

Shogo Hamada

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

840
citations

840585

11
h-index

752573

20
g-index

26
all docs

26
docs citations

26
times ranked

1017
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacing DNA hydrogels with ceramics for biofunctional architectural materials. <i>Materials Today</i> , 2022, 53, 98-105.	8.3	7
2	<i>Molecular Robotics</i> , 2021, , 1-17.		2
3	Three-dimensional nanoparticle assemblies with tunable plasmonics via a layer-by-layer process. <i>Nano Today</i> , 2020, 30, 100823.	6.2	10
4	DNA-based engineering system for improving human and environmental health: Identification, detection, and treatment. <i>Nano Today</i> , 2020, 35, 100958.	6.2	15
5	Enzyme-based fabrication of physical DNA hydrogels: new materials and applications. <i>Polymer Journal</i> , 2020, 52, 891-898.	1.3	11
6	Transformation of Biomass DNA into Biodegradable Materials from Gels to Plastics for Reducing Petrochemical Consumption. <i>Journal of the American Chemical Society</i> , 2020, 142, 10114-10124.	6.6	66
7	Dynamic DNA material with emergent locomotion behavior powered by artificial metabolism. <i>Science Robotics</i> , 2019, 4, .	9.9	52
8	PolyBrick 3.0: live signatures through DNA hydrogels and digital ceramics. <i>International Journal of Rapid Manufacturing</i> , 2018, 7, 203.	0.5	5
9	PolyBrick 3.0: live signatures through DNA hydrogels and digital ceramics. <i>International Journal of Rapid Manufacturing</i> , 2018, 7, 203.	0.5	0
10	Reversible Gel-Sol Transition of a Photo-Responsive DNA Gel. <i>ChemBioChem</i> , 2016, 17, 1118-1121.	1.3	31
11	Polymorphic Ring-Shaped Molecular Clusters Made of Shape-Variable Building Blocks. <i>Nanomaterials</i> , 2015, 5, 208-217.	1.9	7
12	Self-replication of DNA rings. <i>Nature Nanotechnology</i> , 2015, 10, 528-533.	15.6	46
13	DNA-bonded 'atoms'. <i>Nature Materials</i> , 2014, 13, 121-122.	13.3	7
14	DNA Materials: Bridging Nanotechnology and Biotechnology. <i>Accounts of Chemical Research</i> , 2014, 47, 1902-1911.	7.6	228
15	Point-of-care nucleic acid detection using nanotechnology. <i>Nanoscale</i> , 2013, 5, 10141.	2.8	79
16	Quantitative analysis of molecular-level DNA crystal growth on a 2D surface. <i>Scientific Reports</i> , 2013, 3, 2115.	1.6	24
17	3PT112 Adsorption of DNA ring onto Liposome(The 50th Annual Meeting of the Biophysical Society of Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 50	0.0	0
18	3PT113 Substrate-Assisted Self-Assembly of DNA Nanostructure on lipid bilayer(The 50th Annual) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.0	0

#	ARTICLE	IF	CITATIONS
19	Theoretical model of substrate-assisted self-assembly of DNA nanostructures. RSC Advances, 2012, 2, 7406.	1.7	11
20	Size-Controllable DNA Rings with Copper-Ion Modification. Small, 2012, 8, 374-377.	5.2	22
21	Construction of a genetic AND gate under a new standard for assembly of genetic parts. BMC Genomics, 2010, 11, S16.	1.2	12
22	Extending the Geometrical Design of DNA Nanostructures. Proceedings in Information and Communications Technology, 2010, , 157-164.	0.2	0
23	Title is missing!. Journal of the Robotics Society of Japan, 2010, 28, 1158-1161.	0.0	0
24	Substrate-Assisted Assembly of Interconnected Single-Duplex DNA Nanostructures. Angewandte Chemie - International Edition, 2009, 48, 6820-6823.	7.2	150
25	SYANAC: SYNthetic biological Automaton for Noughts And Crosses. IET Synthetic Biology, 2007, 1, 64-67.	0.2	3