of Orthopaedic Surgeons, The, 2008, 16, S94-S100.	1.1	35
78	Fatigue Crack Growth Behavior Evaluation of Grainex Mar-M 247 for NASAâ€™s High Temperature, High Speed Turbine Seal Test Rig. , 2007, , 583.		0
79	The balance between endotoxin accumulation and clearance during particle-induced osteolysis in murine calvaria. Journal of Orthopaedic Research, 2007, 25, 361-369.	1.2	49
80	Fatigue Crack Growth Analyses of Aerospace Threaded Fastenersâ€”Part II: Material/Stress State and Bolt Strength. Journal of ASTM International, 2007, 4, 1-19.	0.2	0
81	Fatigue Crack Growth Analyses of Aerospace Threaded Fastenersâ€”Part III: Experimental Crack Growth Behavior. Journal of ASTM International, 2007, 4, 1-12.	0.2	1
82	Fatigue Crack Growth Analyses of Aerospace Threaded Fastenersâ€”Part IV: Numeric Analyses and Synthesis of All Results. Journal of ASTM International, 2007, 4, 1-27.	0.2	0
83	Zirconia versus Co-Cr Femoral Heads in Total Hip Arthroplasty. Clinical Orthopaedics and Related Research, 2006, 453, 86-90.	0.7	29
84	2006 OTTO AUFRANC AWARD PAPER: Significance of In Vivo Degradation for Polyethylene in Total Hip Arthroplasty. Clinical Orthopaedics and Related Research, 2006, 453, 47-57.	0.7	112
85	Anisotropy and oxidative resistance of highly crosslinked UHMWPE after deformation processing by solid-state ram extrusion. Biomaterials, 2006, 27, 24-34.	5.7	78
86	Fatigue crack propagation resistance of virgin and highly crosslinked, thermally treated ultra-high molecular weight polyethylene. Biomaterials, 2006, 27, 1550-1557.	5.7	114
87	Compliance calibration for fatigue crack propagation testing of ultra high molecular weight polyethylene. Biomaterials, 2006, 27, 4693-4697.	5.7	18
88	CLINICAL AND HISTOLOGIC RESULTS RELATED TO A LOW-MODULUS COMPOSITE TOTAL HIP REPLACEMENT STEM. Journal of Bone and Joint Surgery - Series A, 2006, 88, 1308-1314.	1.4	10
89	Ionizing radiation and orthopaedic prostheses. Nuclear Instruments & Methods in Physics Research B, 2005, 236, 30-37.	0.6	19
90	Molecular chain stretch is a multiaxial failure criterion for conventional and highly crosslinked UHMWPE. Journal of Orthopaedic Research, 2005, 23, 367-375.	1.2	35

#	Article	IF	Citations
91	Polyethylene and titanium particles induce osteolysis by similar, lymphocyte-independent, mechanisms. Journal of Orthopaedic Research, 2005, 23, 376-383.	1.2	91
92	Notch strengthening and hardening behavior of conventional and highly crosslinked UHMWPE under applied tensile loading. Biomaterials, 2005, 26, 3411-3426.	5.7	28
93	Large deformation compression induced crystallinity degradation of conventional and highly crosslinked UHMWPEs. Biomaterials, 2005, 26, 6430-6439.	5.7	26
94	In Vivo Degradation of Polyethylene Liners After Gamma Sterilization in Air. Journal of Bone and Joint Surgery - Series A, 2005, 87, 815-823.	1.4	89
95	Strain-Life Assessment of Grainex Mar-M 247 for NASAâ€™s Turbine Seal Test Facility. Journal of Engineering for Gas Turbines and Power, 2005, 127, 615-620.	0.5	3
96	Effect of Transforming Growth Factor Î²2 on Marrow-Infused Foam Poly(Propylene Fumarate) Tissue-Engineered Constructs for the Repair of Critical-Size Cranial Defects in Rabbits. Tissue Engineering, 2005, 11, 923-939.	4.9	31
97	IN VIVO DEGRADATION OF POLYETHYLENE LINERS AFTER GAMMA STERILIZATION IN AIR. Journal of Bone and Joint Surgery - Series A, 2005, 87, 815-823.	1.4	12
98	An augmented hybrid constitutive model for simulation of unloading and cyclic loading behavior of conventional and highly crosslinked UHMWPE. Biomaterials, 2004, 25, 2171-2178.	5.7	63
99	Backside Wear of Miller-Galante I and Insall-Burstein II Tibial Inserts. Clinical Orthopaedics and Related Research, 2004, 428, 198-206.	0.7	9
100	Strain-Life Assessment of Grainex Mar-M 247 for NASAâ€™s Turbine Seal Test Facility. , 2004, , 819.		0
101	THE EFFECT OF GAMMA RADIATION STERILIZATION ON THE FATIGUE CRACK PROPAGATION RESISTANCE OF HUMAN CORTICAL BONE. Journal of Bone and Joint Surgery - Series A, 2004, 86, 2648-2657.	1.4	69
102	Relationship between damage accumulation and mechanical property degradation in cortical bone: Microcrack orientation is important. Journal of Biomedical Materials Research Part B, 2003, 65A, 482-488.	3.0	21
103	Use of stereolithography to manufacture critical-sized 3D biodegradable scaffolds for bone ingrowth. Journal of Biomedical Materials Research Part B, 2003, 64B, 65-69.	3.0	451
104	Degradation of mechanical properties of UHMWPE acetabular liners following long-term implantation. Journal of Arthroplasty, 2003, 18, 68-78.	1.5	140
105	Poly(propylene fumarate) and Poly(DL-lactic-co-glycolic acid) as Scaffold Materials for Solid and Foam-Coated Composite Tissue-Engineered Constructs for Cranial Reconstruction. Tissue Engineering, 2003, 9, 495-504.	4.9	42
106	Adhesion Failure in Bonded Rubber Cylinders Part 2: Fatigue Life Prediction of External Ring-Shaped Cracks Using Tearing Energy Approach. Rubber Chemistry and Technology, 2003, 76, 365-385.	0.6	4
107	Use of stereolithography to manufacture critical-sized 3D biodegradable scaffolds for bone ingrowth. , 2003, 64B, 65.		1
108	EVALUATION OF CONTEMPORARY SOFTWARE METHODS USED TO QUANTIFY POLYETHYLENE WEAR AFTER TOTAL HIP ARTHROPLASTY. Journal of Bone and Joint Surgery - Series A, 2003, 85, 2410-2418.	1.4	34

#	Article	IF	Citations
109	In vitro degradation and fracture toughness of multilayered porous poly(propylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 T 159-164.	3.0	27
110	Thermomechanical behavior of virgin and highly crosslinked ultra-high molecular weight polyethylene used in total joint replacements. Biomaterials, 2002, 23, 3681-3697.	5.7	155
111	Fracture resistance of gamma radiation sterilized cortical bone allografts. Journal of Orthopaedic Research, 2001, 19, 927-934.	1.2	101
112	Mechanical behavior, wear surface morphology, and clinical performance of UHMWPE acetabular components after 10 years of implantation. Wear, 2001, 250, 152-158.	1.5	58
113	Cortical bone tissue resists fatigue fracture by deceleration and arrest of microcrack growth. Journal of Biomechanics, 2001, 34, 757-764.	0.9	80
114	Effect of Resin Type and Manufacturing Method on Wear of Polyethylene Tibial Components. Clinical Orthopaedics and Related Research, 2000, 376, 161-171.	0.7	55
115	Cyclic steady state stressâ€“strain behavior of UHMW polyethylene. Biomaterials, 2000, 21, 2081-2087.	5.7	57
116	The relationship between the clinical performance and large deformation mechanical behavior of retrieved UHMWPE tibial inserts. Biomaterials, 2000, 21, 283-291.	5.7	63
117	Osseointegration of Preformed Polymethylmethacrylate Craniofacial Prostheses Coated with Bone Marrow-Impregnated Poly (DL-Lactic-co-Glycolic Acid) Foam. Plastic and Reconstructive Surgery, 1999, 104, 705-712.	0.7	17
118	Osseointegration of Preformed Polymethylmethacrylate Craniofacial Prostheses Coated with Bone Marrow-Impregnated Poly (DL-Lactic-co-Glycolic Acid) Foam. Plastic and Reconstructive Surgery, 1999, 104, 705-712.	0.7	28
119	Predictive model for tensile true stress-strain behavior of chemically and mechanically degraded ultrahigh molecular weight polyethylene. Journal of Biomedical Materials Research Part B, 1998, 43, 241-248.	3.0	7
120	Strategies and materials for the XXI century. Knee, 1996, 3, 160-161.	0.8	0
121	Letter in Reply. Clinical Orthopaedics and Related Research, 1996, 323, 342.	0.7	0
122	Exponential model for the tensile true stress-strain behavior of as-irradiated and oxidatively degraded ultra high molecular weight polyethylene. Journal of Orthopaedic Research, 1996, 14, 755-761.	1.2	29
123	The Porous-Coated Anatomic Total Hip Prosthesis. Journal of Bone and Joint Surgery - Series A, 1996, 78, 755-66.	1.4	83
124	Cyclic compressive loading results in fatigue cracks in ultra high molecular weight polyethylene. Journal of Orthopaedic Research, 1995, 13, 143-146.	1.2	42
125	Effect of abnormal mineralization on the mechanical behavior of x-linked hypophosphatemic mice femora. Bone, 1995, 17, 271-278.	1.4	44
126	Chemical and mechanical degradation of UHMWPE: Report of the development of anin vitro test. Journal of Applied Biomaterials: an Official Journal of the Society for Biomaterials, 1994, 5, 17-21.	1.1	21

#	Article	IF	Citations
127	Fatigue crack propagation behavior of ultra high molecular weight polyethylene under mixed mode conditions. Journal of Biomedical Materials Research Part B, 1994, 28, 181-187.	3.0	26
128	An Analysis of the Head-Neck Taper Interface in Retrieved Hip Prostheses. Clinical Orthopaedics and Related Research, 1994, &NA;, 162???167.	0.7	68
129	The effect of temperature, stress and microstructure on the creep of compact bovine bone. Journal of Biomechanics, 1993, 26, 219-228.	0.9	52
130	Wear of Polyethylene in Total Joint Replacements Observations From Retrieved PCA Knee Implants. Clinical Orthopaedics and Related Research, 1992, &NA;, 126???134.	0.7	125
131	Metal Levels in Cemented Total Hip Arthroplasty. Clinical Orthopaedics and Related Research, 1992, &NA;, 66???74.	0.7	55
132	Effect of short-term hypomagnesemia on the chemical and mechanical properties of rat bone. Journal of Orthopaedic Research, 1992, 10, 774-783.	1.2	97
133	Failure of orthopedic implants: Three case histories. Materials Characterization, 1991, 26, 201-209.	1.9	11
134	J Integral measurements of ultra high molecular weight polyethylene. Polymer Engineering and Science, 1988, 28, 1586-1589.	1.5	44
135	On the nature of craze development and breakdown during fatigue. Journal of Materials Science Letters, 1983, 2, 325-328.	0.5	9
136	The fracture behaviour of a PXE/HIPS polyblend. Polymer, 1982, 23, 1977-1982.	1.8	7
137	Comments on ?The molecular weight dependence of fatigue crack propagation in polycarbonate?. Journal of Materials Science, 1982, 17, 1533-1537.	1.7	5
138	Fatigue Crack Growth Analyses of Aerospace Threaded Fastenersâ€”Part III: Experimental Crack Growth Behavior. , 0, , 17-17-12.		1
139	Fatigue Crack Growth Analyses of Aerospace Threaded Fastenersâ€”Part IV: Numeric Analyses and Synthesis of All Results. , 0, , 71-71-27.		0
140	Fatigue Crack Growth Analyses of Aerospace Threaded Fastenersâ€”Part II: Material/Stress State and Bolt Strength. , 0, , 141-141-18.		0
141	Dual-Energy X-Ray Absorptiometry (DEXA) Evaluation of the Bone Remodeling Effects of a Low-Modulus Composite Hip Stem After 2 Decades of Follow-Up. HSS Journal, 0, , 155633162211081.	0.7	0