

Yoshihiko Murakami

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,132
citations

361413

20
h-index

395702

33
g-index

52
all docs

52
docs citations

52
times ranked

1420
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA-Responsive Hydrogels That Can Shrink or Swell. <i>Biomacromolecules</i> , 2005, 6, 2927-2929.	5.4	193
2	A novel synthetic tissue-adhesive hydrogel using a crosslinkable polymeric micelle. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 421-427.	4.0	74
3	Packaging guest proteins into the encapsulin nanocompartment from <i>Rhodococcus erythropolis</i> N771. <i>Biotechnology and Bioengineering</i> , 2015, 112, 13-20.	3.3	73
4	Hybrid Hydrogels to Which Single-Stranded (ss) DNA Probe Is Incorporated Can Recognize Specific ssDNA. <i>Macromolecules</i> , 2005, 38, 1535-1537.	4.8	60
5	Design of novel sheet-shaped chitosan hydrogel for wound healing: A hybrid biomaterial consisting of both PEG-grafted chitosan and crosslinkable polymeric micelles acting as drug containers. <i>Materials Science and Engineering C</i> , 2013, 33, 3697-3703.	7.3	51
6	A simple hemostasis model for the quantitative evaluation of hydrogel-based local hemostatic biomaterials on tissue surface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 65, 186-189.	5.0	42
7	Development of PEG-PLA/PLGA microparticles for pulmonary drug delivery prepared by a novel emulsification technique assisted with amphiphilic block copolymers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 87, 433-438.	5.0	40
8	<i>In vivo</i> and <i>in vitro</i> evaluation of gelation and hemostatic properties of a novel tissue-adhesive hydrogel containing a crosslinkable polymeric micelle. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 91B, 102-108.	3.4	38
9	Poly(ethylene glycol)- β -chymotrypsin complex catalytically active in anhydrous iso-octane. <i>Journal of Bioscience and Bioengineering</i> , 1999, 88, 441-443.	2.2	30
10	Characterization of polymer-enzyme complex as a novel biocatalyst for nonaqueous enzymology. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2003, 22, 79-88.	1.8	30
11	One-pot facile preparation of PEG-modified PLGA nanoparticles: Effects of PEG and PLGA on release properties of the particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 469, 66-72.	4.7	26
12	Porous PLGA microparticles formed by one-step emulsification for pulmonary drug delivery: The surface morphology and the aerodynamic properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 318-326.	5.0	25
13	Novel one-pot facile technique for preparing nanoparticles modified with hydrophilic polymers on the surface via block polymer-assisted emulsification/evaporation process. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 78, 85-91.	5.0	24
14	Continuous enzymatic synthesis of aspartame precursor at low pH using an extractive reaction. <i>Journal of Bioscience and Bioengineering</i> , 1997, 84, 264-267.	0.9	23
15	Title is missing!. <i>Biotechnology Letters</i> , 2001, 23, 125-129.	2.2	22
16	Trilayered polymeric micelle: A newly developed macromolecular assembly that can incorporate hydrophilic compounds. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 198-204.	5.0	22
17	Chitosan gel sheet containing drug carriers with controllable drug-release properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 163, 257-265.	5.0	21
18	Facile technique for preparing organic-inorganic composite particles: Monodisperse poly(lactide-co-glycolide) (PLGA) particles having silica nanoparticles on the surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 361, 109-117.	4.7	20

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19	Successful preferential formation of a novel macromolecular assemblyâ€”Trilayered polymeric micelleâ€”That can incorporate hydrophilic compounds: The optimization of factors affecting the micelle formation from amphiphilic block copolymers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 84, 346-353.	5.0	20
20	A free-standing, sheet-shaped, â€œhydrophobicâ€•biomaterial containing polymeric micelles formed from poly(ethylene glycol)-poly(lactic acid) block copolymer for possible incorporation/release of â€œhydrophilicâ€•compounds. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 597-603.	5.0	20
21	Complex between $\hat{\pm}$ -Chymotrypsin and poly(ethylene glycol) catalytically active in organic media. <i>Biotechnology Letters</i> , 1999, 13, 545-548.	0.5	19
22	Dual drug release from hydrogels covalently containing polymeric micelles that possess different drug release properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 153, 19-26.	5.0	19
23	Unexpected and Successful â€œOne-Stepâ€•Formation of Porous Polymeric Particles Only by Mixing Organic Solvent and Water under â€œLow-Energy-Inputâ€•Conditions. <i>Langmuir</i> , 2014, 30, 3329-3336.	3.5	18
24	Polyfunctional nanometric particles obtained from lignin, a woody biomass resource. <i>Green Chemistry</i> , 2010, 12, 1914.	9.0	17
25	The hydrogel containing a novel vesicleâ€•like soft crosslinker, a â€œtrilayeredâ€•polymeric micelle, shows characteristic rheological properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 124-131.	2.1	17
26	Poly($\hat{\epsilon}$ -caprolactone) (PCL)â€”polymeric micelle hybrid sheets for the incorporation and release of hydrophilic proteins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 127, 292-299.	5.0	16
27	Successful PEGylation of hollow encapsulin nanoparticles from <i>Rhodococcus erythropolis</i> N771 without affecting their disassembly and reassembly properties. <i>Biomaterials Science</i> , 2017, 5, 1082-1089.	5.4	16
28	Enzymatic Synthesis of N-formyl-L-aspartyl-L-phenylalanine Methyl Ester (Aspartame Precursor) Utilizing an Extractive Reaction in Aqueous/Organic Biphasic Medium. <i>Biotechnology Letters</i> , 1998, 20, 767-769.	2.2	15
29	Synthesis of a â€œmolecular rope curtainâ€•: Preparation and characterization of a sliding graft copolymer with grafted poly(ethylene glycol) side chains by the â€œgrafting ontoâ€•strategy. <i>Journal of Polymer Science Part A</i> , 2012, 50, 488-494.	2.3	15
30	Solubilized eggshell membrane supplies a type III collagen-rich elastic dermal papilla. <i>Cell and Tissue Research</i> , 2019, 376, 123-135.	2.9	15
31	Continuous enzymatic production of peptide precursor in aqueous/organic biphasic medium. , 2000, 69, 57-65.		12
32	Rapid preparation of monodisperse biodegradable polymer nanospheres using a membrane emulsification technique under low gas pressure. <i>Journal of Polymer Research</i> , 2011, 18, 2077-2085.	2.4	12
33	Synthesis and Characterization of a Temperature-responsive Amphiphilic Block Copolymer Containing a Liquid Crystalline Unit. <i>Chemistry Letters</i> , 2008, 37, 1214-1215.	1.3	11
34	Poly($\hat{\mu}$ -caprolactone) (PCL) hybrid sheets containing polymeric micelles: Effects of inner structures on the material properties of the sheets. <i>Materials Science and Engineering C</i> , 2017, 72, 325-331.	7.3	11
35	PLA- and PLA/PLGA-Emulsion Composite Biomaterial Sheets for the Controllable Sustained Release of Hydrophilic Compounds. <i>Materials</i> , 2018, 11, 2588.	2.9	9
36	Chitosan Gel Sheet Containing Polymeric Micelles: Synthesis and Gelation Properties of PEG-Grafted Chitosan. <i>Materials</i> , 2017, 10, 1075.	2.9	8

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37	Hinge-Linked Polymer Gels: A Rigid Network Cross-Linked with a Rotatable Tetrasubstituted Ferrocene. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1356-1362.	2.2	7
38	RAFT-based synthesis and the gelation property of telechelic polymers that can immobilize biomacromolecules. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1356-1365.	2.3	6
39	Synergic modulation of the inflammatory state of macrophages utilizing anti-oxidant and phosphatidylserine-containing polymer-lipid hybrid nanoparticles. <i>MedChemComm</i> , 2017, 8, 1514-1520.	3.4	6
40	Thermosensitive polysaccharide particles for pulmonary drug delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 580, 1237-20.	4.7	6
41	Title is missing!. <i>Biotechnology Letters</i> , 1999, 13, 165-168.	0.5	5
42	Continuous Enzymatic Synthesis of Peptide Precursor Masking Introduction into Cells Utilizing Extractive Reaction.. <i>Kagaku Kogaku Ronbunshu</i> , 1999, 25, 206-213.	0.3	3
43	Novel kinetic analysis of enzymatic dipeptide synthesis: Effect of pH and substrates on thermolysin catalysis. <i>Biotechnology and Bioengineering</i> , 2001, 74, 406-415.	3.3	3
44	A zeolite as a tool for successful refolding of PEGylated proteins and their reassembly with tertiary structures. <i>Biotechnology Progress</i> , 2019, 35, e2853.	2.6	3
45	Design of Dithiobenzoate RAFT Agent Bearing Hydroxyl Groups and Its Application in RAFT Polymerization for Telechelic Diol Polymers. <i>Polymers</i> , 2017, 9, 44.	4.5	2
46	Facile preparation of porous polymeric sheets with different sizes of pores on both sides using spontaneous emulsification. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 614, 126149.	4.7	2
47	Temperature-Responsive Polysaccharide Microparticles Containing Nanoparticles: Release of Multiple Cationic/Anionic Compounds. <i>Materials</i> , 2022, 15, 4717.	2.9	2
48	Enzymatic Production of ACE Inhibitory Peptides with Hydrolysis of Zein in Aqueous Two-phase System.. <i>Kagaku Kogaku Ronbunshu</i> , 1999, 25, 244-247.	0.3	1
49	Enzymatic Synthesis of Kyotorphin Precursor Utilizing Surfactant-Coated Enzyme in Organic Media.. <i>Kagaku Kogaku Ronbunshu</i> , 1999, 25, 240-243.	0.3	1
50	Novel gene assay by probe-regulated simultaneous separation using capillary electrophoresis (CE-PRESS). <i>Journal of Bioscience and Bioengineering</i> , 2003, 96, 95-7.	2.2	1
51	Precise Control of the Surface and Internal Morphologies of Porous Particles Prepared Using a Spontaneous Emulsification Method. <i>Langmuir</i> , 2021, 37, 3075-3085.	3.5	0