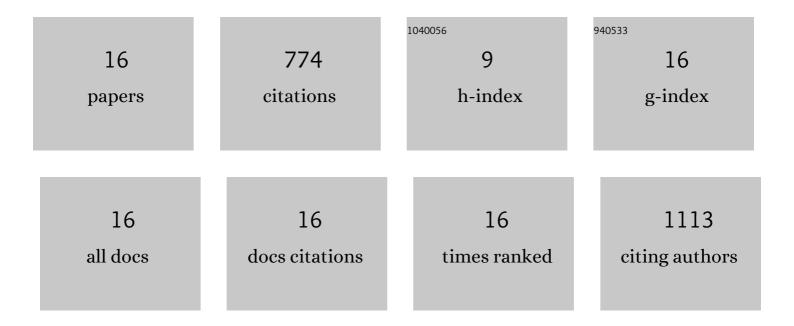
## Duane W Storti

List of Publications by Year in descending order

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DUANE W STORT

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | 3D-Printed Mechanochromic Materials. ACS Applied Materials & amp; Interfaces, 2015, 7, 577-583.   | 8.0  | 236       |
| 2  | The role of polymer mechanochemistry in responsive materials and additive manufacturing. Nature Reviews Materials, 2021, 6, 84-98.  | 48.7 | 151       |
| 3  | Production of Materials with Spatially-Controlled Cross-Link Density via Vat Photopolymerization.<br>ACS Applied Materials & Interfaces, 2016, 8, 29037-29043.  | 8.0  | 114       |
| 4  | Additive Manufacturing of Catalytically Active Living Materials. ACS Applied Materials &<br>Interfaces, 2018, 10, 13373-13380.  | 8.0  | 89        |
| 5  | Cross-linkable multi-stimuli responsive hydrogel inks for direct-write 3D printing. Polymer Chemistry, 2017, 8, 4199-4206.  | 3.9  | 53        |
| 6  | STABILITY OF IN-PHASE AND OUT-OF-PHASE MODES FOR A PAIR OF LINEARLY COUPLED VAN DER POL OSCILLATORS. Series on Stability, Vibration and Control of Systems - Series B, 1997, , 1-23.  | 0.2  | 41        |
| 7  | An Investigation of Coupled van der Pol Oscillators. Journal of Vibration and Acoustics, Transactions of the ASME, 2003, 125, 162-169.  | 1.6  | 24        |
| 8  | Coupled van der Pol oscillators as a simplified model for generation of neural patterns for jellyfish locomotion. Structural Control and Health Monitoring, 2006, 13, 417-429.  | 4.0  | 24        |
| 9  | Implicit Methods for Geometry Creation. International Journal of Computational Geometry and Applications, 1998, 08, 509-536.  | 0.5  | 16        |
| 10 | Treat All Integrals as Volume Integrals: A Unified, Parallel, Grid-Based Method for Evaluation of<br>Volume, Surface, and Path Integrals on Implicitly Defined Domains. Journal of Computing and<br>Information Science in Engineering, 2018, 18, 0210131-210139. | 2.7  | 7         |
| 11 | Data-Driven Additive Manufacturing Constraints for Topology Optimization. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2021, 143, .  | 2.2  | 6         |
| 12 | A Generalized Fictitious Node Approach for Surface Effect Correction in Peridynamic Simulation.<br>Journal of Peridynamics and Nonlocal Modeling, 2021, 3, 276-286.   | 2.9  | 5         |
| 13 | Wavelet SDF-Reps: Solid Modeling With Volumetric Scans. Journal of Computing and Information Science in Engineering, 2009, 9, .   | 2.7  | 3         |
| 14 | Interval Extensions of Signed Distance Functions: iSDF-reps and Reliable Membership Classification.<br>Journal of Computing and Information Science in Engineering, 2010, 10, .   | 2.7  | 2         |
| 15 | A Coarea Formulation for Grid-Based Evaluation of Volume Integrals. Journal of Computing and<br>Information Science in Engineering, 2020, 20, .   | 2.7  | 2         |
| 16 | High-Productivity Parallelism With Python Plus Packages (But Without a Cluster). Computing in<br>Science and Engineering, 2021, 23, 38-46.  | 1.2  | 1         |