

# Keiichi Yoshimatsu

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,543  
citations

361413

20  
h-index

434195

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1910  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of vortex-induced physical stress on fluorescent properties of dye-containing poly(ethylene) Tj ETQq1 1 0,784314 rgBT /Overl	2.6	8
2	Metal-Free Polymer-Based Affinity Medium for Selective Purification of His6-Tagged Proteins. <i>Biomacromolecules</i> , 2021, 22, 1695-1705.	5.4	8
3	Synthetic hydrogel nanoparticles for sepsis therapy. <i>Nature Communications</i> , 2021, 12, 5552.	12.8	27
4	Verification of the neural network training process for spectrum-based chemical substructure prediction using metamorphic testing. <i>Journal of Computational Science</i> , 2021, 55, 101456.	2.9	4
5	Biosensors: Biomimetic Sensors. , 2021, , .		0
6	A new approach for IR spectra matching using normalized local change. <i>Analytica Chimica Acta</i> , 2020, 1103, 49-57.	5.4	3
7	Engineering the Binding Kinetics of Synthetic Polymer Nanoparticles for siRNA Delivery. <i>Biomacromolecules</i> , 2019, 20, 3648-3657.	5.4	12
8	Sequestering and inhibiting a vascular endothelial growth factor in vivo by systemic administration of a synthetic polymer nanoparticle. <i>Journal of Controlled Release</i> , 2019, 295, 13-20.	9.9	29
9	X-ray structure of the direct electron transfer-type FAD glucose dehydrogenase catalytic subunit complexed with a hitchhiker protein. <i>Acta Crystallographica Section D: Structural Biology</i> , 2019, 75, 841-851.	2.3	18
10	Elucidation of the intra- and inter-molecular electron transfer pathways of glucoside 3-dehydrogenase. <i>Bioelectrochemistry</i> , 2018, 122, 115-122.	4.6	6
11	A polymer nanoparticle with engineered affinity for a vascular endothelial growth factor (VEGF165). <i>Nature Chemistry</i> , 2017, 9, 715-722.	13.6	125
12	An Fe-S cluster in the conserved Cys-rich region in the catalytic subunit of FAD-dependent dehydrogenase complexes. <i>Bioelectrochemistry</i> , 2016, 112, 178-183.	4.6	31
13	Preparation of abiotic polymer nanoparticles for sequestration and neutralization of a target peptide toxin. <i>Nature Protocols</i> , 2015, 10, 595-604.	12.0	46
14	Measuring Melittin Uptake into Hydrogel Nanoparticles with Near-Infrared Single Nanoparticle Surface Plasmon Resonance Microscopy. <i>Analytical Chemistry</i> , 2015, 87, 4973-4979.	6.5	26
15	Characterization of molecularly imprinted polymer nanoparticles by photon correlation spectroscopy. <i>Journal of Molecular Recognition</i> , 2014, 27, 714-721.	2.1	2
16	Polymer Nanoparticle Hydrogels with Autonomous Affinity Switching for the Protection of Proteins from Thermal Stress. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9275-9279.	13.8	55
17	Epitope Discovery for a Synthetic Polymer Nanoparticle: A New Strategy for Developing a Peptide Tag. <i>Journal of the American Chemical Society</i> , 2014, 136, 1194-1197.	13.7	39
18	Structure of electron collection electrode in dye-sensitized nanocrystalline TiO <sub>2</sub> . <i>Electrochimica Acta</i> , 2013, 87, 309-316.	5.2	12

#	ARTICLE	IF	CITATIONS
19	Particle Deformation and Concentration Polarization in Electroosmotic Transport of Hydrogels through Pores. <i>ACS Nano</i> , 2013, 7, 3720-3728.	14.6	49
20	Polymer Nanoparticle-Protein Interface. Evaluation of the Contribution of Positively Charged Functional Groups to Protein Affinity. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 374-379.	8.0	61
21	Effective charge collection in dye-sensitized nanocrystalline TiO <sub>2</sub> . <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2013, 4, 015006.	1.5	4
22	Molecularly imprinted polymers for histamine recognition in aqueous environment. <i>Amino Acids</i> , 2012, 43, 2113-2124.	2.7	27
23	Influence of template/functional monomer/cross-linking monomer ratio on particle size and binding properties of molecularly imprinted nanoparticles. <i>Journal of Applied Polymer Science</i> , 2012, 124, 1249-1255.	2.6	20
24	Temperature-Responsive Catch and Release of Proteins by using Multifunctional Polymer-Based Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2405-2408.	13.8	145
25	Clickable affinity ligands for effective separation of glycoproteins. <i>Journal of Chromatography A</i> , 2010, 1217, 3635-3641.	3.7	47
26	Peptide-imprinted polymer microspheres prepared by precipitation polymerization using a single bi-functional monomer. <i>Analyst</i> , 2009, 134, 719.	3.5	38
27	Characterization of QCM sensor surfaces coated with molecularly imprinted nanoparticles. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1908-1914.	10.1	110
28	Selective molecular adsorption using electrospun nanofiber affinity membranes. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1208-1215.	10.1	121
29	A simple method for preparation of molecularly imprinted nanofiber materials with signal transduction ability. <i>Chemical Communications</i> , 2008, , 2022.	4.1	33
30	Uniform molecularly imprinted microspheres and nanoparticles prepared by precipitation polymerization: The control of particle size suitable for different analytical applications. <i>Analytica Chimica Acta</i> , 2007, 584, 112-121.	5.4	382
31	Preparation of molecularly imprinted polymers in supercritical carbon dioxide. <i>Journal of Applied Polymer Science</i> , 2006, 102, 2863-2867.	2.6	37