

John H Currier

List of Publications by Year in descending order

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38
papers

1,581
citations

471509

17
h-index

454955

30
g-index

39
all docs

39
docs citations

39
times ranked

728
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of gamma sterilization on clinical performance of polyethylene in the knee. Journal of Arthroplasty, 1996, 11, 377-389.	3.1	245
2	Rim Cracking of the Cross-Linked Longevity Polyethylene Acetabular Liner After Total Hip Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2007, 89, 2212-2217.	3.0	160
3	Comparison of Cross-Linked Polyethylene Materials for Orthopaedic Applications. Clinical Orthopaedics and Related Research, 2003, 414, 289-304.	1.5	152
4	Rim Cracking of the Cross-Linked Longevity Polyethylene Acetabular Liner After Total Hip Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2007, 89, 2212-2217.	3.0	114
5	In Vivo Oxidation of \hat{I}^3 -Barrier \hat{I} €“Sterilized Ultra \hat{I} €“High-Molecular-Weight Polyethylene Bearings. Journal of Arthroplasty, 2007, 22, 721-731.	3.1	108
6	Overview of Polyethylene as a Bearing Material Comparison of Sterilization Methods. Clinical Orthopaedics and Related Research, 1996, 333, 76??86.	1.5	92
7	Femoral Stem Fracture and In Vivo Corrosion of Retrieved Modular Femoral Hips. Journal of Arthroplasty, 2012, 27, 1389-1396.e1.	3.1	80
8	Evaluation of Oxidation and Fatigue Damage of Retrieved Crossfire Polyethylene Acetabular Cups. Journal of Bone and Joint Surgery - Series A, 2007, 89, 2023-2029.	3.0	76
9	Effect of fabrication method and resin type on performance of tibial bearings. , 2000, 53, 143-151.		62
10	Shelf Life and In Vivo Duration; Impacts on Performance of Tibial Bearings. Clinical Orthopaedics and Related Research, 1997, 342, 111??122.	1.5	61
11	Evaluation of Oxidation and Fatigue Damage of Retrieved Crossfire Polyethylene Acetabular Cups. Journal of Bone and Joint Surgery - Series A, 2007, 89, 2023-2029.	3.0	56
12	Clinical Wear Measurement on Low Contact Stress Rotating Platform Knee Bearings. Journal of Arthroplasty, 2008, 23, 431-440.	3.1	54
13	Knee Wear Measured in Retrievals: A Polished Tray Reduces Insert Wear. Clinical Orthopaedics and Related Research, 2012, 470, 1860-1868.	1.5	50
14	A proposed mechanism for squeaking of ceramic-on-ceramic hips. Wear, 2010, 269, 782-789.	3.1	43
15	Analysis of Failed Ankle Arthroplasty Components. Foot and Ankle International, 2019, 40, 131-138.	2.3	28
16	Analysis of wear asymmetry in a series of 94 retrieved polyethylene tibial bearings. Journal of Biomechanics, 2005, 38, 367-375.	2.1	26
17	Evaluating the suitability of highly cross \hat{I} €linked and remelted materials for use in posterior stabilized knees. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 95B, 298-307.	3.4	18
18	Comparison of Wear and Oxidation in Retrieved Conventional and Highly Cross-Linked UHMWPE Tibial Inserts. Journal of Arthroplasty, 2015, 30, 2349-2353.	3.1	18

#	ARTICLE	IF	CITATIONS
19	Does Increased Topside Conformity in Modular Total Knee Arthroplasty Lead to Increased Backside Wear?. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 220-225.	1.5	17
20	The effect of radiation dose on the tensile and impact toughness of highly cross-linked and remelted ultrahigh-molecular weight polyethylenes. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011, 97B, 327-333.	3.4	16
21	γ -Irradiation of ultrahigh-molecular-weight polyethylene: Electron paramagnetic resonance and nuclear magnetic resonance spectroscopy and imaging studies of the mechanism of subsurface oxidation. <i>Journal of Polymer Science Part A</i> , 2004, 42, 5929-5941.	2.3	15
22	Effectiveness of anti-oxidant polyethylene: What early retrievals can tell us. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 353-359.	3.4	15
23	What factors drive polyethylene wear in total knee arthroplasty?. <i>Bone and Joint Journal</i> , 2021, 103-B, 1695-1701.	4.4	12
24	Metal Transfer on a Ceramic Head With a Single Rim Contact. <i>Journal of Arthroplasty</i> , 2012, 27, 324.e1-324.e4.	3.1	11
25	Tribological conditions in mobile bearing total knee prostheses. <i>Tribology International</i> , 2013, 63, 78-88.	5.9	11
26	A Multi-Station Rolling/Sliding Tribotester for Knee Bearing Materials. <i>Journal of Tribology</i> , 2004, 126, 380-385.	1.9	10
27	Contribution of micro-motion to backside wear in a fixed bearing total knee arthroplasty. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1933-1940.	2.3	7
28	Plastic Deformation from Edge Loading is Common on Retrieved Metal-on-Metal Hips and Can Be Predicted With Finite Element Analysis. , 2013, , 235-250.		7
29	Factors Related to Imprinting Corrosion in Modular Head-Neck Junctions. , 2015, , 83-98.		6
30	Wear Rate in a Series of Retrieved RP Knee Bearings. <i>Journal of ASTM International</i> , 2011, 8, 1-10.	0.2	3
31	Gouge features on metal-on-metal hip bearings can result from high stresses during rim contact. <i>Tribology International</i> , 2013, 63, 89-96.	5.9	2
32	Tobacco Exposure Is Associated With Extremely Low Polyethylene Oxidation in Total Knee Arthroplasty Components. <i>Arthroplasty Today</i> , 2021, 8, 243-246.	1.6	2
33	Metrology for Dual Taper Total Hip Arthroplasty. , 2015, , 164-180.		2
34	Damage and Wear: An Important Distinction in Rotating Platform Knee Bearings. <i>Journal of ASTM International</i> , 2011, 8, 1-10.	0.2	1
35	Damage and Wear: An Important Distinction in Rotating Platform Knee Bearings. , 2011, , 156-171.		1
36	Damage and Wear: An Important Distinction in Rotating Platform Knee Bearings. , 2011, , 156-171.		0

#	ARTICLE	IF	CITATIONS
37	Wear Rate in a Series of Retrieved RP Knee Bearings. , 2011, , 172-184.		0
38	Wear Rate in a Series of Retrieved RP Knee Bearings. , 2011, , 172-184.		0