# Ewald Unger

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7312616/publications.pdf

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|---|---|---|---|
| 36 papers | 483 citations | 858243 12 h-index | 799663 21 g-index |
| 37 all docs | 37 docs citations | 37 times ranked | 741 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Development of a 3D printed patient-specific neonatal brain simulation model using multimodality imaging for perioperative management. Pediatric Research, 2022, 91, 64-69. | 1.1 | 4 |
| 2 | Experimental nerve transfer model in the neonatal rat. Neural Regeneration Research, 2022, 17, 1088. | 1.6 | 2 |
| 3 | 3D printed patient-specific thorax phantom with realistic heterogenous bone radiopacity using filament printer technology. Zeitschrift Fur Medizinische Physik, 2022, 32, 438-452. | 0.6 | 14 |
| 4 | The impact of 3D-printed LAY-FOMM 40 and LAY-FOMM 60 on L929 cells and human oral fibroblasts. Clinical Oral Investigations, 2021, 25, 1869-1877. | 1.4 | 6 |
| 5 | Thermal effects of various drill materials during implant site preparationâ€"Ceramic vs. stainless steel drills: A comparative in vitro study in a standardised bovine bone model. Clinical Oral Implants Research, 2021, 32, 154-166. | 1.9 | 8 |
| 6 | Implantable Fiber Bragg Grating Sensor for Continuous Heart Activity Monitoring: Ex-Vivo and In-Vivo Validation. IEEE Sensors Journal, 2021, 21, 14051-14059. | 2.4 | 11 |
| 7 | Standard MRI-based attenuation correction for PET/MRI phantoms: a novel concept using MRI-visible polymer. EJNMMI Physics, 2021, 8, 18. | 1.3 | 8 |
| 8 | Cysto-Vaginoscopy of a 3D-Printed Cloaca Model: A Step toward Personalized Noninvasive Preoperative Assessment in Patients with Complex Anorectal Malformations. European Journal of Pediatric Surgery, 2021, , . | 0.7 | 3 |
| 9 | Thermal Effects during Bone Preparation and Insertion of Osseointegrated Transfemoral Implants. Sensors, 2021, 21, 6267. | 2.1 | 4 |
| 10 | Denervation Dynamics After Intramuscular BNT Injection in Patients With Focal Spasticity Monitored by MRI and Dynamometryâ€"a Blinded Randomized Controlled Pilot Study. Frontiers in Neurology, 2021, 12, 719030. | 1.1 | 0 |
| 11 | Classification of X-Ray Attenuation Properties of Additive Manufacturing and 3D Printing Materials Using Computed Tomography From 70 to 140ÂkVp. Frontiers in Bioengineering and Biotechnology, 2021, 9, 763960. | 2.0 | 14 |
| 12 | Optimization for customized trajectories in cone beam computed tomography. Medical Physics, 2020, 47, 4786-4799. | 1.6 | 18 |
| 13 | 3D Printed Biomimetic Rabbit Airway Simulation Model for Nasotracheal Intubation Training. Frontiers in Veterinary Science, 2020, 7, 587524. | 0.9 | 12 |
| 14 | Pull-out forces of headless compression screws in variations of synthetic bone models imitating different types of scaphoid fractures in good bone quality. Journal of Materials Science: Materials in Medicine, 2020, 31, 92. | 1.7 | 2 |
| 15 | Wrist movements induce torque and lever force in the scaphoid: an ex vivo study. Journal of Orthopaedic Surgery and Research, 2020, 15, 368. | 0.9 | 2 |
| 16 | Additively Manufactured Patient-Specific Anthropomorphic Thorax Phantom With Realistic Radiation Attenuation Properties. Frontiers in Bioengineering and Biotechnology, 2020, 8, 385. | 2.0 | 14 |
| 17 | Protocol analysis of dual-energy CT for optimization of kidney stone detection in virtual non-contrast reconstructions. European Radiology, 2020, 30, 4295-4305. | 2.3 | 17 |
| 18 | MiniVStimA: A miniaturized easy to use implantable electrical stimulator for small laboratory animals. PLoS ONE, 2020, 15, e0241638. | 1.1 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | An anthropomorphic phantom representing a prematurely born neonate for digital x-ray imaging using 3D printing: Proof of concept and comparison of image quality from different systems. Scientific Reports, 2019, 9, 14357. | 1.6 | 22 |
| 20 | Peripheral nerve transfers change target muscle structure and function. Science Advances, 2019, 5, eaau2956. | 4.7 | 46 |
| 21 | SpillOver stimulation: A novel hypertrophy model using co-contraction of the plantar-flexors to load the tibial anterior muscle in rats. PLoS ONE, 2018, 13, e0207886. | 1.1 | 12 |
| 22 | Introduction of a new repair technique in bony avulsion of the FDP tendon: A biomechanical study. Scientific Reports, 2018, 8, 9906. | 1.6 | 4 |
| 23 | In-situ measurements of tensile forces in the tibialis anterior tendon of the rat in concentric, isometric, and resisted co-contractions. Physiological Reports, 2017, 5, e13245. | 0.7 | 5 |
| 24 | Fascicular shifting: a novel technique to overcome large nerve defects. Journal of Neurosurgery: Spine, 2017, 27, 723-731. | 0.9 | 4 |
| 25 | A novel miniature in-line load-cell to measure in-situ tensile forces in the tibialis anterior tendon of rats. PLoS ONE, 2017, 12, e0185209. | 1.1 | 2 |
| 26 | Rotational Stability of Scaphoid Osteosyntheses: An In Vitro Comparison of Small Fragment Cannulated Screws to Novel Bone Screw Sets. PLoS ONE, 2016, 11, e0156080. | 1.1 | 11 |
| 27 | In vitro experimental investigation of the forces and torque acting on the scaphoid during light grasp. Journal of Orthopaedic Research, 2016, 34, 1734-1742. | 1.2 | 4 |
| 28 | Skeletal muscle ATP synthesis and cellular H+ handling measured by localized 31P-MRS during exercise and recovery. Scientific Reports, 2016, 6, 32037. | 1.6 | 33 |
| 29 | A finite element analysis of two novel screw designs for scaphoid waist fractures. Medical Engineering and Physics, 2016, 38, 131-139. | 0.8 | 20 |
| 30 | In Vitro Testing of an Implantable Wireless Telemetry System for Long-Term Electromyography Recordings in Large Animals. Artificial Organs, 2015, 39, 897-902. | 1.0 | 4 |
| 31 | Graft Remodeling following Transcrestal Sinus Floor Elevation via the Gel-Pressure Technique (GPT) and Pasteous Nano-Crystalline Hydroxyapatite Bone Substitute. Materials, 2015, 8, 3210-3220. | 1.3 | 1 |
| 32 | Same Same but Different. Different Trigeminal Chemoreceptors Share the Same Central Pathway. PLoS ONE, 2015, 10, e0121091. | 1.1 | 29 |
| 33 | Localized semi-LASER dynamic 31P magnetic resonance spectroscopy of the soleus during and following exercise at 7ÂT. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2015, 28, 493-501. | 1.1 | 23 |
| 34 | Drilling- and Withdrawing-Related Thermal Changes during Implant Site Osteotomies. Clinical Implant Dentistry and Related Research, 2015, 17, 32-43. | 1.6 | 22 |
| 35 | A novel standardized bone model for thermal evaluation of bone osteotomies with various irrigation methods. Clinical Oral Implants Research, 2014, 25, 622-631. | 1.9 | 38 |
| 36 | Thermal effects of a combined irrigation method during implant site drilling. A standardized in vitro study using a bovine rib model. Clinical Oral Implants Research, 2014, 25, 665-674. | 1.9 | 59 |