

# Daehoon Han

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3605348/publications.pdf>

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18  
papers

1,239  
citations

759233

12  
h-index

996975

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g-index

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all docs

18  
docs citations

18  
times ranked

1763  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft Robotic Manipulation and Locomotion with a 3D Printed Electroactive Hydrogel. ACS Applied Materials & Interfaces, 2018, 10, 17512-17518.	8.0	258
2	4D printing reconfigurable, deployable and mechanically tunable metamaterials. Materials Horizons, 2019, 6, 1244-1250.	12.2	182
3	4D Printing of a Bioinspired Microneedle Array with Backward-Facing Barbs for Enhanced Tissue Adhesion. Advanced Functional Materials, 2020, 30, 1909197.	14.9	180
4	Micro 3D Printing of a Temperature-Responsive Hydrogel Using Projection Micro-Stereolithography. Scientific Reports, 2018, 8, 1963.	3.3	178
5	Recent advances in multi-material additive manufacturing: methods and applications. Current Opinion in Chemical Engineering, 2020, 28, 158-166.	7.8	130
6	Rapid multi-material 3D printing with projection micro-stereolithography using dynamic fluidic control. Additive Manufacturing, 2019, 27, 606-615.	3.0	106
7	Self-assembly of free-standing RNA membranes. Nature Communications, 2014, 5, 4367.	12.8	60
8	Enzymatic size control of RNA particles using complementary rolling circle transcription (cRCT) method for efficient siRNA production. Chemical Communications, 2014, 50, 11665-11667.	4.1	33
9	Self-Limiting Electro spray Deposition for the Surface Modification of Additively Manufactured Parts. ACS Applied Materials & Interfaces, 2020, 12, 20901-20911.	8.0	29
10	Improving Surface Roughness of Additively Manufactured Parts Using a Photopolymerization Model and Multi-Objective Particle Swarm Optimization. Applied Sciences (Switzerland), 2019, 9, 151.	2.5	25
11	Modeling of fiber-reinforced polymeric gels. Mechanics Research Communications, 2019, 96, 7-18.	1.8	22
12	Multimaterial Printing for Cephalopod-Inspired Light-Responsive Artificial Chromatophores. ACS Applied Materials & Interfaces, 2021, 13, 12735-12745.	8.0	19
13	Self-Assembled DNA-based giant thrombin nanoparticles for controlled release. Biotechnology Journal, 2013, 8, 215-220.	3.5	7
14	Multiplexing Enhancement for the Detection of Multiple Pathogen DNA. Journal of Nanoscience and Nanotechnology, 2013, 13, 7295-7299.	0.9	7
15	Aptamer-Based Microspheres for Highly Sensitive Protein Detection Using Fluorescently-Labeled DNA Nanostructures. Journal of Nanoscience and Nanotechnology, 2013, 13, 7259-7263.	0.9	1
16	Design, Development and Evaluation of a Two Way Actuated Steerable Needle. , 2015, , .		1
17	Projection Micro-Stereolithography of Temperature Responsive Mechanically Tough Hydrogels. , 2016, , .		1
18	Rapid Multi-material 3D Printing with Projection Micro-Stereolithography using an Enclosed Printing Chamber. , 2018, , .		0