

Arnd Steinbrück

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

525
citations

623734

14
h-index

677142

22
g-index

30
all docs

30
docs citations

30
times ranked

450
citing authors

#	ARTICLE	IF	CITATIONS
1	Periprosthetic bone remodelling of short-stem total hip arthroplasty: a systematic review. <i>International Orthopaedics</i> , 2018, 42, 2077-2086.	1.9	61
2	Influence of tibial rotation in total knee arthroplasty on knee kinematics and retropatellar pressure: an in vitro study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 2395-2401.	4.2	48
3	Femorotibial kinematics and load patterns after total knee arthroplasty: An in vitro comparison of posterior-stabilized versus medial-stabilized design. <i>Clinical Biomechanics</i> , 2016, 33, 42-48.	1.2	46
4	Patellofemoral contact patterns before and after total knee arthroplasty: an in vitro measurement. <i>BioMedical Engineering OnLine</i> , 2013, 12, 58.	2.7	43
5	Application and survival curve of total hip arthroplasties: a systematic comparative analysis using worldwide hip arthroplasty registers. <i>International Orthopaedics</i> , 2012, 36, 2197-2203.	1.9	27
6	Orthopaedic registries: the German experience. <i>EFORT Open Reviews</i> , 2019, 4, 401-408.	4.1	25
7	The effect of trochlea tilting on patellofemoral contact patterns after total knee arthroplasty: an in vitro study. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2014, 134, 867-872.	2.4	24
8	A new universal, standardized implant database for product identification: a unique tool for arthroplasty registries. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2015, 135, 919-926.	2.4	22
9	Increase in the Tibial Slope in Unicondylar Knee Replacement: Analysis of the Effect on the Kinematics and Ligaments in a Weight-Bearing Finite Element Model. <i>BioMed Research International</i> , 2018, 2018, 1-9.	1.9	21
10	Posterior cruciate ligament balancing in total knee arthroplasty: a numerical study with a dynamic force controlled knee model. <i>BioMedical Engineering OnLine</i> , 2014, 13, 91.	2.7	18
11	Can the metaphyseal anchored Metha short stem safely be revised with a standard CLS stem? A biomechanical analysis. <i>International Orthopaedics</i> , 2017, 41, 2471-2477.	1.9	17
12	Mediolateral femoral component position in TKA significantly alters patella shift and femoral roll-back. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 3561-3568.	4.2	17
13	Ceramic Coating in Cemented Primary Total Knee Arthroplasty is Not Associated With Decreased Risk of Revision due to Early Prosthetic Joint Infection. <i>Journal of Arthroplasty</i> , 2021, 36, 991-997.	3.1	17
14	Short versus conventional stem in cementless total hip arthroplasty. <i>Der Orthopade</i> , 2021, 50, 296-305.	1.6	17
15	Influence of mediolateral tibial baseplate position in TKA on knee kinematics and retropatellar pressure. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 2602-2608.	4.2	16
16	Increase in the Tibial Slope Reduces Wear after Medial Unicompartmental Fixed-Bearing Arthroplasty of the Knee. <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	14
17	TKA design-integrated trochlea groove rotation reduces patellofemoral pressure. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 1680-1692.	4.2	11
18	Rapid Prototyping for In Vitro Knee Rig Investigations of Prosthetized Knee Biomechanics: Comparison with Cobalt-Chromium Alloy Implant Material. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	10

#	ARTICLE	IF	CITATIONS
19	A lateral retinacular release during total knee arthroplasty changes femorotibial kinematics: an in vitro study. Archives of Orthopaedic and Trauma Surgery, 2018, 138, 401-407.	2.4	10
20	Medial stabilized and posterior stabilized TKA affect patellofemoral kinematics and retropatellar pressure distribution differently. Knee Surgery, Sports Traumatology, Arthroscopy, 2018, 26, 1743-1750.	4.2	10
21	Impact of tibial baseplate malposition on kinematics, contact forces and ligament tensions in TKA: A numerical analysis. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 103, 103564.	3.1	10
22	Secondary Patellar Resurfacing in TKA: A Combined Analysis of Registry Data and Biomechanical Testing. Journal of Clinical Medicine, 2021, 10, 1227.	2.4	9
23	Quantitative analysis of individual cell-free DNA concentration before and after penetrating trauma. International Journal of Legal Medicine, 2019, 133, 385-393.	2.2	7
24	Calculation of the elastic properties of prosthetic knee components with an iterative finite element-based modal analysis: quantitative comparison of different measuring techniques. Biomedizinische Technik, 2013, 58, 369-76.	0.8	4
25	Impact of femoro-tibial size combinations and TKA design on kinematics. Archives of Orthopaedic and Trauma Surgery, 2022, 142, 1197-1212.	2.4	3
26	Does total joint arthroplasty impair erectile function?. Archives of Medical Science, 2018, 14, 1087-1092.	0.9	2
27	Modified acetabular component liner designs are not superior to standard liners at reducing the risk of revision. Bone and Joint Journal, 2022, 104-B, 801-810.	4.4	2