

Qui Tran-Cong-Miyata

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12127798/publications.pdf>

Version: 2024-02-01

71
papers

1,175
citations

361413

20
h-index

434195

31
g-index

88
all docs

88
docs citations

88
times ranked

821
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial structures of particle-stabilized emulsions examined by ultrasonic scattering analysis with a core-shell model. <i>Ultrasonics</i> , 2021, 116, 106510.	3.9	3
2	Patterning Silver Nanowires by Inducing Transient Concentration Gradients in Reaction Mixtures. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 60462-60470.	8.0	3
3	Nanocrystals Assembled by the Chemical Reaction of the Dispersion Solvent. <i>Angewandte Chemie</i> , 2020, 132, 13186-13192.	2.0	0
4	Particle size distribution analysis of oil-in-water emulsions using static and dynamic ultrasound scattering techniques. <i>Ultrasonics</i> , 2020, 108, 106117.	3.9	15
5	Nanocrystals Assembled by the Chemical Reaction of the Dispersion Solvent. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13086-13092.	13.8	4
6	Simultaneous measurements of ultrasound attenuation, phase velocity, thickness, and density spectra of polymeric sheets. <i>Ultrasonics</i> , 2019, 99, 105974.	3.9	15
7	Ultrasound attenuation and phase velocity of moderately concentrated silica suspensions. <i>Ultrasonics</i> , 2019, 93, 63-70.	3.9	8
8	Structures and dynamics of carbon-black in suspension probed by static and dynamic ultrasound scattering techniques. <i>Ultrasonics</i> , 2019, 94, 192-201.	3.9	2
9	Ultrasound attenuation and phase velocity of micrometer-sized particle suspensions with viscous and thermal losses. <i>Ultrasonics</i> , 2018, 83, 171-178.	3.9	22
10	Size distribution and elastic properties of thermo-responsive polymer gel microparticles in suspension probed by ultrasonic spectroscopy. <i>Ultrasonics</i> , 2018, 82, 31-38.	3.9	11
11	Conducting polymer networks synthesized by photopolymerization-induced phase separation. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2018, 9, 015009.	1.5	2
12	Effects of Nanowire Length on Charge Transport in Vertically Aligned Gold Nanowire Array Electrodes. <i>Langmuir</i> , 2018, 34, 15674-15680.	3.5	8
13	In Focus section: Polymer Research at Kyoto Institute of Technology (KIT), Japan. <i>Polymer International</i> , 2017, 66, 165-166.	3.1	0
14	Controlling the nano-deformation of polymer by a reversible photo-cross-linking reaction. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2017, 8, 025003.	1.5	3
15	Metal-Organic Coaxial Nanowire Array Electrodes Combining Large Energy Capacity and High Rate Capability. <i>ChemSusChem</i> , 2017, 10, 701-710.	6.8	9
16	Metal Nanowire-Based Hybrid Electrodes Exhibiting High Charge/Discharge Rates and Long-Lived Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36350-36357.	8.0	8
17	Phase separation of polymer mixtures driven by photochemical reactions: current status and perspectives. <i>Polymer International</i> , 2017, 66, 213-222.	3.1	51
18	Dynamics of nanometer- and submicrometer-sized particles in suspension probed by dynamic ultrasound scattering techniques. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	11

#	ARTICLE	IF	CITATIONS
19	Applications of Mach-Zehnder Interferometry to Studies on Local Deformation of Polymers Under Photocuring. , 2017, , .		1
20	A Novel Structural Analysis Technique for Particle Suspensions with the Size Ranging from Nanometers to Micrometers by Ultrasound Scattering. Kobunshi Ronbunshu, 2017, 74, 319-333.	0.2	0
21	Unidirectional Bi-Continuous Morphology of Polymer Blends Undergoing Photopolymerization-Induced Phase Separation by Computer-Assisted Irradiation (CAI) Method. Kobunshi Ronbunshu, 2017, 74, 233-238.	0.2	0
22	Determination of particle size distribution and elastic properties of silica microcapsules by ultrasound spectroscopy. Japanese Journal of Applied Physics, 2016, 55, 07KC01.	1.5	20
23	Polymer networks with bicontinuous gradient morphologies resulting from the competition between phase separation and photopolymerization. Soft Matter, 2016, 12, 1820-1829.	2.7	14
24	Dynamics of micron-sized particles in dilute and concentrated suspensions probed by dynamic ultrasound scattering techniques. Ultrasonics, 2016, 65, 59-68.	3.9	14
25	Fast Ion and Electron Transport in a Supercapacitor Based on Monolithic Nanowire Array Electrodes Prepared from a Defect-Free Anodic Aluminium Oxide Mold. Advanced Materials Interfaces, 2015, 2, 1500354.	3.7	11
26	Influence of Alkyl Chain Length in Methacrylate Monomers on the Phase Separation Induced by Photo-Polymerization. Kobunshi Ronbunshu, 2015, 72, 630-641.	0.2	2
27	Phase separation of polymer mixtures induced by light and heat: a comparative study by light scattering. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2015, 6, 045002.	1.5	6
28	Sound velocity and attenuation coefficient of hard and hollow microparticle suspensions observed by ultrasound spectroscopy. Ultrasonics, 2015, 62, 186-194.	3.9	21
29	Effects of molecular weight on the local deformation of photo-cross-linked polymer blends studied by Mach-Zehnder interferometry. Polymer Journal, 2014, 46, 819-822.	2.7	1
30	Effects of pulse repetition rate and incident beam energy on the dynamic ultrasound scattering data. Japanese Journal of Applied Physics, 2014, 53, 07KC10.	1.5	13
31	Tricontinuous Morphology of Ternary Polymer Blends Driven by Photopolymerization: Reaction and Phase Separation Kinetics. Macromolecules, 2014, 47, 4380-4386.	4.8	32
32	The roles of the Trommsdorff-Norrish effect in phase separation of binary polymer mixtures induced by photopolymerization. Polymer, 2014, 55, 1809-1816.	3.8	35
33	Formation of Hierarchically Structured Polymer Films via Multiple Phase Separation Mediated by Intermittent Irradiation. Journal of Physical Chemistry Letters, 2013, 4, 3978-3982.	4.6	16
34	Influences of wetting and shrinkage on the phase separation process of polymer mixtures induced by photopolymerization. Soft Matter, 2013, 9, 8428.	2.7	30
35	Origin of the anomalous decrease in the apparent density of polymer gels observed by multi-echo reflection ultrasound spectroscopy. Ultrasonics, 2013, 53, 973-978.	3.9	13
36	Phase separation kinetics and morphology induced by photopolymerization of 2-hydroxyethyl methacrylate (HEMA) in poly(ethyl acrylate)/HEMA mixtures. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2013, 4, 015003.	1.5	5

#	ARTICLE	IF	CITATIONS
37	Fabrication and proton conductivity of sulfonated silica composites prepared by postoxidization of mercaptomethoxysilane. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3295-3302.	2.3	3
38	Collective motion of microspheres in suspensions observed by phase-mode dynamic ultrasound scattering technique. <i>Ultrasonics</i> , 2012, 52, 628-635.	3.9	19
39	Photoreaction-induced phase separation and morphology control in ternary IPNs blends involving 3D spherical dendrimer. <i>Soft Matter</i> , 2011, 7, 10556.	2.7	1
40	Phase separation of polymer mixtures driven by photochemical reactions: Complexity and fascination. <i>Current Opinion in Solid State and Materials Science</i> , 2011, 15, 254-261.	11.5	22
41	Simultaneous evaluation of ultrasound velocity, attenuation and density of polymer solutions observed by multi-echo ultrasound spectroscopy. <i>Ultrasonics</i> , 2011, 51, 215-222.	3.9	32
42	Design and morphology control of polymer nanocomposites using light-driven phase separation phenomena. <i>Journal of Family Business Management</i> , 2010, 1, 013002.	3.4	4
43	Polymer materials with spatially graded morphologies: preparation, characterization and utilization. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2010, 1, 043003.	1.5	8
44	THE ROLES OF REACTION INHOMOGENEITY IN PHASE SEPARATION KINETICS AND MORPHOLOGY OF REACTIVE POLYMER BLENDS. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2009, 27, 23.	3.8	7
45	Simultaneous observation and analysis of sedimentation and floating motions of microspheres investigated by phase mode dynamic ultrasound scattering. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	17
46	Effects of Light-Induced Regularity on the Physical Properties of Multiphase Polymers. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 163-168.	3.6	8
47	Physical Aging of Photo-Crosslinked Poly(ethyl acrylate) Observed in the Nanometer Scales by Mach-Zehnder Interferometry. <i>Polymer Journal</i> , 2009, 41, 260-265.	2.7	8
48	Light Scattering Study on the Mode-Selection Process in Reversible Phase Separation of a Photoreactive Polymer Mixture. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14950-14956.	2.6	4
49	Dynamics of Microsphere Suspensions Probed by High-Frequency Dynamic Ultrasound Scattering. <i>Macromolecules</i> , 2009, 42, 752-759.	4.8	23
50	Phase Separation and Morphology of Polymer Mixtures Driven by Light. <i>Series in Sof Condensed Matter</i> , 2009, , 171-195.	0.1	3
51	High Frequency Dynamic Ultrasound Scattering from Microsphere Suspensions. <i>Polymer Journal</i> , 2008, 40, 398-399.	2.7	22
52	Hexagonal phase induced by a reversible photo-cross-link reaction in a polymer mixture. <i>Physical Review E</i> , 2008, 77, 020801.	2.1	12
53	Studies on Structural Characterization of Organic-Inorganic Proton Conductive Membranes. <i>Kobunshi Ronbunshu</i> , 2008, 65, 716-729.	0.2	3
54	Phase Separation Kinetics and Morphology of Light-Induced IPN Confined in Micrometer Scales. <i>Kobunshi Ronbunshu</i> , 2007, 64, 294-300.	0.2	3

#	ARTICLE	IF	CITATIONS
55	Studies on Microscopic Structure of Solâˆ“Gel Derived Nanohybrids Containing Heteropolyacid. <i>Macromolecules</i> , 2007, 40, 4165-4172.	4.8	20
56	Effects of Elastic Deformation on Phase Separation of a Polymer Blend Driven by a Reversible Photo-Cross-Linking Reaction. <i>Macromolecules</i> , 2007, 40, 5566-5574.	4.8	29
57	DLS and AFM Studies on the Cluster Evolution of Organically Modified Silica Gels Catalyzed by a Super Strong Acid. <i>Macromolecules</i> , 2007, 40, 3773-3778.	4.8	13
58	Effects of solvent on microstructure and proton conductivity of organicâ€“inorganic hybrid membranes. <i>Polymer</i> , 2007, 48, 5681-5687.	3.8	9
59	Autocatalytic phase separation and graded co-continuous morphology generated by photocuring. <i>Soft Matter</i> , 2006, 2, 149-156.	2.7	23
60	Phase Separation of Interpenetrating Polymer Networks Synthesized by Using an Autocatalytic Reaction. <i>Macromolecules</i> , 2006, 39, 9456-9466.	4.8	41
61	Interpenetrating Polymer Networks with Spatially Graded Morphology Controllable by UV-Radiation Curing. <i>Macromolecular Symposia</i> , 2006, 242, 157-164.	0.7	7
62	Designing a Polymer Blend with Phase Separation Tunable by Visible Light for Computer-Assisted Irradiation Experiments. <i>Macromolecular Rapid Communications</i> , 2006, 27, 758-762.	3.9	23
63	Comparison of the gelation dynamics for polystyrenes prepared by conventional and living radical polymerizations: a time-resolved dynamic light scattering study. <i>Polymer</i> , 2005, 46, 1982-1994.	3.8	92
64	Local deformation in photo-crosslinked polymer blends monitored by Mach-Zehnder interferometry. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 2898-2913.	2.1	16
65	Controlling the morphology of polymer blends using periodic irradiation. <i>Nature Materials</i> , 2004, 3, 448-451.	27.5	76
66	Generation and Manipulation of Hierarchical Morphology in Interpenetrating Polymer Networks by Using Photochemical Reactions. <i>Macromolecules</i> , 2004, 37, 8495-8498.	4.8	54
67	Dynamic Inhomogeneities in Polymer Gels Investigated by Dynamic Light Scattering. <i>Macromolecules</i> , 2004, 37, 2944-2953.	4.8	45
68	Studies on Two Types of Built-in Inhomogeneities for Polymer Gels:Âˆ Frozen Segmental Concentration Fluctuations and Spatial Distribution of Cross-Links. <i>Macromolecules</i> , 2003, 36, 6202-6212.	4.8	84
69	Dynamic Light Scattering Studies on Network Formation of Bridged Polysilsesquioxanes Catalyzed by Polyoxometalates. <i>Macromolecules</i> , 2003, 36, 9935-9942.	4.8	15
70	Phase Separation of Polymer Blends Driven by Temporally and Spatially Periodic Forcing. <i>ACS Symposium Series</i> , 2003, , 276-290.	0.5	5
71	Metastable Nanoporous Palladium Evolving from Palladium Nanocrystals. <i>ChemNanoMat</i> , 0, , .	2.8	1