

Jeong-Hyun Cho

List of Publications by Year in descending order

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38
papers

979
citations

567281

15
h-index

434195

31
g-index

39
all docs

39
docs citations

39
times ranked

1496
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale Origami for 3D Optics. <i>Small</i> , 2011, 7, 1943-1948.	10.0	145
2	Enhanced Lithium Ion Battery Cycling of Silicon Nanowire Anodes by Template Growth to Eliminate Silicon Underlayer Islands. <i>Nano Letters</i> , 2013, 13, 5740-5747.	9.1	105
3	Self-Assembly of Lithographically Patterned Nanoparticles. <i>Nano Letters</i> , 2009, 9, 4049-4052.	9.1	98
4	Silicon Nanowire Degradation and Stabilization during Lithium Cycling by SEI Layer Formation. <i>Nano Letters</i> , 2014, 14, 3088-3095.	9.1	89
5	Directed growth of fibroblasts into three dimensional micropatterned geometries via self-assembling scaffolds. <i>Biomaterials</i> , 2010, 31, 1683-1690.	11.4	87
6	Curving Nanostructures Using Extrinsic Stress. <i>Advanced Materials</i> , 2010, 22, 2320-2324.	21.0	62
7	Three Dimensional Nanofabrication Using Surface Forces. <i>Langmuir</i> , 2010, 26, 16534-16539.	3.5	59
8	Self-Assembly Based on Chromium/Copper Bilayers. <i>Journal of Microelectromechanical Systems</i> , 2009, 18, 784-791.	2.5	46
9	Self-Assembled Three-Dimensional Graphene-Based Polyhedrons Inducing Volumetric Light Confinement. <i>Nano Letters</i> , 2017, 17, 1987-1994.	9.1	45
10	Plastic Deformation Drives Wrinkling, Saddling, and Wedging of Annular Bilayer Nanostructures. <i>Nano Letters</i> , 2010, 10, 5098-5102.	9.1	29
11	In Situ Monitored Self-Assembly of Three-Dimensional Polyhedral Nanostructures. <i>Nano Letters</i> , 2016, 16, 3655-3660.	9.1	23
12	Self-Assembled Multifunctional 3D Microdevices. <i>Advanced Electronic Materials</i> , 2016, 2, 1500459.	5.1	20
13	Tunable Optical Transparency in Self-Assembled Three-Dimensional Polyhedral Graphene Oxide. <i>ACS Nano</i> , 2016, 10, 9586-9594.	14.6	18
14	Ion-Induced Localized Nanoscale Polymer Reflow for Three-Dimensional Self-Assembly. <i>ACS Nano</i> , 2018, 12, 10251-10261.	14.6	18
15	Small-Scale Biological and Artificial Multidimensional Sensors for 3D Sensing. <i>Small</i> , 2018, 14, e1801145.	10.0	16
16	Self-folding nanostructures with imprint patterned surfaces (SNIPS). <i>Faraday Discussions</i> , 2016, 191, 61-71.	3.2	13
17	Plasma Triggered Grain Coalescence for Self-Assembly of 3D Nanostructures. <i>Nano-Micro Letters</i> , 2017, 9, 27.	27.0	13
18	Self-Assembled 3D Nanosplit Rings for Plasmon-Enhanced Optofluidic Sensing. <i>Nano Letters</i> , 2020, 20, 6697-6705.	9.1	13

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19	Displacement Current Mediated Resonances in Terahertz Metamaterials. <i>Advanced Optical Materials</i> , 2016, 4, 1302-1309.	7.3	12
20	Three-Dimensional Anisotropic Metamaterials as Triaxial Optical Inclinometers. <i>Scientific Reports</i> , 2017, 7, 2680.	3.3	11
21	Nano-Architecture Driven Plasmonic Field Enhancement in 3D Graphene Structures. <i>ACS Nano</i> , 2019, 13, 1050-1059.	14.6	11
22	Remotely Controlled Microscale 3D Self-Assembly Using Microwave Energy. <i>Advanced Materials Technologies</i> , 2017, 2, 1700035.	5.8	9
23	Electron Irradiation Driven Nanohands for Sequential Origami. <i>Nano Letters</i> , 2020, 20, 4975-4984.	9.1	9
24	Hybridized Radial and Edge Coupled 3D Plasmon Modes in Self-Assembled Graphene Nanocylinders. <i>Small</i> , 2021, 17, e2100079.	10.0	8
25	A Three Dimensional Self-folding Package (SFP) for Electronics. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1249, 1.	0.1	6
26	Three-Dimensionally Coupled THz Octagrams as Isotropic Metamaterials. <i>ACS Photonics</i> , 2017, 4, 2436-2445.	6.6	6
27	Electron Beam Maneuvering of a Single Polymer Layer for Reversible 3D Self-Assembly. <i>Nano Letters</i> , 2021, 21, 2066-2073.	9.1	3
28	3D Nanofabrication: Nanoscale Origami for 3D Optics (<i>Small</i> 14/2011). <i>Small</i> , 2011, 7, 1850-1850.	10.0	1
29	Patterning Anodic Porous Alumina with Resist Developers for Patterned Nanowire Formation. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1785, 13-18.	0.1	1
30	Terahertz Metamaterials: Displacement Current Mediated Resonances in Terahertz Metamaterials (<i>Advanced Optical Materials</i> 8/2016). <i>Advanced Optical Materials</i> , 2016, 4, 1312-1312.	7.3	1
31	Fabrication of Nanopillar-Based Split Ring Resonators for Displacement Current Mediated Resonances in Terahertz Metamaterials. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	1
32	Realization of Curved Circular Nanotubes Using In Situ Monitored Self-Assembly. <i>Nano Letters</i> , 2022, , .	9.1	1
33	A Facile Method for Patterning Substrates with Zinc Oxide Nanowires. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1174, 105.	0.1	0
34	3D Microelectronics: Self-Assembled Multifunctional 3D Microdevices (<i>Adv. Electron. Mater.</i> 6/2016). <i>Advanced Electronic Materials</i> , 2016, 2, .	5.1	0
35	Fabrication of Three-Dimensional Graphene-Based Polyhedrons via Origami-Like Self-Folding. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	0
36	3D Sensing: Small-Scale Biological and Artificial Multidimensional Sensors for 3D Sensing (<i>Small</i>) <i>Tj ETQq0 0 0 rgBT/Overlock</i> 10 Tf 50 6	10.0	0

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37	Graphene Nanocylinders: Hybridized Radial and Edge Coupled 3D Plasmon Modes in Self-Assembled Graphene Nanocylinders (Small 14/2021). Small, 2021, 17, 2170064.	10.0	0
38	Nanoscale Self-Assembly Using Ion and Electron Beam Techniques: A Rapid Review. MRS Advances, 2020, 5, 3507-3520.	0.9	0