

Bernd Grimm

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

1,836
citations

218592

26
h-index

289141

40
g-index

69
all docs

69
docs citations

69
times ranked

2381
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Current practice of orthopaedic surgical skills training raises performance of supervised residents in total knee arthroplasty to levels equal to those of orthopaedic surgeons. Perspectives on Medical Education, 2022, 7, 126-132. | 1.8 | 18 |
| 2 | Wearable technology in orthopedic trauma surgery – An AO trauma survey and review of current and future applications. Injury, 2022, 53, 1961-1965. | 0.7 | 6 |
| 3 | Generalizability of deep learning models for predicting outdoor irregular walking surfaces. Journal of Biomechanics, 2022, 139, 111159. | 0.9 | 6 |
| 4 | Development of a dynamic fall risk profile in elderly nursing home residents: A free field gait analysis based study. Archives of Gerontology and Geriatrics, 2021, 93, 104294. | 1.4 | 5 |
| 5 | Only limited correlations between patient-reported outcomes and objectively monitored physical activity 10-years after THA. Acta Orthopaedica Belgica, 2021, 87, 593-599. | 0.1 | 0 |
| 6 | Finding NEEMO: towards organizing smart digital solutions in orthopaedic trauma surgery. EFORT Open Reviews, 2020, 5, 408-420. | 1.8 | 5 |
| 7 | Patients with hip resurfacing arthroplasty are not physically more active than those with a stemmed total hip. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 91, 576-580. | 1.2 | 6 |
| 8 | Quality, but not quantity of physical activity is associated with metal ion concentrations in unilateral hip resurfacing. Journal of Orthopaedic Research, 2020, 38, 2206-2212. | 1.2 | 4 |
| 9 | Daily activity and functional performance in people with chronic disease: A cross-sectional study. Cogent Medicine, 2020, 7, . | 0.7 | 4 |
| 10 | Self-reported systemic complaints in patients with metal-on-metal hip arthroplasty. Journal of Orthopaedics, 2020, 18, 213-217. | 0.6 | 3 |
| 11 | The association of leg length and offset reconstruction after total hip arthroplasty with clinical outcomes. Clinical Biomechanics, 2019, 68, 89-95. | 0.5 | 20 |
| 12 | Assessing Gait in Parkinson's Disease Using Wearable Motion Sensors: A Systematic Review. Diseases (Basel, Switzerland), 2019, 7, 18. | 1.0 | 109 |
| 13 | Metal ion concentrations after metal-on-metal hip arthroplasty are not correlated with habitual physical activity levels. HIP International, 2019, 29, 638-646. | 0.9 | 7 |
| 14 | Are patients with knee osteoarthritis and patients with knee joint replacement as physically active as healthy persons?. Journal of Orthopaedic Translation, 2018, 14, 8-15. | 1.9 | 30 |
| 15 | Discrepancy and contradiction regarding fixation of hip stems with or without cement: survey among 765 hip arthroplasty specialists. HIP International, 2018, 28, 514-521. | 0.9 | 2 |
| 16 | Objective assessment of physical activity and sedentary behaviour in knee osteoarthritis patients – beyond daily steps and total sedentary time. BMC Musculoskeletal Disorders, 2018, 19, 64. | 0.8 | 43 |
| 17 | Leg power, pelvic movement and physical activity after periacetabular osteotomy. A prospective cohort study. Acta Orthopaedica Belgica, 2018, 84, 163-171. | 0.1 | 4 |
| 18 | Clinical validation of a body-fixed 3D accelerometer and algorithm for activity monitoring in orthopaedic patients. Journal of Orthopaedic Translation, 2017, 11, 19-29. | 1.9 | 32 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Physical activity after outpatient surgery and enhanced recovery for total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 3366-3371. | 2.3 | 46 |
| 20 | The Femoral Head Center Shifts in a Mediocaudal Direction During Aging. <i>Journal of Arthroplasty</i> , 2017, 32, 581-586. | 1.5 | 7 |
| 21 | Radiological Prediction of Posttraumatic Kyphosis After Thoracolumbar Fracture. <i>The Open Orthopaedics Journal</i> , 2016, 10, 135-142. | 0.1 | 21 |
| 22 | Evaluating physical function and activity in the elderly patient using wearable motion sensors. <i>EFORT Open Reviews</i> , 2016, 1, 112-120. | 1.8 | 53 |
| 23 | Validation of a novel activity monitor in impaired, slow-walking, crutch-supported patients. <i>Annals of Physical and Rehabilitation Medicine</i> , 2016, 59, 308-313. | 1.1 | 13 |
| 24 | Quantifying Habitual Levels of Physical Activity According to Impact in Older People: Accelerometry Protocol for the VIBE Study. <i>Journal of Aging and Physical Activity</i> , 2016, 24, 290-295. | 0.5 | 30 |
| 25 | Assessment of physical function following total hip arthroplasty: Inertial sensor based gait analysis is supplementary to patient-reported outcome measures. <i>Clinical Biomechanics</i> , 2016, 32, 171-179. | 0.5 | 34 |
| 26 | Validity of an inertial measurement unit to assess pelvic orientation angles during gait, sitâ€stand transfers and step-up transfers: Comparison with an optoelectronic motion capture system*. <i>Medical Engineering and Physics</i> , 2016, 38, 225-231. | 0.8 | 107 |
| 27 | Adjustments in 2011 KSS increase the clinical suitability. <i>Acta Orthopaedica Belgica</i> , 2016, 82, 43-51. | 0.1 | 1 |
| 28 | Frontal Plane Pelvic Motion during Gait Captures Hip Osteoarthritis Related Disability. <i>HIP International</i> , 2015, 25, 413-419. | 0.9 | 20 |
| 29 | Patient-reported outcome measures versus inertial performance-based outcome measures: A prospective study in patients undergoing primary total knee arthroplasty. <i>Knee</i> , 2015, 22, 618-623. | 0.8 | 76 |
| 30 | Physical functioning of low back pain patients: perceived physical functioning and functional capacity, but not physical activity is affected. <i>Disability and Rehabilitation</i> , 2015, 37, 2257-2263. | 0.9 | 5 |
| 31 | The Morphology of the Proximal Femoral Canal Continues to Change in the Very Elderly: Implications for Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2015, 30, 2328-2332. | 1.5 | 12 |
| 32 | Continuation rates of the subdermal contraceptive Implanon [®] and associated influencing factors. <i>European Journal of Contraception and Reproductive Health Care</i> , 2014, 19, 15-21. | 0.6 | 39 |
| 33 | Physical Activity and Bone: May the Force be with You. <i>Frontiers in Endocrinology</i> , 2014, 5, 20. | 1.5 | 36 |
| 34 | International Combined Orthopaedic Research Societies: A model for international collaboration to promote orthopaedic and musculoskeletal research. <i>Journal of Orthopaedic Translation</i> , 2014, 2, 165-169. | 1.9 | 1 |
| 35 | Clinimetric quality of the new 2011 Knee Society Score: High validity, low completion rate. <i>Knee</i> , 2014, 21, 647-654. | 0.8 | 34 |
| 36 | Inertia based functional scoring of the shoulder in clinical practice. <i>Physiological Measurement</i> , 2014, 35, 167-176. | 1.2 | 23 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Strong correlation between the morphology of the proximal femur and the geometry of the distal femoral trochlea. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 2900-2910. | 2.3 | 27 |
| 38 | The influence of age, muscle strength and speed of information processing on recovery responses to external perturbations in gait. <i>Gait and Posture</i> , 2014, 39, 513-517. | 0.6 | 16 |
| 39 | Objective outcome evaluation using inertial sensors in subacromial impingement syndrome: a five-year follow-up study. <i>Physiological Measurement</i> , 2014, 35, 677-686. | 1.2 | 13 |
| 40 | Early functional outcome after subvastus or parapatellar approach in knee arthroplasty is comparable: a performance-based trial with anatomical findings. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 1885-1886. | 2.3 | 2 |
| 41 | Accelerometry-based gait analysis, an additional objective approach to screen subjects at risk for falling. <i>Gait and Posture</i> , 2012, 36, 296-300. | 0.6 | 111 |
| 42 | Assessing function in patients undergoing joint replacement: a study protocol for a cohort study. <i>BMC Musculoskeletal Disorders</i> , 2012, 13, 220. | 0.8 | 15 |
| 43 | Importance of correcting for individual differences in the clinical diagnosis of gait disorders. <i>Physiotherapy</i> , 2012, 98, 320-324. | 0.2 | 20 |
| 44 | Inertial sensor motion analysis of gait, sitâ€™stand transfers and step-up transfers: differentiating knee patients from healthy controls. <i>Physiological Measurement</i> , 2012, 33, 1947-1958. | 1.2 | 49 |
| 45 | Long-Term Reduction of Wear and Osteolysis with Cross-Linked PE? 13-Year Follow-up of a Prospectively Randomized Comparison with Conventional PE. , 2012, , 59-70. | | 2 |
| 46 | Acceleration-Based Motion Analysis as a Tool for Rehabilitation. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2011, 90, 226-232. | 0.7 | 18 |
| 47 | Filters and electro-optic modulators on fiber end-faces. , 2011, , . | | 1 |
| 48 | The importance to including objective functional outcomes in the clinical follow up of total knee arthroplasty patients. <i>Knee</i> , 2011, 18, 306-311. | 0.8 | 53 |
| 49 | Early functional outcome after subvastus or parapatellar approach in knee arthroplasty is comparable. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 943-951. | 2.3 | 28 |
| 50 | Single cavity filters on end-faces of optical fibers. <i>Proceedings of SPIE</i> , 2010, , . | 0.8 | 1 |
| 51 | Correlation of Technetium-99m Scintigraphy, Progressive Acetabular Osteolysis and Acetabular Component Loosening in Total Hip Arthroplasty. <i>HIP International</i> , 2010, 20, 460-465. | 0.9 | 2 |
| 52 | A comparison of four systems for calibration when templating for total hip replacement with digital radiography. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2010, 92-B, 136-141. | 3.4 | 62 |
| 53 | Second harmonic generation in SiO ₂ solâ€™gel films functionalized with Ethyl-[4-(4-nitro-phenylazo)-phenyl]-(2-oxiranylmethoxy-ethyl)-amine (ENPMA) molecules. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 1689-1695. | 1.5 | 6 |
| 54 | Functional outcome of knee arthroplasty is dependent upon the evaluation method employed. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2009, 19, 415-422. | 0.6 | 12 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Patella retention versus replacement in total knee arthroplasty; functional and clinimetric aspects. Archives of Orthopaedic and Trauma Surgery, 2009, 129, 259-265. | 1.3 | 26 |
| 56 | Bone Remodeling and Hydroxyapatite Resorption in Coated Primary Hip Prostheses. Clinical Orthopaedics and Related Research, 2009, 467, 478-484. | 0.7 | 43 |
| 57 | Cross-linked Compared with Historical Polyethylene in THA: An 8-year Clinical Study. Clinical Orthopaedics and Related Research, 2009, 467, 979-984. | 0.7 | 79 |
| 58 | Acceleration-based gait test for healthy subjects: Reliability and reference data. Gait and Posture, 2009, 30, 192-196. | 0.6 | 126 |
| 59 | Preoperative bone quality as a factor in dual-energy X-ray absorptiometry analysis comparing bone remodelling between two implant types. International Orthopaedics, 2008, 32, 39-45. | 0.9 | 25 |
| 60 | Femoral fit in ABG-II hip stems, influence on clinical outcome and bone remodeling: a radiographic study. Archives of Orthopaedic and Trauma Surgery, 2008, 128, 1065-1072. | 1.3 | 27 |
| 61 | The determination of linear and angular penetration of the femoral head into the acetabular component as an assessment of wear in total hip replacement. Journal of Bone and Joint Surgery: British Volume, 2008, 90-B, 839-846. | 3.4 | 59 |
| 62 | Cementless Hemispheric Hydroxyapatite-Coated Sockets for Acetabular Revision. Journal of Arthroplasty, 2007, 22, 369-376. | 1.5 | 13 |
| 63 | Study of thermal conversion and patterning of a new soluble poly (p-phenylenevinylene) (PPV) precursor. Materials Science in Semiconductor Processing, 2007, 10, 77-89. | 1.9 | 20 |
| 64 | Functional improvement after unicompartmental knee replacement: a follow-up study with a performance based knee test. Knee Surgery, Sports Traumatology, Arthroscopy, 2007, 15, 1187-1193. | 2.3 | 27 |
| 65 | Crosslinked polyethylene compared to conventional polyethylene in total hip replacement: Pre-clinical evaluation, in-vitro testing and prospective clinical follow-up study. Monthly Notices of the Royal Astronomical Society: Letters, 2006, 77, 719-725. | 1.2 | 65 |
| 66 | Periprosthetic fractures around cementless hydroxyapatite-coated femoral stems. International Orthopaedics, 2005, 29, 235-240. | 0.9 | 21 |
| 67 | Use of Wearable Technology to Measure Activity in Orthopaedic Trauma Patients: A Systematic Review. Indian Journal of Orthopaedics, 0, , 1. | 0.5 | 2 |