

Duane W Storti

List of Publications by Year in descending order

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1039406

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1113
citing authors

#	ARTICLE	IF	CITATIONS
1	3D-Printed Mechanochromic Materials. ACS Applied Materials & Interfaces, 2015, 7, 577-583.	4.0	236
2	The role of polymer mechanochemistry in responsive materials and additive manufacturing. Nature Reviews Materials, 2021, 6, 84-98.	23.3	151
3	Production of Materials with Spatially-Controlled Cross-Link Density via Vat Photopolymerization. ACS Applied Materials & Interfaces, 2016, 8, 29037-29043.	4.0	114
4	Additive Manufacturing of Catalytically Active Living Materials. ACS Applied Materials & Interfaces, 2018, 10, 13373-13380.	4.0	89
5	Cross-linkable multi-stimuli responsive hydrogel inks for direct-write 3D printing. Polymer Chemistry, 2017, 8, 4199-4206.	1.9	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.	1.0	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.	1.9	24
9	Implicit Methods for Geometry Creation. International Journal of Computational Geometry and Applications, 1998, 08, 509-536.	0.3	16
10	Treat All Integrals as Volume Integrals: A Unified, Parallel, Grid-Based Method for Evaluation of Volume, Surface, and Path Integrals on Implicitly Defined Domains. Journal of Computing and Information Science in Engineering, 2018, 18, 0210131-210139.	1.7	7
11	Data-Driven Additive Manufacturing Constraints for Topology Optimization. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2021, 143, .	1.3	6
12	A Generalized Fictitious Node Approach for Surface Effect Correction in Peridynamic Simulation. Journal of Peridynamics and Nonlocal Modeling, 2021, 3, 276-286.	1.4	5
13	Wavelet SDF-Reps: Solid Modeling With Volumetric Scans. Journal of Computing and Information Science in Engineering, 2009, 9, .	1.7	3
14	Interval Extensions of Signed Distance Functions: iSDF-reps and Reliable Membership Classification. Journal of Computing and Information Science in Engineering, 2010, 10, .	1.7	2
15	A Coarea Formulation for Grid-Based Evaluation of Volume Integrals. Journal of Computing and Information Science in Engineering, 2020, 20, .	1.7	2
16	High-Productivity Parallelism With Python Plus Packages (But Without a Cluster). Computing in Science and Engineering, 2021, 23, 38-46.	1.2	1