

# Olaf Andersen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9491631/publications.pdf>

Version: 2024-02-01

11  
papers

166  
citations

1307366

7  
h-index

1372474

10  
g-index

11  
all docs

11  
docs citations

11  
times ranked

224  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | A New Adsorbent Composite Material Based on Metal Fiber Technology and Its Application in Adsorption Heat Exchangers. <i>Energies</i> , 2015, 8, 8431-8446.  | 1.6 | 43        |
| 2  | Thermal energy storage with phase change materials to increase the efficiency of solar photovoltaic modules. <i>Energy Procedia</i> , 2017, 135, 193-202.  | 1.8 | 43        |
| 3  | Highly Porous Magnesium Alloy Structures and Their Properties Regarding Degradable Implant Application. <i>Advanced Engineering Materials</i> , 2014, 16, 309-318.   | 1.6 | 18        |
| 4  | Strongly Orthotropic Open Cell Porous Metal Structures for Heat Transfer Applications. <i>Metals</i> , 2018, 8, 554.   | 1.0 | 13        |
| 5  | New multifunctional lightweight materials based on cellular metals – manufacturing, properties and applications. <i>Journal of Physics: Conference Series</i> , 2009, 165, 012061.                             | 0.3 | 10        |
| 6  | Biodegradable open-porous scaffolds made of sintered magnesium W4 and WZ21 short fibres show biocompatibility in vitro and in long-term in vivo evaluation. <i>Acta Biomaterialia</i> , 2022, 148, 389-404.    | 4.1 | 10        |
| 7  | Automated Filling of Dry Micron-Sized Particles into Micro Mold Pattern within Planar Substrates for the Fabrication of Powder-Based 3D Microstructures. <i>Micromachines</i> , 2021, 12, 1176.                | 1.4 | 9         |
| 8  | Experimental and Numerical Evaluation of the Mechanical Behavior of Strongly Anisotropic Light-Weight Metallic Fiber Structures under Static and Dynamic Compressive Loading. <i>Materials</i> , 2016, 9, 398. | 1.3 | 7         |
| 9  | Heat Transfer and Fluid Flow in Sintered Metallic Fiber Structures. <i>Materials Science Forum</i> , 0, 638-642, 1884-1889.  | 0.3 | 6         |
| 10 | Metallic short fibers for liquid-phase oxidation reactions. <i>Journal of Molecular Catalysis A</i> , 2011, 335, 228-235.  | 4.8 | 6         |
| 11 | Tailored Magnetic Fields in the Melt Extraction of Metallic Filaments. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2009, 40, 337-344.             | 1.0 | 1         |