Reina Tanaka

List of Publications by Year
in descending order

15 papers	676 citations	840776 11 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	918 citing authors

#	Article	IF	Citations
1	Rheological Properties of Nanocellulose Dispersions in the Dilute Region: Current Understanding and Future Perspectives. Nihon Reoroji Gakkaishi, 2022, 50, 73-82.	1.0	1
2	Viscoelastic Relaxation of Cellulose Nanocrystals in Fluids: Contributions of Microscopic Internal Motions to Flexibility. Biomacromolecules, 2020, 21, 408-417.	5.4	14
3	Determination of length distribution of TEMPO-oxidized cellulose nanofibrils by field-flow fractionation/multi-angle laser-light scattering analysis. Cellulose, 2018, 25, 1599-1606.	4.9	8
4	Changes in the degree of polymerization of wood celluloses during dilute acid hydrolysis and TEMPO-mediated oxidation: Formation mechanism of disordered regions along each cellulose microfibril. International Journal of Biological Macromolecules, 2018, 109, 914-920.	7.5	21
5	A Self-Build Apparatus for Oscillatory Flow Birefringence Measurements in a Co-Cylindrical Geometry. Nihon Reoroji Gakkaishi, 2018, 46, 221-226.	1.0	7
6	Viscoelastic Properties of Tightly Entangled Semiflexible Polymer Solutions. Macromolecules, 2018, 51, 9626-9634.	4.8	12
7	Ensemble evaluation of polydisperse nanocellulose dimensions: rheology, electron microscopy, X-ray scattering and turbidimetry. Cellulose, 2017, 24, 3231-3242.	4.9	24
8	Dynamic Viscoelastic Functions of Liquid-Crystalline Chitin Nanofibril Dispersions. Biomacromolecules, 2017, 18, 2564-2570.	5.4	17
9	Viscoelastic Properties of Coreâ€"Shell-Structured, Hemicellulose-Rich Nanofibrillated Cellulose in Dispersion and Wet-Film States. Biomacromolecules, 2016, 17, 2104-2111.	5.4	43
10	SECâ€"MALLS analysis of ethylenediamine-pretreated native celluloses in LiCl/N,N-dimethylacetamide: softwood kraft pulp and highly crystalline bacterial, tunicate, and algal celluloses. Cellulose, 2016, 23, 1639-1647.	4.9	33
11	Influence of Flexibility and Dimensions of Nanocelluloses on the Flow Properties of Their Aqueous Dispersions. Biomacromolecules, 2015, 16, 2127-2131.	5.4	83
12	Improvement of nanodispersibility of oven-dried TEMPO-oxidized celluloses in water. Cellulose, 2014, 21, 4093-4103.	4.9	77
13	Determination of nanocellulose fibril length by shear viscosity measurement. Cellulose, 2014, 21, 1581-1589.	4.9	107
14	Dispersion stability and aggregation behavior of TEMPO-oxidized cellulose nanofibrils in water as a function of salt addition. Cellulose, 2014, 21, 1553-1559.	4.9	119
15	Cellulose nanofibrils prepared from softwood cellulose by TEMPO/NaClO/NaClO2 systems in water at pH 4.8 or 6.8. International Journal of Biological Macromolecules, 2012, 51, 228-234.	7.5	110