

Thomas J Wallin

List of Publications by Year in descending order

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15
papers

1,650
citations

687363

13
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

2474
citing authors

#	ARTICLE	IF	CITATIONS
1	3D printing of soft robotic systems. <i>Nature Reviews Materials</i> , 2018, 3, 84-100.	48.7	620
2	3D printing antagonistic systems of artificial muscle using projection stereolithography. <i>Bioinspiration and Biomimetics</i> , 2015, 10, 055003.	2.9	225
3	Highly Elastic, Transparent, and Conductive 3D-Printed Ionic Composite Hydrogels. <i>Advanced Functional Materials</i> , 2017, 27, 1701807.	14.9	162
4	Click chemistry stereolithography for soft robots that self-heal. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6249-6255.	5.8	126
5	Autonomic perspiration in 3D-printed hydrogel actuators. <i>Science Robotics</i> , 2020, 5, .	17.6	121
6	Nanoscale Ionic Materials. <i>Chemistry of Materials</i> , 2014, 26, 84-96.	6.7	85
7	3D printable tough silicone double networks. <i>Nature Communications</i> , 2020, 11, 4000.	12.8	74
8	Hierarchical chemomechanical encoding of multi-responsive hydrogel actuators <i>via</i> 3D printing. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15395-15403.	10.3	73
9	Machine learning generative models for automatic design of multi-material 3D printed composite solids. <i>Extreme Mechanics Letters</i> , 2020, 41, 100992.	4.1	43
10	3D Printing of Viscoelastic Suspensions via Digital Light Synthesis for Tough Nanoparticle-“Elastomer Composites. <i>Advanced Materials</i> , 2020, 32, e2001646.	21.0	31
11	Multi-material direct ink writing of photocurable elastomeric foams. <i>Communications Materials</i> , 2021, 2, .	6.9	28
12	Optical stereolithography of antifouling zwitterionic hydrogels. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2855-2864.	5.8	20
13	Making bioinspired 3D-printed autonomic perspiring hydrogel actuators. <i>Nature Protocols</i> , 2021, 16, 2068-2087.	12.0	18
14	Acoustophoretic Liquefaction for 3D Printing Ultrahigh-Viscosity Nanoparticle Suspensions. <i>Advanced Materials</i> , 2022, 34, e2106183.	21.0	14
15	Stereolithography for Personalized Left Atrial Appendage Occluders. <i>Advanced Materials Technologies</i> , 2018, 3, 1800233.	5.8	10