Takashi Sasaki

List of Publications by Year
in descending order

36	426	933447 10	752698 20
papers	citations	h-index	g-index

36	36	36	490
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glass transition of small polystyrene spheres in aqueous suspensions. Journal of Chemical Physics, 2003, 119, 8730-8735.	3.0	100
2	Effect of crosslink on the characteristic length of glass transition of network polymers. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 1958-1966.	2.1	48
3	Differential scanning calorimetry study on thermal behaviors of freeze-dried poly(L-lactide) from dilute solutions. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 115-124.	2.1	30
4	Multiple melting behavior of syndiotactic 1,2-polybutadiene. Polymer Engineering and Science, 2003, 43, 629-638.	3.1	23
5	Circular dichroism induced by the helical conformations of acylated chitosan derivatives bearing cinnamate chromophores. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 1354-1364.	2.1	18
6	Structure of freeze-dried atactic polystyrene from dilute solutions. Polymer, 1998, 39, 3853-3857.	3.8	16
7	Glass transition and its characteristic length for thin crosslinked polystyrene shells of rodlike capsules. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 2116-2125.	2.1	14
8	Melting of poly(Îµ-caprolactone) studied by step-heating calorimetry. Journal of Thermal Analysis and Calorimetry, 2013, 111, 717-724.	3.6	14
9	Glass transition of crosslinked polystyrene shells formed on the surface of calcium carbonate whisker. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 2475-2485.	2.1	12
10	Correlation between fragility and cooperativity in segmental dynamics of glass-forming para-substituted polystyrenes. Polymer Journal, 2015, 47, 687-694.	2.7	12
11	Spiral crack patterns observed for melt-grown spherulites of poly(L-lactic acid) upon quenching. European Physical Journal E, 2016, 39, 41.	1.6	11
12	Origin of enhanced cold crystallization rate for freezeâ€dried poly(<scp>L</scp>â€lactide) from solutions. Polymer Engineering and Science, 2011, 51, 1858-1865.	3.1	10
13	Primary Nucleation Rate and Radial Growth Rate of Poly(ethylene oxide) Spherulite in Viscous Solutions. Polymer Journal, 2000, 32, 263-268.	2.7	9
14	Chitosan Derivatives/Calcium Carbonate Composite Capsules Prepared by the Layer-by-Layer Deposition Method. Journal of Nanomaterials, 2008, 2008, 1-8.	2.7	9
15	Spectroscopic studies of the conformational properties of naphthoyl chitosan in dilute solutions. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 2747-2758.	2.1	8
16	Core/Shell and Hollow Polymeric Capsules Prepared from Calcium Carbonate Whisker. Polymer Journal, 2005, 37, 434-438.	2.7	8
17	Formation of Porous Spherulites of Poly(L-lactide) Grown from Solutions. Polymer Journal, 2009, 41, 787-791.	2.7	8
18	Cooperativity of dynamics in supercooled polymeric materials and its temperature dependence predicted from a surface controlled model. European Polymer Journal, 2018, 99, 485-494.	5.4	8

#	Article	IF	Citations
19	Chitosan Derivatives/Calcium Carbonate Composite Capsules Prepared by the Layer-by-Layer Deposition Method II Stabilization of the Shell by Crosslinking. Journal of Nanomaterials, 2011, 2011, 1-7.	2.7	6
20	Preparation and Drug-Release Kinetics of Porous Poly(L-lactic acid)/Rifampicin Blend Particles. ISRN Polymer Science, 2014, 2014, 1-6.	0.3	6
21	Rapid crystallization and mesophase formation of poly(L-lactic acid) during precipitation from a solution. E-Polymers, 2018, 18, 331-337.	3.0	6
22	Segmental dynamics of free-standing and supported polymer thin films predicted from a surface-controlled model. Polymer, 2019, 172, 265-271.	3.8	6
23	Glass transition at the polystyrene/polyethylene glycol interface observed via contact angle measurements. Polymer Journal, 2019, 51, 481-488.	2.7	6
24	Preparation of benzoylchitosans and their chiroptical properties in dilute solutions. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 4107-4115.	2.1	5
25	Spherulitic Growth of Poly(ethylene oxide) from Viscous Solution. Polymer Journal, 1998, 30, 868-873.	2.7	4
26	Photophysics of novel 2,6-disubstituted benzobisthiazoles possessing chromophoric groups. Physical Chemistry Chemical Physics, 2003, 5, 1381-1385.	2.8	4
27	Glass transition properties of PMMA thin shells deposited on rodlike calcium carbonate particles. Polymer Journal, 2011, 43, 464-470.	2.7	4
28	Silica/polymer coreâ€“shell particles prepared via soap-free emulsion polymerization. E-Polymers, 2020, 20, 254-261.	3.0	4
29	Adsorption Kinetics of Polystyrene and Poly(9-anthracenyl methyl methacrylate) onto SiO2 Surface Measured by Chip Nano-Calorimetry. Polymers, 2022, 14, 605.	4.5	4
30	Preparation and glass transition of crosslinked poly(vinyl acetate) thin shells on the surface of a calcium carbonate core. Polymer Journal, 2011, 43, 881-886.	2.7	3
31	Glass transition and fragility of nanosized polymeric fibers and spheres predicted from a surface-controlled model. Polymer Journal, 2021, 53, 363-372.	2.7	3
32	A Dynamically Correlated Network Model for the Collective Dynamics in Glass-Forming Molecular Liquids and Polymers. Polymers, 2021, 13, 3424.	4.5	3
33	Morphology and Release Kinetics of Protein-Loaded Porous Poly(L-Lactic Acid) Spheres Prepared by Freeze-Drying Technique. ISRN Pharmaceutics, 2011, 2011, 1-8.	1.0	1
34	Interfacial Effects on the Spherulitic Morphology of Isotactic Polystyrene Thin Films on Liquid Substrates. Advances in Materials Science and Engineering, 2016, 2016, 1-8.	1.8	1
35	Glass transition of a polystyrene surface as detected via two-dimensional diffusion of Au atoms during physical vapor deposition. Polymer, 2019, 178, 121577.	3.8	1
36	Polymer Dynamics: Bulk and Nanoconfined Polymers. Polymers, 2022, 14, 1271.	4.5	1