

Hideyuki Nakanishi

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,385
citations

331670

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345221

36
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65
all docs

65
docs citations

65
times ranked

2029
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Self-Assembly of Graphene Oxide Flakes for Smart and Multifunctional Coating with Reversible Formation of Wrinkling Patterns. <i>Soft Matter</i> , 2022, , . | 2.7 | 0 |
| 2 | Design of non-autonomous pH oscillators and the existence of chemical beat phenomenon in a neutralization reaction. <i>Scientific Reports</i> , 2021, 11, 11011. | 3.3 | 3 |
| 3 | Viscoelastic ECAH: Scattering analysis of spherical particles in suspension with viscoelasticity. <i>Ultrasonics</i> , 2021, 115, 106463. | 3.9 | 7 |
| 4 | 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 |
| 5 | Patterning Silver Nanowires by Inducing Transient Concentration Gradients in Reaction Mixtures. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 60462-60470. | 8.0 | 3 |
| 6 | Selective Reduction Sites on Commercial Graphite Foil for Building Multimetallic Nano-Assemblies for Energy Conversion. <i>ChemistrySelect</i> , 2020, 5, 13269-13277. | 1.5 | 0 |
| 7 | Nanocrystals Assembled by the Chemical Reaction of the Dispersion Solvent. <i>Angewandte Chemie</i> , 2020, 132, 13186-13192. | 2.0 | 0 |
| 8 | The Relationship between Static Charge and Shape. <i>ACS Central Science</i> , 2020, 6, 704-714. | 11.3 | 14 |
| 9 | 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 |
| 10 | Nanocrystals Assembled by the Chemical Reaction of the Dispersion Solvent. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13086-13092. | 13.8 | 4 |
| 11 | Eco-Friendly, Direct Deposition of Metal Nanoparticles on Graphite for Electrochemical Energy Conversion and Storage. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36525-36534. | 8.0 | 23 |
| 12 | Simultaneous measurements of ultrasound attenuation, phase velocity, thickness, and density spectra of polymeric sheets. <i>Ultrasonics</i> , 2019, 99, 105974. | 3.9 | 15 |
| 13 | Modelling the neuropathology of lysosomal storage disorders through disease-specific human induced pluripotent stem cells. <i>Experimental Cell Research</i> , 2019, 380, 216-233. | 2.6 | 28 |
| 14 | Graphite-Aligned Ni/Ni(OH) ₂ Nanowire-Based Aqueous Asymmetric Supercapacitors Exhibiting Excellent Cycle Stability, High Rate Performance, and Wide Operation Voltage. <i>ChemistrySelect</i> , 2019, 4, 13543-13550. | 1.5 | 4 |
| 15 | Ultrasound attenuation and phase velocity of moderately concentrated silica suspensions. <i>Ultrasonics</i> , 2019, 93, 63-70. | 3.9 | 8 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|--|------|-----------|
| 19 | pH mediated kinetics of assembly and disassembly of molecular and nanoscopic building blocks. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018, 123, 323-333. | 1.7 | 2 |
| 20 | Existence of a Precipitation Threshold in the Electrostatic Precipitation of Oppositely Charged Nanoparticles. <i>Angewandte Chemie</i> , 2018, 130, 16294-16298. | 2.0 | 4 |
| 21 | Effects of Nanowire Length on Charge Transport in Vertically Aligned Gold Nanowire Array Electrodes. <i>Langmuir</i> , 2018, 34, 15674-15680. | 3.5 | 8 |
| 22 | Existence of a Precipitation Threshold in the Electrostatic Precipitation of Oppositely Charged Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16062-16066. | 13.8 | 14 |
| 23 | Interaction of Positively Charged Gold Nanoparticles with Cancer Cells Monitored by an in Situ Label-Free Optical Biosensor and Transmission Electron Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26841-26850. | 8.0 | 39 |
| 24 | Correlating Material Transfer and Charge Transfer in Contact Electrification. <i>Journal of Physical Chemistry C</i> , 2018, 122, 16154-16160. | 3.1 | 54 |
| 25 | Chemically coded time-programmed self-assembly. <i>Molecular Systems Design and Engineering</i> , 2017, 2, 274-282. | 3.4 | 35 |
| 26 | Metal-Organic Coaxial Nanowire Array Electrodes Combining Large Energy Capacity and High Rate Capability. <i>ChemSusChem</i> , 2017, 10, 701-710. | 6.8 | 9 |
| 27 | 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 |
| 28 | Phase separation of polymer mixtures driven by photochemical reactions: current status and perspectives. <i>Polymer International</i> , 2017, 66, 213-222. | 3.1 | 51 |
| 29 | 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 |
| 30 | Reversible and Continuously Tunable Control of Charge of Close Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 6142-6147. | 4.6 | 9 |
| 31 | Unidirectional Bi-Continuous Morphology of Polymer Blends Undergoing Photopolymerization-Induced Phase Separation by Computer-Assisted Irradiation (CAI) Method. <i>Kobunshi Ronbunshu</i> , 2017, 74, 233-238. | 0.2 | 0 |
| 32 | Self-assembly of like-charged nanoparticles into Voronoi diagrams. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25735-25740. | 2.8 | 6 |
| 33 | Dynamics of micron-sized particles in dilute and concentrated suspensions probed by dynamic ultrasound scattering techniques. <i>Ultrasonics</i> , 2016, 65, 59-68. | 3.9 | 14 |
| 34 | Fast Ion and Electron Transport in a Supercapacitor Based on Monolithic Nanowire-Array Electrodes Prepared from a Defect-Free Anodic Aluminium Oxide Mold. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500354. | 3.7 | 11 |
| 35 | Sound velocity and attenuation coefficient of hard and hollow microparticle suspensions observed by ultrasound spectroscopy. <i>Ultrasonics</i> , 2015, 62, 186-194. | 3.9 | 21 |
| 36 | Self-Assembly of Charged Nanoparticles by an Autocatalytic Reaction Front. <i>Langmuir</i> , 2015, 31, 12019-12024. | 3.5 | 10 |

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|----|---|------|-----------|
| 37 | Dynamics of submicron microsphere suspensions observed by dynamic ultrasound scattering techniques in the frequency-domain. <i>Journal of Applied Physics</i> , 2014, 115, . | 2.5 | 16 |
| 38 | Effects of molecular weight on the local deformation of photo-cross-linked polymer blends studied by Mach-Zehnder interferometry. <i>Polymer Journal</i> , 2014, 46, 819-822. | 2.7 | 1 |
| 39 | Tricontinuous Morphology of Ternary Polymer Blends Driven by Photopolymerization: Reaction and Phase Separation Kinetics. <i>Macromolecules</i> , 2014, 47, 4380-4386. | 4.8 | 32 |
| 40 | The roles of the Trommsdorff-Norrish effect in phase separation of binary polymer mixtures induced by photopolymerization. <i>Polymer</i> , 2014, 55, 1809-1816. | 3.8 | 35 |
| 41 | Formation of Hierarchically Structured Polymer Films via Multiple Phase Separation Mediated by Intermittent Irradiation. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3978-3982. | 4.6 | 16 |
| 42 | Influences of wetting and shrinkage on the phase separation process of polymer mixtures induced by photopolymerization. <i>Soft Matter</i> , 2013, 9, 8428. | 2.7 | 30 |
| 43 | Ultrasensitive detection of toxic cations through changes in the tunnelling current across films of striped nanoparticles. <i>Nature Materials</i> , 2012, 11, 978-985. | 27.5 | 206 |
| 44 | 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 |
| 45 | 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 |
| 46 | Dynamic internal gradients control and direct electric currents within nanostructured materials. <i>Nature Nanotechnology</i> , 2011, 6, 740-746. | 31.5 | 48 |
| 47 | Nanoparticle-Aerogel Composites: Nanoparticle-Loaded Aerogels and Layered Aerogels Cast from Sol-Gel Mixtures (<i>Small</i> 18/2011). <i>Small</i> , 2011, 7, 2542-2542. | 10.0 | 0 |
| 48 | Supercapacitors Based on Metal Electrodes Prepared from Nanoparticle Mixtures at Room Temperature. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1428-1431. | 4.6 | 51 |
| 49 | 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 |
| 50 | Photoconductance and inverse photoconductance in films of functionalized metal nanoparticles. <i>Nature</i> , 2009, 460, 371-375. | 27.8 | 239 |
| 51 | Phase Separation and Morphology of Polymer Mixtures Driven by Light. <i>Series in Soft Condensed Matter</i> , 2009, , 171-195. | 0.1 | 3 |
| 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 | 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 |
| 54 | Autocatalytic phase separation and graded co-continuous morphology generated by photocuring. <i>Soft Matter</i> , 2006, 2, 149-156. | 2.7 | 23 |

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|----|---|-----|-----------|
| 55 | Phase Separation of Interpenetrating Polymer Networks Synthesized by Using an Autocatalytic Reaction. <i>Macromolecules</i> , 2006, 39, 9456-9466. | 4.8 | 41 |
| 56 | Interpenetrating Polymer Networks with Spatially Graded Morphology Controllable by UV-Radiation Curing. <i>Macromolecular Symposia</i> , 2006, 242, 157-164. | 0.7 | 7 |
| 57 | 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 |
| 58 | Generation and Manipulation of Hierarchical Morphology in Interpenetrating Polymer Networks by Using Photochemical Reactions. <i>Macromolecules</i> , 2004, 37, 8495-8498. | 4.8 | 54 |
| 59 | Metastable Nanoporous Palladium Evolving from Palladium Nanocrystals. <i>ChemNanoMat</i> , 0, , . | 2.8 | 1 |