

Seiichi Ohta

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

3,412
citations

19
h-index

57
g-index

57
ext. papers

4,139
ext. citations

7.1
avg. IF

5.49
L-index

#	Paper	IF	Citations
55	Analysis of nanoparticle delivery to tumours. <i>Nature Reviews Materials</i> , 2016 , 1,	73.3	2438
54	DNA-controlled dynamic colloidal nanoparticle systems for mediating cellular interaction. <i>Science</i> , 2016 , 351, 841-5	33.3	158
53	Injectable Hydrogel with Slow Degradability Composed of Gelatin and Hyaluronic Acid Cross-Linked by Schiff's Base Formation. <i>Biomacromolecules</i> , 2018 , 19, 288-297	6.9	99
52	In situ cross-linkable hydrogel of hyaluronan produced via copper-free click chemistry. <i>Biomacromolecules</i> , 2013 , 14, 3581-8	6.9	92
51	Real time observation and kinetic modeling of the cellular uptake and removal of silicon quantum dots. <i>Biomaterials</i> , 2012 , 33, 4639-45	15.6	45
50	Development of carboxymethyl cellulose nonwoven sheet as a novel hemostatic agent. <i>Journal of Bioscience and Bioengineering</i> , 2015 , 119, 718-23	3.3	38
49	Production of Cisplatin-Incorporating Hyaluronan Nanogels via Chelating Ligand-Metal Coordination. <i>Bioconjugate Chemistry</i> , 2016 , 27, 504-8	6.3	33
48	Injectable Hemostat Composed of a Polyphosphate-Conjugated Hyaluronan Hydrogel. <i>Biomacromolecules</i> , 2018 , 19, 3280-3290	6.9	33
47	Selective labeling of the endoplasmic reticulum in live cells with silicon quantum dots. <i>Chemical Communications</i> , 2011 , 47, 8409-11	5.8	33
46	Advanced Solid Phase Extraction for Inorganic Analysis and Its Applications. <i>Bunseki Kagaku</i> , 2008 , 57, 969-989	0.2	33
45	Enhancing osteogenic differentiation of MC3T3-E1 cells by immobilizing inorganic polyphosphate onto hyaluronic acid hydrogel. <i>Biomacromolecules</i> , 2015 , 16, 166-73	6.9	31
44	Size- and surface chemistry-dependent intracellular localization of luminescent silicon quantum dot aggregates. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10631		30
43	Investigating the optimum size of nanoparticles for their delivery into the brain assisted by focused ultrasound-induced blood-brain barrier opening. <i>Scientific Reports</i> , 2020 , 10, 18220	4.9	30
42	Intraperitoneal Delivery of Cisplatin via a Hyaluronan-Based Nanogel/in Situ Cross-Linkable Hydrogel Hybrid System for Peritoneal Dissemination of Gastric Cancer. <i>Molecular Pharmaceutics</i> , 2017 , 14, 3105-3113	5.6	22
41	Preparation of uniform-sized hemoglobin-albumin microspheres as oxygen carriers by Shirasu porous glass membrane emulsification technique. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 127, 1-7	6	22
40	Fabrication of calcium phosphate-loaded carboxymethyl cellulose non-woven sheets for bone regeneration. <i>Carbohydrate Polymers</i> , 2018 , 189, 322-330	10.3	21
39	Characterizing the protein corona of sub-10 nm nanoparticles. <i>Journal of Controlled Release</i> , 2019 , 304, 102-110	11.7	20

38	Aggregates of silicon quantum dots as a drug carrier: selective intracellular drug release based on pH-responsive aggregation/dispersion. <i>Chemical Communications</i> , 2015 , 51, 6422-5	5.8	20
37	A biocompatible calcium salt of hyaluronic acid grafted with polyacrylic acid. <i>Carbohydrate Polymers</i> , 2015 , 117, 43-53	10.3	20
36	Biocompatible Star Block Copolymer Hydrogel Cross-linked with Calcium Ions. <i>ACS Biomaterials Science and Engineering</i> , 2015 , 1, 914-918	5.5	16
35	Size control of phase-separated liquid crystal droplets in a polymer matrix based on the phase diagram. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012 , 50, 863-869	2.6	14
34	Size-Controlled Preparation of Microsized Perfluorocarbon Emulsions as Oxygen Carriers via the Shirasu Porous Glass Membrane Emulsification Technique. <i>Langmuir</i> , 2019 , 35, 4094-4100	4	13
33	Alignment of vascular endothelial cells as a collective response to shear flow. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 245401	3	13
32	Prevention of Peritoneal Adhesions by Ferric Ion-Cross-Linked Hydrogels of Hyaluronic Acid Modified with Iminodiacetic Acids. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 3405-3412	5.5	11
31	In Vivo Redox-Responsive Sol-Gel/Gel-Sol Transition of Star Block Copolymer Solution Based on Ionic Cross-Linking. <i>Macromolecules</i> , 2017 , 50, 5539-5548	5.5	11
30	Switching of Cell Proliferation/Differentiation in Thiol-Maleimide Clickable Microcapsules Triggered by in Situ Conjugation of Biomimetic Peptides. <i>Biomacromolecules</i> , 2019 , 20, 2350-2359	6.9	10
29	In Situ Fabrication of Double-Layered Hydrogels via Spray Processes to Prevent Postoperative Peritoneal Adhesion. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 4790-4798	5.5	10
28	Size-dependent interaction of cells and hemoglobin-albumin based oxygen carriers prepared using the SPG membrane emulsification technique. <i>Biotechnology Progress</i> , 2015 , 31, 1676-84	2.8	10
27	Formation of Well-Aligned Thin Films of Rod-Like Nanoparticles via Solvent Evaporation: A Simulation Study. <i>Applied Physics Express</i> , 2009 , 2, 065002	2.4	9
26	Analysis of the Calcium Alginate Gelation Process Using a Kenics Static Mixer. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 2099-2107	3.9	8
25	Simulation Model of Concentrated Colloidal Rod-Like Nanoparticles. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 8124-8130	1.4	8
24	The Prevention of Hepatectomy-Induced Adhesions by Bilayer Sponge Composed of Ultrapure Alginate. <i>Journal of Surgical Research</i> , 2019 , 242, 286-295	2.5	7
23	Silver-loaded carboxymethyl cellulose nonwoven sheet with controlled counterions for infected wound healing.. <i>Carbohydrate Polymers</i> , 2022 , 286, 119289	10.3	7
22	Pemetrexed-conjugated hyaluronan for the treatment of malignant pleural mesothelioma. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 138, 105008	5.1	6
21	Development of human-derived hemoglobin-albumin microspheres as oxygen carriers using Shirasu porous glass membrane emulsification. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 126, 533-539	3.3	6

20	Bone regeneration by calcium phosphate-loaded carboxymethyl cellulose nonwoven sheets in canine femoral condyle defects. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019 , 107, 1516-1521	3.5	5
19	Facile fabrication of PEG-coated PLGA microspheres via SPG membrane emulsification for the treatment of scleroderma by ECM degrading enzymes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 179, 453-461	6	4
18	The Balance between the Hemostatic Effect and Immune Response of Hyaluronan Conjugated with Different Chain Lengths of Inorganic Polyphosphate. <i>Biomacromolecules</i> , 2020 , 21, 2695-2704	6.9	3
17	Prevention of postoperative peritoneal adhesions in rats with sidewall defect-bowel abrasions using metal ion-crosslinked N-succinyl chitosan hydrogels. <i>Reactive and Functional Polymers</i> , 2019 , 145, 104374	4.6	3
16	Intraperitoneal Administration of a Cisplatin-Loaded Nanogel through a Hybrid System Containing an Alginate Acid-Based Nanogel and a Cross-Linkable Hydrogel for Peritoneal Dissemination of Ovarian Cancer. <i>Molecular Pharmaceutics</i> , 2021 , 18, 4090-4098	5.6	3
15	Nonlinear Pressure Drop Oscillations during Gelation in a Kenics Static Mixer. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 4533-4541	3.9	2
14	Ion-responsive fluorescence resonance energy transfer between grafted polyacrylic acid arms of star block copolymers. <i>Polymer</i> , 2018 , 137, 169-172	3.9	2
13	Bioinspired Perfluorocarbon-Based Oxygen Carriers with Concave Shape and Deformable Shell. <i>Advanced Materials Technologies</i> , 2100573	6.8	2
12	Analysis of Endoscopic Injectability and Post-Ejection Dripping of Yield Stress Fluids: Laponite, Carbopol and Xanthan Gum. <i>Journal of Chemical Engineering of Japan</i> , 2021 , 54, 500-511	0.8	2
11	Balance of antiperitoneal adhesion, hemostasis, and operability of compressed bilayer ultrapure alginate sponges 2022 , 212825		2
10	Development of Carboxymethyl Cellulose Nonwoven Sheet as a Novel Hemostatic Material. <i>Membrane</i> , 2015 , 40, 143-148	0	1
9	Cisplatin-Chelated Iminodiacetic Acid-Conjugated Hyaluronic Acid Nanogels for the Treatment of Malignant Pleural Mesothelioma in Mice.. <i>Molecular Pharmaceutics</i> , 2022 ,	5.6	1
8	Preparation of Uniform-Sized Poly[methacryloxypropyl Tris(trimethylsiloxy)silane] Microspheres via Shirasu Porous Glass Membrane Emulsification Technique. <i>Journal of Chemical Engineering of Japan</i> , 2013 , 46, 777-784	0.8	1
7	Injectable bottlebrush triblock copolymer hydrogel crosslinked with ferric ions. <i>Polymer</i> , 2022 , 240, 124519		1
6	Thermoreversible gelation with ion-binding cross-links of variable multiplicity. <i>Journal of Chemical Physics</i> , 2019 , 150, 174904	3.9	0
5	Analysis of model drug permeation through highly crosslinked and biodegradable polyethylene glycol membranes. <i>Journal of Membrane Science</i> , 2022 , 645, 120218	9.6	0
4	Development of Novel CMC Nonwoven Sheets and Their Biomedical Applications. <i>Membrane</i> , 2022 , 47, 28-35	0	
3	1F34 Immobilizing inorganic polyphosphate onto hyaluronic acid for use as a hydrogel scaffold in osteochondral tissue engineering. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , 2015 , 2015.27, 249-250	0	

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| 2 | Bioinspired Perfluorocarbon-Based Oxygen Carriers with Concave Shape and Deformable Shell (Adv. Mater. Technol. 3/2022). <i>Advanced Materials Technologies</i> , 2022 , 7, 2270011 | 6.8 |
| 1 | Facile and wide-range size tuning of conjugated polymer nanoparticles for biomedical applications as a fluorescent probe.. <i>RSC Advances</i> , 2022 , 12, 11606-11611 | 3.7 |