Seiichi Ohta

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4682015/publications.pdf

Version: 2024-02-01

56 papers	4,844 citations	361045 20 h-index	168136 53 g-index
57 all docs	57 docs citations	57 times ranked	9289 citing authors

#	Article	IF	Citations
1	Analysis of nanoparticle delivery to tumours. Nature Reviews Materials, 2016, 1, .	23.3	3,393
2	DNA-controlled dynamic colloidal nanoparticle systems for mediating cellular interaction. Science, 2016, 351, 841-845.	6.0	180
3	Injectable Hydrogel with Slow Degradability Composed of Gelatin and Hyaluronic Acid Cross-Linked by Schiffâ€™s Base Formation. Biomacromolecules, 2018, 19, 288-297.	2.6	163
4	In Situ Cross-Linkable Hydrogel of Hyaluronan Produced via Copper-Free Click Chemistry. Biomacromolecules, 2013, 14, 3581-3588.	2.6	108
5	Investigating the optimum size of nanoparticles for their delivery into the brain assisted by focused ultrasound-induced bloodâ€“brain barrier opening. Scientific Reports, 2020, 10, 18220.	1.6	105
6	Real time observation and kinetic modeling of the cellular uptake and removal of silicon quantum dots. Biomaterials, 2012, 33, 4639-4645.	5.7	59
7	Development of carboxymethyl cellulose nonwoven sheet as a novel hemostatic agent. Journal of Bioscience and Bioengineering, 2015, 119, 718-723.	1.1	47
8	Injectable Hemostat Composed of a Polyphosphate-Conjugated Hyaluronan Hydrogel. Biomacromolecules, 2018, 19, 3280-3290.	2.6	47
9	Production of Cisplatin-Incorporating Hyaluronan Nanogels via Chelating Ligandâ€“Metal Coordination. Bioconjugate Chemistry, 2016, 27, 504-508.	1.8	43
10	Enhancing Osteogenic Differentiation of MC3T3-E1 Cells by Immobilizing Inorganic Polyphosphate onto Hyaluronic Acid Hydrogel. Biomacromolecules, 2015, 16, 166-173.	2.6	39
11	Characterizing the protein corona of sub-10â€¯nm nanoparticles. Journal of Controlled Release, 2019, 304, 102-110.	4.8	38
12	Advanced Solid Phase Extraction for Inorganic Analysis and Its Applications. Bunseki Kagaku, 2008, 57, 969-989.	0.1	35
13	Selective labeling of the endoplasmic reticulum in live cells with silicon quantum dots. Chemical Communications, 2011, 47, 8409.	2.2	35
14	Fabrication of calcium phosphate-loaded carboxymethyl cellulose non-woven sheets for bone regeneration. Carbohydrate Polymers, 2018, 189, 322-330.	5.1	34
15	Intraperitoneal Delivery of Cisplatin via a Hyaluronan-Based Nanogel/in Situ Cross-Linkable Hydrogel Hybrid System for Peritoneal Dissemination of Gastric Cancer. Molecular Pharmaceutics, 2017, 14, 3105-3113.	2.3	32
16	Size- and surface chemistry-dependent intracellular localization of luminescent silicon quantum dot aggregates. Journal of Materials Chemistry, 2012, 22, 10631.	6.7	31
17	Preparation of uniform-sized hemoglobinâ€“albumin microspheres as oxygen carriers by Shirasu porous glass membrane emulsification technique. Colloids and Surfaces B: Biointerfaces, 2015, 127, 1-7.	2.5	26
18	A biocompatible calcium salt of hyaluronic acid grafted with polyacrylic acid. Carbohydrate Polymers, 2015, 117, 43-53.	5.1	26

#	Article	IF	Citations
19	Silver-loaded carboxymethyl cellulose nonwoven sheet with controlled counterions for infected wound healing. Carbohydrate Polymers, 2022, 286, 119289.	5.1	26
20	Aggregates of silicon quantum dots as a drug carrier: selective intracellular drug release based on pH-responsive aggregation/dispersion. Chemical Communications, 2015, 51, 6422-6425.	2.2	24
21	Balance of antiperitoneal adhesion, hemostasis, and operability of compressed bilayer ultrapure alginate sponges. , 2022, 137, 212825.		23
22	Size-Controlled Preparation of Microsized Perfluorocarbon Emulsions as Oxygen Carriers via the Shirasu Porous Glass Membrane Emulsification Technique. Langmuir, 2019, 35, 4094-4100.	1.6	22
23	Biocompatible Star Block Copolymer Hydrogel Cross-linked with Calcium Ions. ACS Biomaterials Science and Engineering, 2015, 1, 914-918.	2.6	18
24	In Situ Fabrication of Double-Layered Hydrogels via Spray Processes to Prevent Postoperative Peritoneal Adhesion. ACS Biomaterials Science and Engineering, 2019, 5, 4790-4798.	2.6	17
25	Size control of phaseâ€separated liquid crystal droplets in a polymer matrix based on the phase diagram. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 863-869.	2.4	16
26	Alignment of vascular endothelial cells as a collective response to shear flow. Journal Physics D: Applied Physics, 2015, 48, 245401.	1.3	16
27	Intraperitoneal Administration of a Cisplatin-Loaded Nanogel through a Hybrid System Containing an Alginic Acid-Based Nanogel and an In Situ Cross-Linkable Hydrogel for Peritoneal Dissemination of Ovarian Cancer. Molecular Pharmaceutics, 2021, 18, 4090-4098.	2.3	16
28	In VivoRedox-Responsive Solâ€“Gel/Gelâ€“Sol Transition of Star Block Copolymer Solution Based on Ionic Cross-Linking. Macromolecules, 2017, 50, 5539-5548.	2.2	15
29	Prevention of Peritoneal Adhesions by Ferric Ion-Cross-Linked Hydrogels of Hyaluronic Acid Modified with Iminodiacetic Acids. ACS Biomaterials Science and Engineering, 2018, 4, 3405-3412.	2.6	15
30	Switching of Cell Proliferation/Differentiation in Thiolâ€“Maleimide Clickable Microcapsules Triggered by in Situ Conjugation of Biomimetic Peptides. Biomacromolecules, 2019, 20, 2350-2359.	2.6	15
31	Sizeâ€dependent interaction of cells and hemoglobinâ€“albumin based oxygen carriers prepared using the <scp>SPG</scp> membrane emulsification technique. Biotechnology Progress, 2015, 31, 1676-1684.	1.3	13
32	Development of human-derived hemoglobinâ€“albumin microspheres as oxygen carriers using Shirasu porous glass membrane emulsification. Journal of Bioscience and Bioengineering, 2018, 126, 533-539.	1.1	13
33	The Prevention of Hepatectomy-Induced Adhesions by Bilayer Sponge Composed of Ultrapure Alginate. Journal of Surgical Research, 2019, 242, 286-295.	0.8	13
34	Formation of Well-Aligned Thin Films of Rod-Like Nanoparticles via Solvent Evaporation: A Simulation Study. Applied Physics Express, 2009, 2, 065002.	1.1	12
35	Simulation Model of Concentrated Colloidal Rod-Like Nanoparticles. Japanese Journal of Applied Physics, 2008, 47, 8124.	0.8	11
36	Analysis of the Calcium Alginate Gelation Process Using a Kenics Static Mixer. Industrial & Engineering Chemistry Research, 2015, 54, 2099-2107.	1.8	11

#	Article	IF	Citations
37	The Balance between the Hemostatic Effect and Immune Response of Hyaluronan Conjugated with Different Chain Lengths of Inorganic Polyphosphate. Biomacromolecules, 2020, 21, 2695-2704.	2.6	11
38	Bioinspired Perfluorocarbonâ€Based Oxygen Carriers with Concave Shape and Deformable Shell. Advanced Materials Technologies, 2022, 7, 2100573.	3.0	11
39	Pemetrexed-conjugated hyaluronan for the treatment of malignant pleural mesothelioma. European Journal of Pharmaceutical Sciences, 2019, 138, 105008.	1.9	10
40	Facile fabrication of PEG-coated PLGA microspheres via SPG membrane emulsification for the treatment of scleroderma by ECM degrading enzymes. Colloids and Surfaces B: Biointerfaces, 2019, 179, 453-461.	2.5	10
41	Prevention of postoperative peritoneal adhesions in rats with sidewall defect-bowel abrasions using metal ion-crosslinked N-succinyl chitosan hydrogels. Reactive and Functional Polymers, 2019, 145, 104374.	2.0	9
42	Analysis of Endoscopic Injectability and Post-Ejection Dripping of Yield Stress Fluids: Laponite, Carbopol and Xanthan Gum. Journal of Chemical Engineering of Japan, 2021, 54, 500-511.	0.3	8
43	Bone regeneration by calcium phosphateâ€loaded carboxymethyl cellulose nonwoven sheets in canine femoral condyle defects. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 1516-1521.	1.6	7
44	Nonlinear Pressure Drop Oscillations during Gelation in a Kenics Static Mixer. Industrial & Engineering Chemistry Research, 2020, 59, 4533-4541.	1.8	7
45	Cisplatinâ€“Chelated Iminodiacetic Acidâ€“Conjugated Hyaluronic Acid Nanogels for the Treatment of Malignant Pleural Mesothelioma in Mice. Molecular Pharmaceutics, 2022, 19, 853-861.	2.3	7
46	Injectable bottlebrush triblock copolymer hydrogel crosslinked with ferric ions. Polymer, 2022, 240, 124519.	1.8	5
47	Thermoreversible gelation with ion-binding cross-links of variable multiplicity. Journal of Chemical Physics, 2019, 150, 174904.	1.2	4
48	Recent advances in animal cell technologies for industrial and medical applications. Journal of Bioscience and Bioengineering, 2022, 133, 509-514.	1.1	3
49	Facile and wide-range size tuning of conjugated polymer nanoparticles for biomedical applications as a fluorescent probe. RSC Advances, 2022, 12, 11606-11611.	1.7	3
50	Ion-responsive fluorescence resonance energy transfer between grafted polyacrylic acid arms of star block copolymers. Polymer, 2018, 137, 169-172.	1.8	2
51	Analysis of model drug permeation through highly crosslinked and biodegradable polyethylene glycol membranes. Journal of Membrane Science, 2022, 645, 120218.	4.1	2
52	Development of Carboxymethyl Cellulose Nonwoven Sheet as a Novel Hemostatic Material. Membrane, 2015, 40, 143-148.	0.0	1
53	Preparation of Uniform-Sized Poly[methacryloxypropyl Tris(trimethylsiloxy)silane] Microspheres via Shirasu Porous Glass Membrane Emulsification Technique. Journal of Chemical Engineering of Japan, 2013, 46, 777-784.	0.3	1
54	Bioinspired Perfluorocarbonâ€Based Oxygen Carriers with Concave Shape and Deformable Shell (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.0	1

#	Article	IF	Citations
55	1F34 Immobilizing inorganic polyphosphate onto hyaluronic acid for use as a hydrogel scaffold in osteochondral tissue engineering. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2015, 2015.27, 249-250.	0.0	0
56	Development of Novel CMC Nonwoven Sheets and Their Biomedical Applications. Membrane, 2022, 47, 28-35.	0.0	0