

# Benjamin Claus

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2563120/publications.pdf>

Version: 2024-02-01

8  
papers

272  
citations

1307594

7  
h-index

1588992

8  
g-index

8  
all docs

8  
docs citations

8  
times ranked

268  
citing authors

| # | ARTICLE  | IF  | CITATIONS |
|---|--|-----|-----------|
| 1 | High speed synchrotron x-ray phase contrast imaging of dynamic material response to split Hopkinson bar loading. <i>Review of Scientific Instruments</i> , 2013, 84, 025102.   | 1.3 | 82        |
| 2 | Experimental assessment of fracture of individual sand particles at different loading rates. <i>International Journal of Impact Engineering</i> , 2014, 68, 8-14.  | 5.0 | 70        |
| 3 | High speed X-ray phase contrast imaging of energetic composites under dynamic compression. <i>Applied Physics Letters</i> , 2016, 109, .   | 3.3 | 56        |
| 4 | Observation of Crack Propagation in Glass Using X-ray Phase Contrast Imaging. <i>International Journal of Applied Glass Science</i> , 2014, 5, 363-373.  | 2.0 | 23        |
| 5 | Visualization of dynamic fiber-matrix interfacial shear debonding. <i>Journal of Materials Science</i> , 2018, 53, 5845-5859.  | 3.7 | 15        |
| 6 | <i>In situ</i> observation of fracture processes in high-strength concretes and limestone using high-speed X-ray phase-contrast imaging. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160178. | 3.4 | 13        |
| 7 | Rate effects on fiber-matrix interfacial transverse debonding behavior. <i>Journal of Composite Materials</i> , 2020, 54, 501-517.   | 2.4 | 9         |
| 8 | Dynamic Experiments using Simultaneous Compression and Shear Loading. <i>Experimental Mechanics</i> , 2017, 57, 1359-1369.   | 2.0 | 4         |