

# Sada-atsu Mukai

## List of Publications by Year in descending order

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44  
papers

1,285  
citations

304743

22  
h-index

361022

35  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2048  
citing authors

#	ARTICLE	IF	CITATIONS
1	A solid-in-oil-in-water emulsion: An adjuvant-based immune-carrier enhances vaccine effect. <i>Biomaterials</i> , 2022, 282, 121385.	11.4	4
2	Magnetically Navigated Protein Transduction In Vivo using Iron Oxide Nanogel Chaperone Hybrid. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001988.	7.6	6
3	Magnetic Drug Navigation: Magnetically Navigated Protein Transduction In Vivo using Iron Oxide Nanogel Chaperone Hybrid ( <i>Adv. Healthcare Mater.</i> 9/2021). <i>Advanced Healthcare Materials</i> , 2021, 10, 2170046.	7.6	0
4	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
5	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
6	Magnetically Navigated Intracellular Delivery of Extracellular Vesicles Using Amphiphilic Nanogels. <i>Bioconjugate Chemistry</i> , 2019, 30, 2150-2155.	3.6	32
7	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
8	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
9	Nanogel Tectonics for Tissue Engineering: Protein Delivery Systems with Nanogel Chaperones. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800729.	7.6	47
10	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
11	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
12	Magnetically Guided Protein Transduction by Hybrid Nanogel Chaperones with Iron Oxide Nanoparticles. <i>Angewandte Chemie</i> , 2016, 128, 11549-11553.	2.0	5
13	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
14	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
15	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
16	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
17	A light sensitive self-assembled nanogel as a tecton for protein patterning materials. <i>Chemical Communications</i> , 2016, 52, 1222-1225.	4.1	23
18	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

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19	Nanocarrier-Integrated Microspheres: Nanogel Tectonic Engineering for Advanced Drug Delivery Systems. <i>Advanced Materials</i> , 2015, 27, 5080-5088.	21.0	53
20	Amylose-Based Cationic Star Polymers for siRNA Delivery. <i>BioMed Research International</i> , 2015, 2015, 1-6.	1.9	6
21	Glyco Star Polymers as Helical Multivalent Host and Biofunctional Nano-Platform. <i>ACS Macro Letters</i> , 2015, 4, 367-371.	4.8	16
22	Nanogel tectonic porous gel loading biologics, nanocarriers, and cells for advanced scaffold. <i>Biomaterials</i> , 2015, 37, 107-115.	11.4	65
23	Microrheology of polysaccharide nanogel-integrated system. <i>Colloid and Polymer Science</i> , 2014, 292, 325-331.	2.1	5
24	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
25	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
26	Phase separation in binary polymer solution: Gelatin/Poly(ethylene glycol) system. <i>Journal of Molecular Liquids</i> , 2014, 200, 2-6.	4.9	28
27	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
28	2P314 Development of hybrid exosomes by liposome fusion (28. Bioengineering, Poster, The 52nd Annual) Tj ETQq0 0,0 rgBT /Qverlock 1	0.1	0
29	Optical Reactors for Microscopic Visualization of Chemical Processes in Sub- and Supercritical Water. <i>Biofuels and Biorefineries</i> , 2014, , 133-156.	0.5	0
30	Phase behaviors of agarose gel. <i>AIP Advances</i> , 2013, 3, .	1.3	18
31	Non-Engineered Nanoparticles of C60. <i>Scientific Reports</i> , 2013, 3, 2094.	3.3	13
32	Microbial growth at hyperaccelerations up to 403,627 $\text{g}$ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7997-8002.	7.1	52
33	Anomalously stable dispersions of graphite in water/acetone mixtures. <i>Journal of Colloid and Interface Science</i> , 2010, 346, 96-99.	9.4	24
34	Nanoparticles of Fullerene $\text{C}_{60}$ from Engineering of Antiquity. <i>Journal of Physical Chemistry C</i> , 2010, 114, 849-856.	3.1	34
35	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
36	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

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37	Supercritical Ethanol A Fascinating Dispersion Medium for Silica Nanoparticles. Journal of Physical Chemistry B, 2007, 111, 8169-8174.	2.6	22
38	Top-down Preparation of Dispersions of C60 Nanoparticles in Organic Solvents. Chemistry Letters, 2006, 35, 396-397.	1.3	29
39	A high-temperature and -pressure microscope cell to observe colloidal behaviors in subcritical and supercritical water: Brownian motion of colloids near a wall. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 282-283, 483-488.	4.7	24
40	Facile Generation of Fullerene Nanoparticles by Hand-Grinding. Advanced Materials, 2006, 18, 729-732.	21.0	89
41	Dynamical phase separation under laser scanning. Chemical Physics Letters, 2005, 402, 529-534.	2.6	10
42	Optical levitation of a droplet under a linear increase in gravitational acceleration. Chemical Physics Letters, 2005, 414, 389-392.	2.6	5
43	Optical Trapping of a Growing Water Droplet in Air. Journal of Physical Chemistry B, 2003, 107, 3988-3990.	2.6	58
44	Liquid/liquid dynamic phase separation induced by a focused laser. Applied Physics Letters, 2003, 83, 2557-2559.	3.3	33