

Sada-atsu Mukai

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,285
citations

304743

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361022

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all docs

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docs citations

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times ranked

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citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Nanogel-Based Immunologically Stealth Vaccine Targets Macrophages in the Medulla of Lymph Node and Induces Potent Antitumor Immunity. <i>ACS Nano</i> , 2014, 8, 9209-9218. | 14.6 | 117 |
| 2 | Exosomes as nanocarriers for systemic delivery of the <i>Helicobacter pylori</i> virulence factor CagA. <i>Scientific Reports</i> , 2016, 6, 18346. | 3.3 | 107 |
| 3 | Facile Generation of Fullerene Nanoparticles by Hand-Grinding. <i>Advanced Materials</i> , 2006, 18, 729-732. | 21.0 | 89 |
| 4 | Stabilization of C60 Nanoparticles by Protein Adsorption and Its Implications for Toxicity Studies. <i>Chemical Research in Toxicology</i> , 2007, 20, 854-858. | 3.3 | 88 |
| 5 | Nanogel tectonic porous gel loading biologics, nanocarriers, and cells for advanced scaffold. <i>Biomaterials</i> , 2015, 37, 107-115. | 11.4 | 65 |
| 6 | Optical Trapping of a Growing Water Droplet in Air. <i>Journal of Physical Chemistry B</i> , 2003, 107, 3988-3990. | 2.6 | 58 |
| 7 | Nanocarrier-Integrated Microspheres: Nanogel Tectonic Engineering for Advanced Drug Delivery Systems. <i>Advanced Materials</i> , 2015, 27, 5080-5088. | 21.0 | 53 |
| 8 | Microbial growth at hyperaccelerations up to 403,627 g . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7997-8002. | 7.1 | 52 |
| 9 | Magnetically Guided Protein Transduction by Hybrid Nanogel Chaperones with Iron Oxide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11377-11381. | 13.8 | 50 |
| 10 | Nanogel Tectonics for Tissue Engineering: Protein Delivery Systems with Nanogel Chaperones. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800729. | 7.6 | 47 |
| 11 | Cycloamylose-nanogel drug delivery system-mediated intratumor silencing of the vascular endothelial growth factor regulates neovascularization in tumor microenvironment. <i>Cancer Science</i> , 2014, 105, 1616-1625. | 3.9 | 46 |
| 12 | Nanoparticles of Fullerene C ₆₀ from Engineering of Antiquity. <i>Journal of Physical Chemistry C</i> , 2010, 114, 849-856. | 3.1 | 34 |
| 13 | Liquid/liquid dynamic phase separation induced by a focused laser. <i>Applied Physics Letters</i> , 2003, 83, 2557-2559. | 3.3 | 33 |
| 14 | Magnetic Field Stimuli-Sensitive Drug Release Using a Magnetic Thermal Seed Coated with Thermal-Responsive Molecularly Imprinted Polymer. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 759-767. | 5.2 | 33 |
| 15 | Magnetically Navigated Intracellular Delivery of Extracellular Vesicles Using Amphiphilic Nanogels. <i>Bioconjugate Chemistry</i> , 2019, 30, 2150-2155. | 3.6 | 32 |
| 16 | Antigen Delivery to Antigen-Presenting Cells for Adaptive Immune Response by Self-Assembled Anionic Polysaccharide Nanogel Vaccines. <i>Biomacromolecules</i> , 2020, 21, 621-629. | 5.4 | 30 |
| 17 | Top-down Preparation of Dispersions of C60 Nanoparticles in Organic Solvents. <i>Chemistry Letters</i> , 2006, 35, 396-397. | 1.3 | 29 |
| 18 | Phase separation in binary polymer solution: Gelatin/Poly(ethylene glycol) system. <i>Journal of Molecular Liquids</i> , 2014, 200, 2-6. | 4.9 | 28 |

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|----|--|-----|-----------|
| 19 | Self-Assembled Polypeptide Nanogels with Enzymatically Transformable Surface as a Small Interfering RNA Delivery Platform. <i>Biomacromolecules</i> , 2017, 18, 3913-3923. | 5.4 | 27 |
| 20 | A high-temperature and -pressure microscope cell to observe colloidal behaviors in subcritical and supercritical water: Brownian motion of colloids near a wall. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 282-283, 483-488. | 4.7 | 24 |
| 21 | Anomalously stable dispersions of graphite in water/acetone mixtures. <i>Journal of Colloid and Interface Science</i> , 2010, 346, 96-99. | 9.4 | 24 |
| 22 | Self-Assembled Nanogels of Cholesterol-Bearing Hydroxypropyl Cellulose: A Thermoresponsive Building Block for Nanogel Tectonic Materials. <i>Langmuir</i> , 2016, 32, 12283-12289. | 3.5 | 23 |
| 23 | A light sensitive self-assembled nanogel as a tecton for protein patterning materials. <i>Chemical Communications</i> , 2016, 52, 1222-1225. | 4.1 | 23 |
| 24 | Supercritical Ethanol A Fascinating Dispersion Medium for Silica Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2007, 111, 8169-8174. | 2.6 | 22 |
| 25 | Phase behaviors of agarose gel. <i>AIP Advances</i> , 2013, 3, . | 1.3 | 18 |
| 26 | Supramacromolecular injectable hydrogels by crystallization-driven self-assembly of carbohydrate-conjugated poly(2-isopropylloxazoline)s for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6362-6369. | 5.8 | 17 |
| 27 | Glyco Star Polymers as Helical Multivalent Host and Biofunctional Nano-Platform. <i>ACS Macro Letters</i> , 2015, 4, 367-371. | 4.8 | 16 |
| 28 | Non-Engineered Nanoparticles of C60. <i>Scientific Reports</i> , 2013, 3, 2094. | 3.3 | 13 |
| 29 | Advanced Artificial Extracellular Matrices Using Amphiphilic Nanogel-Cross-Linked Thin Films To Anchor Adhesion Proteins and Cytokines. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 375-384. | 5.2 | 13 |
| 30 | Synergistic anti-tumor efficacy by combination therapy of a self-assembled nanogel vaccine with an immune checkpoint anti-PD-1 antibody. <i>RSC Advances</i> , 2020, 10, 8074-8079. | 3.6 | 13 |
| 31 | Nanoscope Structural Investigation of Physically Cross-Linked Nanogels Formed from Self-Associating Polymers. <i>Journal of Physical Chemistry B</i> , 2016, 120, 11996-12002. | 2.6 | 12 |
| 32 | Dynamical phase separation under laser scanning. <i>Chemical Physics Letters</i> , 2005, 402, 529-534. | 2.6 | 10 |
| 33 | Amylose-Based Cationic Star Polymers for siRNA Delivery. <i>BioMed Research International</i> , 2015, 2015, 1-6. | 1.9 | 6 |
| 34 | Magnetically Navigated Protein Transduction In Vivo using Iron Oxide Nanogel Chaperone Hybrid. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001988. | 7.6 | 6 |
| 35 | Optical levitation of a droplet under a linear increase in gravitational acceleration. <i>Chemical Physics Letters</i> , 2005, 414, 389-392. | 2.6 | 5 |
| 36 | Microrheology of polysaccharide nanogel-integrated system. <i>Colloid and Polymer Science</i> , 2014, 292, 325-331. | 2.1 | 5 |

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|----|--|------|-----------|
| 37 | Anomalous long-range repulsion between silica surfaces induced by density inhomogeneities in supercritical ethanol. <i>Soft Matter</i> , 2014, 10, 6645-6650. | 2.7 | 5 |
| 38 | Magnetically Guided Protein Transduction by Hybrid Nanogel Chaperones with Iron Oxide Nanoparticles. <i>Angewandte Chemie</i> , 2016, 128, 11549-11553. | 2.0 | 5 |
| 39 | A solid-in-oil-in-water emulsion: An adjuvant-based immune-carrier enhances vaccine effect. <i>Biomaterials</i> , 2022, 282, 121385. | 11.4 | 4 |
| 40 | Comment on "Effect of Pressure on Colloidal Behavior in Hydrothermal Water". <i>Journal of Physical Chemistry B</i> , 2009, 113, 3251-3252. | 2.6 | 2 |
| 41 | 2P314 Development of hybrid exosomes by liposome fusion(28. Bioengineering,Poster,The 52nd Annual) Tj ETQq1 1 0.784314 rgBT /Ov 0.1 0 | 0.1 | 0 |
| 42 | Simple Preparation and Characterization of Viscoelastic Gels Induced by Multiple Intermolecular Interactions Using Low-Molecular-Weight Species. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 1575-1580. | 3.2 | 0 |
| 43 | Magnetic Drug Navigation: Magnetically Navigated Protein Transduction In Vivo using Iron Oxide Nanogel Chaperone Hybrid (Adv. Healthcare Mater. 9/2021). <i>Advanced Healthcare Materials</i> , 2021, 10, 2170046. | 7.6 | 0 |
| 44 | Optical Reactors for Microscopic Visualization of Chemical Processes in Sub- and Supercritical Water. <i>Biofuels and Biorefineries</i> , 2014, , 133-156. | 0.5 | 0 |