Hiromasa Yagyu

List of Publications by Year
in descending order

25	216	1163117 8	1058476 14
papers	citations	h-index	g-index

25	25	25	264
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coarse-grained molecular dynamics simulation of nanofilled crosslinked rubber. Computational Materials Science, 2009, 46, 286-292.	3.0	35
2	Investigating the sequence-dependent mechanical properties of DNA nicks for applications in twisted DNA nanostructure design. Nucleic Acids Research, 2019, 47, 93-102.	14.5	31
3	Micropowder blasting with nanoparticles dispersed polymer mask for rapid prototyping of glass chip. Journal of Micromechanics and Microengineering, 2005, 15, 1236-1241.	2.6	30
4	Fabrication of Plastic Micro Tip Array using Laser Micromachining of Nanoparticles Dispersed Polymer and Micromolding. IEEJ Transactions on Sensors and Micromachines, 2006, 126, 7-13.	0.1	21
5	Simulation of mechanical properties of epoxy-based chemically amplified resist by coarse-grained molecular dynamics. Polymer, 2012, 53, 4834-4842.	3.8	18
6	Continuous flow synthesis of monodisperse gold nanoparticles by liquidâ€phase reduction method on glass microfluidic device. Micro and Nano Letters, 2017, 12, 536-539.	1.3	18
7	Coarse-grained Molecular Dynamics Simulation of the Effects of Strain Rate on Tensile Stress of Cross-Linked Rubber. Soft Materials, 2015, 13, 263-270.	1.7	15
8	Coarse-Grained Molecular Dynamics Model of Double-Stranded DNA for DNA Nanostructure Design. Journal of Physical Chemistry B, 2017, 121, 5033-5039.	2.6	11
9	Simulations of the effects of filler aggregation and filler-rubber bond on the elongation behavior of filled cross-linked rubber by coarse-grained molecular dynamics. Soft Materials, 2017, 15, 263-271.	1.7	6
10	Two-phase Brust-Schiffrin synthesis of gold nanoparticles dispersion in organic solvent on glass microfluidic device. , 2017, , .		5
11	Synthesis of gold nanoparticles dispersion in toluene using immiscible fluid flow in microfluidic device. Electronics and Communications in Japan, 2019, 102, 48-54.	0.5	5
12	Analyzing the critical mixing time for the liquid-phase reduction synthesis of monodisperse gold nanoparticles using glass microfluidics. Microfluidics and Nanofluidics, 2022, 26, 1.	2.2	4
13	Cellular automaton simulation of micropowder blasting with mask erosion. IEEJ Transactions on Electrical and Electronic Engineering, 2007, 2, 348-356.	1.4	3
14	The effect of polymer matrix on laser microfabrication of Au nanoparticles dispersed polymer resists. Applied Surface Science, 2008, 255, 2237-2243.	6.1	3
15	Investigation of Molecular Diffusivity of Photoresist Membrane using Coarse-Grained Molecular Dynamics Simulation. Procedia Engineering, 2012, 47, 402-405.	1.2	3
16	Visible laser microfabrication of transparent plastic using Au nanoparticles-dispersed polymer film. Journal of Materials Processing Technology, 2010, 210, 1153-1158.	6.3	2
17	Particle size dependence of the laser microfabrication of gold nanoparticles dispersed in polymer resists. Journal of Micromechanics and Microengineering, 2015, 25, 125018.	2.6	2
18	Synthesis of Copper Nanoparticles Using Glass Microfluidic Device. Proceedings (mdpi), 2018, 2, 1110.	0.2	2

#	Article	IF	Citations
19	Analysis of Synthesis Mechanism of Gold Nanoparticles Using Glass Microfluidics. Proceedings (mdpi), 2018, 2, 702.	0.2	1
20	Laser Micromachining Technique of Nano-Particles Dispersed Polymer. IEEJ Transactions on Sensors and Micromachines, 2003, 123, 429-435.	0.1	1
21	New coarse-grained molecular dynamics model of double stranded DNA chain for DNA origami. , 2016, , .		0
22	Micropowder Blasting Simulation with Blasting Micropowder Size and Mask Erosion Using Cellular Automaton. , 2019, , .		0
23	Molecular Level Study of Negative Thick-Film Resist in MEMS by Employing a Coarse-Grained Molecular Dynamics Simulation. IEEJ Transactions on Sensors and Micromachines, 2013, 133, 320-329.	0.1	0
24	Synthesis of Gold Nanoparticles Dispersion in Toluene using Immiscible Fluid Flow in Microfluidic Device. IEEJ Transactions on Sensors and Micromachines, 2019, 139, 109-113.	0.1	0
25	Fast Synthesis of Gold Nanotriangles Using Glass Microfluidic Device. , 2022, , .		0