

Susanna Stea

List of Publications by Year in descending order

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76
papers

2,334
citations

172457

29
h-index

233421

45
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77
all docs

77
docs citations

77
times ranked

2471
citing authors

#	ARTICLE	IF	CITATIONS
1	Early Diagnosis of Ceramic Liner Fracture. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 55-63.	3.0	168
2	Cell culture methods for testing Biocompatibility. <i>Clinical Materials</i> , 1994, 15, 173-190.	0.5	152
3	Cytokine release in mononuclear cells of patients with Co ^{Cr} hip prosthesis. <i>Biomaterials</i> , 1999, 20, 1079-1086.	11.4	111
4	A Comparison of Hydroxyapatite-Coated, Titanium-Coated, and Uncoated Tapered External-Fixation Pins. An in Vivo Study in Sheep*. <i>Journal of Bone and Joint Surgery - Series A</i> , 1998, 80, 547-54.	3.0	103
5	Cytotoxicity testing of cyanoacrylates using direct contact assay on cell cultures. <i>Biomaterials</i> , 1994, 15, 63-67.	11.4	80
6	Relationship between obesity and early failure of total knee prostheses. <i>BMC Musculoskeletal Disorders</i> , 2009, 10, 29.	1.9	79
7	Silicone breast implants: The role of immune system on capsular contracture formation. <i>Journal of Biomedical Materials Research Part B</i> , 1995, 29, 197-202.	3.1	76
8	Improvement of the Bone-Pin Interface with Hydroxyapatite Coating: An In Vivo Long-Term Experimental Study. <i>Journal of Orthopaedic Trauma</i> , 1996, 10, 236-242.	1.4	64
9	TRAIL inhibits osteoclastic differentiation by counteracting RANKL-dependent p27 ^{Kip1} accumulation in pre-osteoclast precursors. <i>Journal of Cellular Physiology</i> , 2008, 214, 117-125.	4.1	61
10	Short Stems Versus Conventional Stems in Cementless Total Hip Arthroplasty: A Long-Term Registry Study. <i>Journal of Arthroplasty</i> , 2018, 33, 1794-1799.	3.1	60
11	Essential Oils for Complementary Treatment of Surgical Patients: State of the Art. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-6.	1.2	56
12	Biocompatibility and performance in vitro of a hemostatic gelatin sponge. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2000, 11, 685-699.	3.5	55
13	Factors affecting aseptic loosening of 4750 total hip arthroplasties: multivariate survival analysis. <i>BMC Musculoskeletal Disorders</i> , 2007, 8, 69.	1.9	53
14	Improvement of the Bone-Screw Interface Strength with Hydroxyapatite-Coated and Titanium-Coated AO/ASIF Cortical Screws. <i>Journal of Orthopaedic Trauma</i> , 2002, 16, 257-263.	1.4	50
15	Expression of the CD69 activation antigen on lymphocytes of patients with hip prosthesis. <i>Biomaterials</i> , 2000, 21, 2059-2065.	11.4	46
16	Total Knee Replacement in Young Patients: Survival and Causes of Revision in a Registry Population. <i>Journal of Arthroplasty</i> , 2017, 32, 3368-3372.	3.1	45
17	Toxicity of cyanoacrylates in vitro using extract dilution assay on cell cultures. <i>Biomaterials</i> , 1994, 15, 92-96.	11.4	44
18	Multiscale investigation of the functional properties of the human femur. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008, 366, 3319-3341.	3.4	41

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19	Cytotoxicity testing of materials with limited in vivo exposure is affected by the duration of cell-material contact. , 1998, 42, 485-490.		40
20	Platelet and coagulation factor variations induced in vitro by polyethylene terephthalate (Dacron®) coated with pyrolytic carbon. Biomaterials, 1995, 16, 973-976.	11.4	36
21	Multiscale modelling of the skeleton for the prediction of the risk of fracture. Clinical Biomechanics, 2008, 23, 845-852.	1.2	36
22	Multinational Comprehensive Evaluation of the Fixation Method Used in Hip Replacement: Interaction with Age in Context. Journal of Bone and Joint Surgery - Series A, 2014, 96, 42-51.	3.0	36
23	A new method for isolation of polyethylene wear debris from tissue and synovial fluid. Biomaterials, 2004, 25, 5531-5537.	11.4	35
24	Highly porous titanium cup in cementless total hip arthroplasty: registry results at eight years. International Orthopaedics, 2019, 43, 1815-1821.	1.9	35
25	Association of Two Gene Polymorphisms With Osteoarthritis Secondary to Hip Dysplasia. Clinical Orthopaedics and Related Research, 2002, 403, 108-117.	1.5	33
26	What are the influencing factors on hip and knee arthroplasty survival? Prospective cohort study on 63619 arthroplasties. Orthopaedics and Traumatology: Surgery and Research, 2019, 105, 1251-1256.	2.0	32
27	Metal-on-metal hip prostheses: Correlation between debris in the synovial fluid and levels of cobalt and chromium ions in the bloodstream. International Orthopaedics, 2014, 38, 469-475.	1.9	31
28	Mutagenic potential of root canal sealers: Evaluation through Ames testing. Journal of Biomedical Materials Research Part B, 1994, 28, 319-328.	3.1	30
29	Phase transformation in explanted highly crystalline UHMWPE acetabular cups and debris after in vivo wear. Journal of Molecular Structure, 2006, 785, 98-105.	3.6	30
30	Endodontic cements induce alterations in the cell cycle of in vitro cultured osteoblasts. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 1995, 79, 359-366.	1.4	29
31	3 rd Generation Alumina-on-Alumina in Modular Hip Prosthesis: 13 to 18 Years Follow-up Results. HIP International, 2017, 27, 8-13.	1.7	29
32	Sister chromatid exchanges and ion release in patients wearing fracture fixation devices. , 2000, 50, 21-26.		28
33	Osteon Classification in Human Fibular Shaft by Circularly Polarized Light. Cells Tissues Organs, 2010, 191, 260-268.	2.3	25
34	Risk of Revision Following Total Hip Arthroplasty: Metal-on-Conventional Polyethylene Compared with Metal-on-Highly Cross-Linked Polyethylene Bearing Surfaces. Journal of Bone and Joint Surgery - Series A, 2014, 96, 19-24.	3.0	24
35	The influence of bearing surfaces on periprosthetic hip infections: analysis of thirty nine thousand, two hundred and six cementless total hip arthroplasties. International Orthopaedics, 2019, 43, 103-109.	1.9	24
36	International Comparative Evaluation of Knee Replacement with Fixed or Mobile Non-Posterior-Stabilized Implants. Journal of Bone and Joint Surgery - Series A, 2014, 96, 52-58.	3.0	22

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37	EARLY DIAGNOSIS OF CERAMIC LINER FRACTURE. Journal of Bone and Joint Surgery - Series A, 2006, 88, 55-63.	3.0	22
38	Assessment of Five Interleukins in Human Synovial Fluid as Possible Markers for Aseptic Loosening of Hip Arthroplasty. Artificial Organs, 2009, 33, 538-543.	1.9	21
39	International Comparative Evaluation of Knee Replacement with Fixed or Mobile-Bearing Posterior-Stabilized Prostheses. Journal of Bone and Joint Surgery - Series A, 2014, 96, 59-64.	3.0	20
40	Unicompartmental knee arthroplasty. Knee, 2014, 21, 1275-1279.	1.6	20
41	Is Cross-Linked Polyethylene an Improvement Over Conventional Ultra-High Molecular Weight Polyethylene in Total Knee Arthroplasty?. Journal of Arthroplasty, 2018, 33, 908-914.	3.1	20
42	Synovial fluid microanalysis allows early diagnosis of ceramic hip prosthesis damage. Journal of Orthopaedic Research, 2012, 30, 1312-1320.	2.3	19
43	Preoperative valgus deformity has twice the risk of failure as compared to varus deformity after total knee arthroplasty. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 3041-3047.	4.2	19
44	The Effect of Surface Material and Roughness on Bone Screw Stability. Journal of Orthopaedic Trauma, 1999, 13, 477-482.	1.4	18
45	Modeling the Cost-Effectiveness for Cement-Less and Hybrid Prosthesis in Total Hip Replacement in Emilia Romagna, Italy. Journal of Surgical Research, 2011, 169, 227-233.	1.6	17
46	Detection of cobalt in synovial fluid from metal-on-metal hip prosthesis: correlation with the ion haematic level. Biomarkers, 2013, 18, 699-705.	1.9	17
47	Safety of Pregnancy and Delivery after Total Hip Arthroplasty. Journal of Women's Health, 2007, 16, 1300-1304.	3.3	16
48	Assessment of viability and proliferation of in vivo silicone-primed lymphocytes after in vitro re-exposure to silicone. Journal of Biomedical Materials Research Part B, 1995, 29, 583-590.	3.1	15
49	Modulation of pro- and anti-apoptotic genes in lymphocytes exposed to bone cements. Journal of Biomaterials Science, Polymer Edition, 2000, 11, 633-646.	3.5	15
50	Hypoxia mediates osteocyte ORP150 expression and cell death in vitro. Molecular Medicine Reports, 2016, 14, 4248-4254.	2.4	15
51	In vitro sister chromatid exchange induced by glass ionomer cements. , 1998, 40, 545-550.		14
52	Unilateral versus bilateral total knee arthroplasty: A registry study on survival and risk factors. Orthopaedics and Traumatology: Surgery and Research, 2019, 105, 627-631.	2.0	14
53	Metal Ion Release: Also a Concern for Ceramic-on-Ceramic Couplings?. HIP International, 2014, 24, 321-326.	1.7	13
54	Surgical Repair of Achilles Tendon Ruptures Using Polypropylene Braid Augmentation. Foot and Ankle International, 1994, 15, 372-375.	2.3	12

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55	A pictographic atlas for classifying damage modes on polyethylene bearings. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 1137-1146.	3.6	12
56	In Vivo Damage of the Head-Neck Junction in Hard-on-Hard Total Hip Replacements: Effect of Femoral Head Size, Metal Combination, and 12/14 Taper Design. <i>Materials</i> , 2017, 10, 733.	2.9	11
57	Re-use of explanted osteosynthesis devices: A reliable and inexpensive reprocessing protocol. <i>Injury</i> , 2011, 42, 1101-1106.	1.7	10
58	Delta-on-Delta Ceramic Bearing Surfaces in Revision Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2019, 34, 2065-2071.	3.1	9
59	Is Laterality Associated With a Higher Rate of Hip Arthroplasty on the Dominant Side?. <i>Artificial Organs</i> , 2008, 32, 73-77.	1.9	8
60	Component positioning and ceramic damage in cementless ceramic-on-ceramic total hip arthroplasty. <i>Journal of Orthopaedic Science</i> , 2019, 24, 643-651.	1.1	8
61	No effect of methacrylate-based bone cement CMW 1 on the plasmatic phase of coagulation, red blood cells and endothelial cells in vitro. <i>Acta Orthopaedica</i> , 2001, 72, 86-93.	1.4	7
62	Vibrational spectroscopy study of the oxidation of Hylamer UHMWPE explanted acetabular cups sterilized differently. <i>Journal of Molecular Structure</i> , 2007, 834-836, 129-135.	3.6	7
63	In vivo response of heme-oxygenase-1 to metal ions released from metal-on-metal hip prostheses. <i>Molecular Medicine Reports</i> , 2016, 14, 474-480.	2.4	7
64	â€œTrunionitisâ€: A Cause for Concern?. <i>Seminars in Arthroplasty</i> , 2012, 23, 248-250.	0.7	6
65	Mixed ceramic combinations in primary total hip arthroplasty achieved reassuring mid-to-longterm outcomes. <i>Journal of Materials Science: Materials in Medicine</i> , 2020, 31, 56.	3.6	6
66	Cytotoxicity and capability of activating hemocoagulation of polybutyleneterephthalate filters. <i>Clinical Materials</i> , 1993, 14, 191-198.	0.5	5
67	Evaluation of tissue-factor production by human endothelial cells incubated with three acrylic bone cements. <i>Journal of Biomedical Materials Research Part B</i> , 2001, 55, 131-136.	3.1	5
68	Inflammatory Response to Metals and Ceramics. , 2002, , 735-791.		5
69	Ceramic Debris in Hip Prosthesis: Correlation Between Synovial Fluid and Joint Capsule. <i>Journal of Arthroplasty</i> , 2013, 28, 838-841.	3.1	5
70	Squeaking and other noises in patients with ceramic-on-ceramic total hip arthroplasty. <i>HIP International</i> , 2020, 30, 438-445.	1.7	5
71	Relationship Between Biometric Characteristics and Stem Size of Uncemented Hip Prostheses. <i>Artificial Organs</i> , 2007, 31, 480-483.	1.9	4
72	Monocyte Chemoattractant Protein 1 Expression in Synovial Fluid of Patients With Total Hip Arthroplasty. <i>Artificial Organs</i> , 2012, 36, 487-491.	1.9	3

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73	A Different Point of View on Sex and Risk of Hip Implant Failure and Failure Rate in Women. JAMA Internal Medicine, 2013, 173, 1557.	5.1	3
74	Alternative articulating surfaces for total hip replacement. Current Opinion in Orthopaedics, 1995, 6, 42-47.	0.3	1
75	Uncemented Primary Total Hip Arthroplasty, Presentation of Pain, and Expression of Osteonectin. Artificial Organs, 2013, 37, 561-566.	1.9	1
76	Unexpected Prevalence of Arthritis in Women's Right Hip. Artificial Organs, 2011, 35, 972-972.	1.9	0