

Shinji Takeoka

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5377434/publications.pdf>

Version: 2024-02-01

200
papers

5,452
citations

87888

38
h-index

114465

63
g-index

205
all docs

205
docs citations

205
times ranked

5557
citing authors

#	ARTICLE	IF	CITATIONS
1	A Nanoparticle-Based Ratiometric and Self-Calibrated Fluorescent Thermometer for Single Living Cells. ACS Nano, 2014, 8, 198-206.	14.6	183
2	Molecular dimensions of Hb-based O ₂ carriers determine constriction of resistance arteries and hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H908-H915.	3.2	178
3	Ultra-thin conductive free-standing PEDOT/PSS nanofilms. Soft Matter, 2011, 7, 10642.	2.7	173
4	Adhesive, Flexible, and Robust Polysaccharide Nanosheets Integrated for Tissue Defect Repair. Advanced Functional Materials, 2009, 19, 2560-2568.	14.9	164
5	Free-standing Biodegradable Poly(lactic acid) Nanosheet for Sealing Operations in Surgery. Advanced Materials, 2009, 21, 4388-4392.	21.0	155
6	Tissue-adhesive wirelessly powered optoelectronic device for metronomic photodynamic cancer therapy. Nature Biomedical Engineering, 2019, 3, 27-36.	22.5	155
7	Surface Modification of Hemoglobin Vesicles with Poly(ethylene glycol) and Effects on Aggregation, Viscosity, and Blood Flow during 90 Exchange Transfusion in Anesthetized Rats. Bioconjugate Chemistry, 1997, 8, 23-30.	3.6	140
8	Evaluation of pH-responsive liposomes containing amino acid-based zwitterionic lipids for improving intracellular drug delivery in vitro and in vivo. Journal of Controlled Release, 2010, 142, 267-276.	9.9	121
9	A ratiometric fluorescent molecular probe for visualization of mitochondrial temperature in living cells. Chemical Communications, 2015, 51, 6194-6197.	4.1	111
10	Periosteum-mimetic Structures Made from Freestanding Microgrooved Nanosheets. Advanced Materials, 2014, 26, 3290-3296.	21.0	94
11	Recent advancement of ion-conductive polymers. Polymers for Advanced Technologies, 1993, 4, 53-73.	3.2	93
12	Physical Properties of Hemoglobin Vesicles as Red Cell Substitutes. Biotechnology Progress, 1996, 12, 119-125.	2.6	93
13	Effective Encapsulation of Proteins into Size-Controlled Phospholipid Vesicles Using Freeze-Thawing and Extrusion. Biotechnology Progress, 2003, 19, 1547-1552.	2.6	85
14	Walking nanothermometers: spatiotemporal temperature measurement of transported acidic organelles in single living cells. Lab on A Chip, 2012, 12, 1591.	6.0	84
15	Evaluation of Cationic Assemblies Constructed with Amino Acid Based Lipids for Plasmid DNA Delivery. Bioconjugate Chemistry, 2008, 19, 1055-1063.	3.6	80
16	Sustainable antimicrobial effect of silver sulfadiazine-loaded nanosheets on infection in a mouse model of partial-thickness burn injury. Acta Biomaterialia, 2015, 24, 87-95.	8.3	80
17	Encapsulation of Concentrated Hemoglobin Solution in Phospholipid Vesicles Retards the Reaction with NO, but Not CO, by Intracellular Diffusion Barrier. Journal of Biological Chemistry, 2008, 283, 1508-1517.	3.4	73
18	Fragmentation of Poly(lactic acid) Nanosheets and Patchwork Treatment for Burn Wounds. Advanced Materials, 2013, 25, 545-551.	21.0	69

#	ARTICLE	IF	CITATIONS
19	Layer-Controlled Hemoglobin Vesicles by Interaction of Hemoglobin with a Phospholipid Assembly. <i>Langmuir</i> , 1996, 12, 1755-1759.	3.5	68
20	Subcutaneous microvascular responses to hemodilution with a red cell substitute consisting of polyethyleneglycol-modified vesicles encapsulating hemoglobin. <i>Journal of Biomedical Materials Research Part B</i> , 1998, 40, 66-78.	3.1	65
21	Investigation of the Antibacterial Activity and in vivo Cytotoxicity of Biogenic Silver Nanoparticles as Potent Therapeutics. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 239.	4.1	64
22	Physiological Capacity of the Reticuloendothelial System for the Degradation of Hemoglobin Vesicles (Artificial Oxygen Carriers) after Massive Intravenous Doses by Daily Repeated Infusions for 14 Days. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 311, 874-884.	2.5	63
23	Hemostatic Effects of Phospholipid Vesicles Carrying Fibrinogen γ Chain Dodecapeptide in Vitro and in Vivo. <i>Bioconjugate Chemistry</i> , 2005, 16, 1589-1596.	3.6	60
24	Stretchable, adhesive and ultra-conformable elastomer thin films. <i>Soft Matter</i> , 2016, 12, 9202-9209.	2.7	59
25	Dual therapeutic action of antibiotic-loaded nanosheets for the treatment of gastrointestinal tissue defects. <i>Biomaterials</i> , 2010, 31, 6269-6278.	11.4	56
26	Microvascular responses to hemodilution with Hb vesicles as red blood cell substitutes: influence of O ₂ affinity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 276, H553-H562.	3.2	55
27	Evasion of the accelerated blood clearance phenomenon by polysarcosine coating of liposomes. <i>Journal of Controlled Release</i> , 2020, 322, 209-216.	9.9	54
28	Free-Standing Poly(l-lactic acid) Nanofilms Loaded with Superparamagnetic Nanoparticles. <i>Langmuir</i> , 2011, 27, 5589-5595.	3.5	49
29	Rolling properties of rGPIb α -conjugated phospholipid vesicles with different membrane flexibilities on vWf surface under flow conditions. <i>Biochemical and Biophysical Research Communications</i> , 2002, 296, 765-770.	2.1	48
30	Adhesion and proliferation of skeletal muscle cells on single layer poly(lactic acid) ultra-thin films. <i>Biomedical Microdevices</i> , 2010, 12, 809-819.	2.8	48
31	Plasmid DNA-encapsulating liposomes: Effect of a spacer between the cationic head group and hydrophobic moieties of the lipids on gene expression efficiency. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1148-1158.	2.6	46
32	Therapeutic efficacy of an antibiotic-loaded nanosheet in a murine burn-wound infection model. <i>Acta Biomaterialia</i> , 2012, 8, 2932-2940.	8.3	43
33	Hydrodynamic Transformation of a Freestanding Polymer Nanosheet Induced by a Thermoresponsive Surface. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1404-1413.	8.0	42
34	Synthesis and Assembly of Poly(ethylene glycol)-Lipids with Mono-, Di-, and Tetraacyl Chains and a Poly(ethylene glycol) Chain of Various Molecular Weights. <i>Journal of the American Chemical Society</i> , 2000, 122, 7927-7935.	13.7	41
35	Hemostatic effects of fibrinogen gamma-chain dodecapeptide-conjugated polymerized albumin particles in vitro and in vivo. <i>Transfusion</i> , 2005, 45, 1221-1228.	1.6	40
36	Prolonged Oxygen-Carrying Ability of Hemoglobin Vesicles by Coencapsulation of Catalase in Vivo. <i>Bioconjugate Chemistry</i> , 2003, 14, 1171-1176.	3.6	39

#	ARTICLE	IF	CITATIONS
37	Host-guest assembly of pyridinium-conjugated calix[4]arene via cation-π interaction. <i>Tetrahedron Letters</i> , 2006, 47, 181-184.	1.4	39
38	Intracellular Delivery of Universal Proteins Using a Lysine Headgroup Containing Cationic Liposomes: Deciphering the Uptake Mechanism. <i>Molecular Pharmaceutics</i> , 2014, 11, 164-174.	4.6	39
39	Methemoglobin Formation in Hemoglobin Vesicles and Reduction by Encapsulated Thiols. <i>Bioconjugate Chemistry</i> , 1997, 8, 539-544.	3.6	38
40	Ultrathin epidermal strain sensor based on an elastomer nanosheet with an inkjet-printed conductive polymer. <i>Applied Physics Express</i> , 2017, 10, 087201.	2.4	38
41	Conjugation of Von Willebrand Factor-Binding Domain of Platelet Glycoprotein Ib α to Size-Controlled Albumin Microspheres. <i>Biomacromolecules</i> , 2000, 1, 290-295.	5.4	37
42	Fibrinogen-Conjugated Albumin Polymers and Their Interaction with Platelets under Flow Conditions. <i>Biomacromolecules</i> , 2001, 2, 1192-1197.	5.4	37
43	An ultrathin poly(L-lactic acid) nanosheet as a burn wound dressing for protection against bacterial infection. <i>Wound Repair and Regeneration</i> , 2012, 20, 573-579.	3.0	37
44	Function of fibrinogen β -chain dodecapeptide-conjugated latex beads under flow. <i>Biochemical and Biophysical Research Communications</i> , 2003, 312, 773-779.	2.1	36
45	Novel Platelet Substitutes: Disk-Shaped Biodegradable Nanosheets and their Enhanced Effects on Platelet Aggregation. <i>Bioconjugate Chemistry</i> , 2009, 20, 1958-1965.	3.6	36
46	Printed nanofilms mechanically conforming to living bodies. <i>Biomaterials Science</i> , 2019, 7, 520-531.	5.4	36
47	Nonaqueous Proton Conduction in Poly(thiophenylenesulfonic acid)/Poly(oxyethylene) Composite. <i>Chemistry of Materials</i> , 1999, 11, 1171-1173.	6.7	35
48	Effect of Hb-Encapsulation with Vesicles on H ₂ O ₂ Reaction and Lipid Peroxidation. <i>Bioconjugate Chemistry</i> , 2002, 13, 1302-1308.	3.6	35
49	Physicochemical characterization of cross-linked human serum albumin dimer and its synthetic heme hybrid as an oxygen carrier. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2004, 1675, 21-31.	2.4	35
50	Enhanced cellular uptake of maleimide-modified liposomes via thiol-mediated transport. <i>International Journal of Nanomedicine</i> , 2014, 9, 2849.	6.7	35
51	Facilely Fabricated Luminescent Nanoparticle Thermosensor for Real-Time Microthermography in Living Animals. <i>ACS Sensors</i> , 2016, 1, 1222-1227.	7.8	35
52	Evaluation of cationic liposomes composed of an amino acid-based lipid for neuronal transfection. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010, 6, 70-77.	3.3	34
53	Hemorrhagic Shock Resuscitation With an Artificial Oxygen Carrier, Hemoglobin Vesicle, Maintains Intestinal Perfusion and Suppresses the Increase in Plasma Tumor Necrosis Factor- α . <i>ASAIO Journal</i> , 2004, 50, 458-463.	1.6	33
54	New strategy of platelet substitutes for enhancing platelet aggregation at high shear rates: cooperative effects of a mixed system of fibrinogen β -chain dodecapeptide- or glycoprotein Ib α -conjugated latex beads under flow conditions. <i>Journal of Artificial Organs</i> , 2006, 9, 251-258.	0.9	32

#	ARTICLE	IF	CITATIONS
55	Construction and evaluation of pH-sensitive immunoliposomes for enhanced delivery of anticancer drug to ErbB2 over-expressing breast cancer cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1219-1227.	3.3	32
56	Carbon monoxide overproduced by heme oxygenase-1 causes a reduction of vascular resistance in perfused rat liver. <i>American Journal of Physiology - Renal Physiology</i> , 1999, 277, G1088-G1096.	3.4	31
57	Release abilities of adenosine diphosphate from phospholipid vesicles with different membrane properties and their hemostatic effects as a platelet substitute. <i>Journal of Controlled Release</i> , 2010, 148, 373-379.	9.9	31
58	Sealing effect of a polysaccharide nanosheet for murine cecal puncture. <i>Surgery</i> , 2010, 148, 48-58.	1.9	31
59	Selective Molecular Permeability Induced by Glass Transition Dynamics of Semicrystalline Polymer Ultrathin Films. <i>Macromolecules</i> , 2013, 46, 395-402.	4.8	30
60	Biohybrid Actuators Based on Skeletal Muscle-Powered Microgrooved Ultrathin Films Consisting of Poly(styrene- <i>block</i> -butadiene- <i>block</i> -styrene). <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5734-5743.	5.2	30
61	Ultrathin and Stretchable Rechargeable Devices with Organic Polymer Nanosheets Conformable to Skin Surface. <i>Small</i> , 2019, 15, 1805296.	10.0	30
62	Morphological Evolution within Spin-Cast Ultrathin Polymer Blend Films Clarified by a Freestanding Method. <i>Macromolecules</i> , 2012, 45, 4315-4321.	4.8	29
63	A novel application of maleimide for advanced drug delivery: in vitro and in vivo evaluation of maleimide-modified pH-sensitive liposomes. <i>International Journal of Nanomedicine</i> , 2013, 8, 3855.	6.7	29
64	Glue-Free Stacked Luminescent Nanosheets Enable High-Resolution Ratiometric Temperature Mapping in Living Small Animals. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33377-33385.	8.0	29
65	Combination therapy using fibrinogen Î³-chain peptide-coated, ADP-encapsulated liposomes and hemoglobin vesicles for trauma-induced massive hemorrhage in thrombocytopenic rabbits. <i>Transfusion</i> , 2019, 59, 3186-3196.	1.6	29
66	Properties of and Oxygen Binding by Albumin ⁺ Tetraphenylporphyrinatoiron(II) Derivative Complexes. <i>Bioconjugate Chemistry</i> , 1997, 8, 534-538.	3.6	28
67	A nano-fibrous assembly of collagen-hyaluronic acid for controlling cell-adhesive properties. <i>Soft Matter</i> , 2010, 6, 4672.	2.7	28
68	Heterofunctional nanosheet controlling cell adhesion properties by collagen coating. <i>Journal of Biomaterials Applications</i> , 2012, 27, 131-141.	2.4	28
69	Phospholipase C ² 1 induces membrane tubulation and is involved in caveolae formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7834-7839.	7.1	28
70	Evaluation of the influence of ionization states and spacers in the thermotropic phase behaviour of amino acid-based cationic lipids and the transfection efficiency of their assemblies. <i>International Journal of Pharmaceutics</i> , 2012, 422, 364-373.	5.2	27
71	Hemostatic effects of polymerized albumin particles bearing rGPIIb/IIIa in thrombocytopenic mice. <i>Biochemical and Biophysical Research Communications</i> , 2003, 306, 256-260.	2.1	25
72	Micro-thermography in millimeter-scale animals by using orally-dosed fluorescent nanoparticle thermosensors. <i>Analyst</i> , The, 2015, 140, 7534-7539.	3.5	25

#	ARTICLE	IF	CITATIONS
73	Metronomic photodynamic therapy using an implantable LED device and orally administered 5-aminolevulinic acid. <i>Scientific Reports</i> , 2020, 10, 22017.	3.3	25
74	Novel technique of overlaying a poly-L-lactic acid nanosheet for adhesion prophylaxis and fixation of intraperitoneal onlay polypropylene mesh in a rabbit model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2011, 25, 3428-3436.	2.4	24
75	Development of Latanoprost-Loaded Biodegradable Nanosheet as a New Drug Delivery System for Glaucoma. , 2013, 54, 5629.		24
76	Elastic kirigami patch for electromyographic analysis of the palm muscle during baseball pitching. <i>NPG Asia Materials</i> , 2019, 11, .	7.9	24
77	Prolonged hemostatic ability of polyethylene glycol?modified polymerized albumin particles carrying fibrinogen ?-chain dodecapeptide. <i>Transfusion</i> , 2007, 47, 1254-1262.	1.6	23
78	Development of biodegradable nanosheets as nanoadhesive plaster. <i>Pure and Applied Chemistry</i> , 2008, 80, 2259-2271.	1.9	23
79	Adhesive and robust multilayered poly(lactic acid) nanosheets for hemostatic dressing in liver injury model. , 2017, 105, 1747-1757.		23
80	Large-scale Fabrication of Porous Polymer Nanosheets for Engineering Hierarchical Cellular Organization. <i>Advanced Materials Technologies</i> , 2016, 1, 1600064.	5.8	22
81	Lysine-containing cationic liposomes activate the NLRP3 inflammasome: Effect of a spacer between the head group and the hydrophobic moieties of the lipids. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 279-288.	3.3	22
82	Hemoglobin Vesicles Containing Methemoglobin and L-Tyrosine to Suppress Methemoglobin Formation in Vitro and in Vivo. <i>Bioconjugate Chemistry</i> , 2006, 17, 1241-1245.	3.6	21
83	Selective surface modification of free-standing polysaccharide nanosheet with micro/nano-particles identified by structural color changes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 334, 28-33.	4.7	21
84	Effect of the nanoformulation of siRNA-lipid assemblies on their cellular uptake and immune stimulation. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 5121-5133.	6.7	21
85	EFFECTS OF POLY(ETHYLENEGLYCOL)-MODIFIED HEMOGLOBIN VESICLES ON AGONIST-INDUCED PLATELET AGGREGATION AND RANTES RELEASE IN VITRO. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2001, 29, 191-201.	0.9	20
86	Atropisomers of meso-Conjugated Uracyl Porphyrin Derivatives and Their Assembling Structures. <i>Organic Letters</i> , 2007, 9, 17-20.	4.6	20
87	Visualization of liposomes carrying fibrinogen Î³-chain dodecapeptide accumulated to sites of vascular injury using computed tomography. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010, 6, 391-396.	3.3	20
88	<p>NLRP3 inflammasome-activating arginine-based liposomes promote antigen presentations in dendritic cells</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 3503-3516.	6.7	20
89	Synthesis of Biogenic Silver Nanoparticles Using <i>Caesalpinia digyna</i> and Investigation of Their Antimicrobial Activity and <i>In Vivo</i> Biocompatibility. <i>ACS Applied Bio Materials</i> , 2020, 3, 7722-7733.	4.6	20
90	Cationic Amino Acid Based Lipids as Effective Nonviral Gene Delivery Vectors for Primary Cultured Neurons. <i>ACS Chemical Neuroscience</i> , 2013, 4, 1514-1519.	3.5	19

#	ARTICLE	IF	CITATIONS
91	Application of nanosheets as an anti-adhesion barrier in partial hepatectomy. , 2013, 101, 1251-1258.		19
92	Application of Poly-L-Lactic Acid Nanosheet as a Material for Wound Dressing. Plastic and Reconstructive Surgery, 2013, 131, 236-240.	1.4	19
93	Preparation, Characterization, and Preliminary In Vitro Testing of Nanoceria-Loaded Liposomes. Nanomaterials, 2017, 7, 276.	4.1	19
94	A rapid and highly sensitive biomarker detection platform based on a temperature-responsive liposome-linked immunosorbent assay. Scientific Reports, 2020, 10, 18086.	3.3	19
95	Fabrication of free-standing nanoparticle-fused nanosheets and their hetero-modification using sacrificial film. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 318, 184-190.	4.7	18
96	A Few Immobilized Thrombins Are Sufficient for Platelet Spreading. Biophysical Journal, 2011, 100, 1855-1863.	0.5	18
97	Treatment with fibrinogen β -chain peptide-coated, adenosine 5'-diphosphate-encapsulated liposomes as an infusible hemostatic agent against active liver bleeding in rabbits with acute thrombocytopenia. Transfusion, 2015, 55, 314-325.	1.6	18
98	Inkjet-Printed Neural Electrodes with Mechanically Gradient Structure. ACS Applied Bio Materials, 2019, 2, 20-26.	4.6	18
99	Polymerization of liposomes composed of diene-containing lipids by radical initiators. II. Polymerization of monodiene-type lipids as liposomes. Journal of Polymer Science Part A, 1987, 25, 2737-2746.	2.3	17
100	Convenient method for surface modification by patching a freestanding anti-biofouling nanosheet. Journal of Materials Chemistry, 2011, 21, 9112.	6.7	17
101	Arginine-based cationic liposomes for efficient in vitro plasmid DNA delivery with low cytotoxicity. International Journal of Nanomedicine, 2013, 8, 1361.	6.7	17
102	Development of a ubiquitously transferrable silver nanoparticle-loaded polymer nanosheet as an antimicrobial coating. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 585-593.	3.4	17
103	Sandwich fixation of electronic elements using free-standing elastomeric nanosheets for low-temperature device processes. Journal of Materials Chemistry C, 2017, 5, 1321-1327.	5.5	17
104	Encapsulation of Hb into unsaturated lipid vesicles and β -ray polymerization. Polymers for Advanced Technologies, 1992, 3, 389-394.	3.2	16
105	Porphyrin Capped with Calix[4]arene Derivative via Hydrogen Bonds. Bulletin of the Chemical Society of Japan, 2005, 78, 2007-2013.	3.2	16
106	The efficacy of basic fibroblast growth factor-loaded poly(lactic-co-glycolic acid) nanosheet for mouse wound healing. Wound Repair and Regeneration, 2017, 25, 1008-1016.	3.0	16
107	Construction of Artificial Methemoglobin Reduction Systems in Hb Vesicles. Artificial Cells, Blood Substitutes, and Biotechnology, 1997, 25, 31-41.	0.9	15
108	Stability of porphyrin-calix[4]arene complexes analyzed by electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 2065-2068.	1.5	15

#	ARTICLE	IF	CITATIONS
109	Enhanced cellular engraftment of adipose-derived mesenchymal stem cell spheroids by using nanosheets as scaffolds. <i>Scientific Reports</i> , 2021, 11, 14500.	3.3	15
110	Decoration of fibrinogen β^3 -chain peptide on adenosine diphosphate-encapsulated liposomes enhances binding of the liposomes to activated platelets. <i>International Journal of Pharmaceutics</i> , 2011, 407, 151-157.	5.2	14
111	A Cu-free clickable fluorescent probe for intracellular targeting of small biomolecules. <i>Chemical Communications</i> , 2015, 51, 7879-7882.	4.1	14
112	In situ transplantation of adipose tissue-derived stem cells organized on porous polymer nanosheets for murine skin defects. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 1363-1371.	3.4	14
113	Paper-Based Wearable Ammonia Gas Sensor Using Organic-Inorganic Composite PEDOT:PSS with Iron(III) Compounds. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	14
114	Preparation of dehydrated powder of hemoglobin vesicles. <i>Polymers for Advanced Technologies</i> , 1992, 3, 17-21.	3.2	13
115	Graphene/Au Hybrid Antenna Coil Exfoliated with Multi-Stacked Graphene Flakes for Ultra-Thin Biomedical Devices. <i>Advanced Electronic Materials</i> , 2020, 6, 1901143.	5.1	13
116	Helical arrangement of a hydrogen-bonded columnar liquid crystal induced by a centered triphenylene derivative bearing chiral side-chains. <i>Polymers for Advanced Technologies</i> , 2008, 19, 1097-1104.	3.2	12
117	Ultrastructural analysis of thrombin-induced interaction between human platelets and liposomes carrying fibrinogen β^3 -chain dodecapeptide as a synthetic platelet substitute. <i>Thrombosis Research</i> , 2011, 128, 552-559.	1.7	12
118	Multiplex analysis of sphingolipids using amine-reactive tags (iTRAQ). <i>Journal of Lipid Research</i> , 2011, 52, 1294-1302.	4.2	12
119	Incorporation of fluorescent probes to the inner aqueous phase of previously polymerized liposomes. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1987, 8, 215-218.	1.1	11
120	EFFECTS OF POLY(ETHYLENEGLYCOL)-MODIFIED HEMOGLOBIN VESICLES ONN-FORMYL-METHIONYL-LEUCYL-PHENYLALANINE-INDUCED RESPONSES OF POLYMORPHONUCLEAR NEUTROPHILS IN VITRO. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2001, 29, 427-437.	0.9	11
121	Pharmacokinetic Study of the Structural Components of Adenosine Diphosphate-Encapsulated Liposomes Coated with Fibrinogen β^3 -Chain Dodecapeptide as a Synthetic Platelet Substitute. <i>Drug Metabolism and Disposition</i> , 2013, 41, 1584-1591.	3.3	11
122	Enhanced In Vitro Magnetic Cell Targeting of Doxorubicin-Loaded Magnetic Liposomes for Localized Cancer Therapy. <i>Nanomaterials</i> , 2020, 10, 2104.	4.1	11
123	Synthesis, polymerization and cation conductive properties of (i%-carboxy)-oligo(oxyethylene) methacrylate. <i>Polymers for Advanced Technologies</i> , 1990, 1, 201-205.	3.2	10
124	Effective control of massive venous bleeding by multi-overlapping therapy using polysaccharide nanosheets in a rabbit inferior vena cava injury model. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2013, 1, 289-297.	1.6	10
125	Intracellular Distribution of Lipids and Encapsulated Model Drugs from Cationic Liposomes with Different Uptake Pathways. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 8401-8409.	6.7	10
126	Human Serum Albumin-Bound Synthetic Hemes as An Oxygen Carrier: Determination of Equilibrium Constants for Heme Binding to Host Albumin. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 1998, 26, 519-527.	0.9	9

#	ARTICLE	IF	CITATIONS
127	Preparation and properties of polyaniline doped with poly(thiophenylenesulfonic acid). <i>Macromolecular Chemistry and Physics</i> , 1999, 200, 2597-2601.	2.2	8
128	Establishment of a total liquid ventilation system using saline-based oxygen micro/nano-bubble dispersions in rats. <i>Journal of Artificial Organs</i> , 2015, 18, 220-227.	0.9	8
129	Massive Fabrication of Polymer Microdiscs by Phase Separation and Freestanding Process. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16296-16302.	8.0	8
130	On the injectability of free-standing magnetic nanofilms. <i>Biomedical Microdevices</i> , 2017, 19, 51.	2.8	8
131	Membrane fusogenic lysine type lipid assemblies possess enhanced NLRP3 inflammasome activation potency. <i>Biochemistry and Biophysics Reports</i> , 2019, 18, 100623.	1.3	8
132	Efficient differentiation and polarization of primary cultured neurons on poly(lactic acid) scaffolds with microgrooved structures. <i>Scientific Reports</i> , 2020, 10, 6716.	3.3	8
133	Liposome formation of selectively-polymerized diene-containing phospholipids and their postpolymerization. <i>Journal of Polymer Science Part A</i> , 1990, 28, 717-730.	2.3	7
134	Convenient Method to Purify Hemoglobin. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 1994, 22, 651-656.	0.9	7
135	Oxygen infusions (hemoglobin-vesicles and albumin-hemes) based on nano-molecular sciences. <i>Polymers for Advanced Technologies</i> , 2005, 16, 73-83.	3.2	7
136	A Hydrogen-bonded Supramolecular Hexagonal Columnar Liquid Crystal Composed of a Tricarboxylic Triphenylene and Monopyridyl Dendrons. <i>Chemistry Letters</i> , 2007, 36, 282-283.	1.3	7
137	Pharmacokinetic Study of Adenosine Diphosphate-Encapsulated Liposomes Coated with Fibrinogen \hat{I}^3 -Chain Dodecapeptide as a Synthetic Platelet Substitute in an Anticancer Drug-Induced Thrombocytopenia Rat Model. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 3852-3859.	3.3	7
138	Interfacial effects on the crystallization and surface properties of poly(l-lactic acid) ultrathin films. <i>Polymer Journal</i> , 2016, 48, 157-161.	2.7	7
139	Printed high-frequency RF identification antenna on ultrathin polymer film by simple production process for soft-surface adhesive device. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 05EC01.	1.5	7
140	Elastomer-based MEMS optical interferometric transducers for highly sensitive surface stress sensing for biomolecular detection. <i>MRS Communications</i> , 2019, 9, 381-389.	1.8	7
141	Therapeutic potential of fibrinogen \hat{I}^3 -chain peptide-coated, ADP-encapsulated liposomes as a haemostatic adjuvant for post-cardiopulmonary bypass coagulopathy. <i>Scientific Reports</i> , 2020, 10, 11308.	3.3	7
142	Development of a Non-IgG PD-1/PD-L1 Inhibitor by <i>in Silico</i> Mutagenesis and an In-Cell Protein-Protein Interaction Assay. <i>ACS Chemical Biology</i> , 2021, 16, 316-323.	3.4	7
143	Ion dissociation and conduction of Nafion/modified oligo(oxyethylene) composite films. <i>Polymers for Advanced Technologies</i> , 1991, 2, 295-299.	3.2	6
144	Photoexcitation and Electron Transfer Reactions of Zinc Lipidporphyrins in DMSO. <i>Journal of Porphyrins and Phthalocyanines</i> , 1999, 03, 53-59.	0.8	6

#	ARTICLE	IF	CITATIONS
145	Optomechanical characterization of freestanding stretchable nanosheet based on polystyrene- <i>b</i> -polybutadiene- <i>b</i> -polystyrene copolymer. <i>Applied Physics Express</i> , 2017, 10, 011601.	2.4	6
146	Sinter-free stretchable conductive inks composed of polystyrene-block-polybutadiene-block-polystyrene and silver flakes in tetrahydrofuran. <i>Applied Physics Express</i> , 2019, 12, 075001.	2.4	6
147	A Coupled FEM-SPH Modeling Technique to Investigate the Contractility of Biohybrid Thin Films. <i>Advanced Biology</i> , 2020, 4, e1900306.	3.0	6
148	<i>In Vitro</i> Delivery of Cell Impermeable Phalloxin Using Cationic Liposomes Composed of Lipids Bearing Lysine Headgroup. <i>ACS Applied Bio Materials</i> , 2020, 3, 2048-2057.	4.6	6
149	Ultra-thin, transparent, porous substrates as 3D culture scaffolds for engineering ASC spheroids for high-magnification imaging. <i>Journal of Materials Chemistry B</i> , 2020, 8, 6999-7008.	5.8	6
150	Formation of PPy/Ta ₂ O ₅ /Ta structure by electropolymerization. <i>Polymers for Advanced Technologies</i> , 1992, 3, 395-400.	3.2	5
151	Proton-conduction in poly(alkylenecarbonate)/poly(thiophenylenesulfonic acid) composites. <i>Polymers for Advanced Technologies</i> , 2000, 11, 548-552.	3.2	5
152	Intravenous infusion of Hb- <i>vesicles</i> (artificial oxygen carriers) after repetitive blood exchange with a series of plasma expanders (water-soluble biopolymers) in a rat model. <i>Polymers for Advanced Technologies</i> , 2011, 22, 1216-1222.	3.2	5
153	Novel therapeutic use of polysaccharide nanosheets for arachnoid plasty and enhancement of venous tensile strength in rat microneurosurgery. <i>Journal of Clinical Neuroscience</i> , 2013, 20, 301-305.	1.5	5
154	Patchwork Coating of Fragmented Ultra-Thin Films and Their Biomedical Applications in Burn Therapy and Antithrombotic Coating. <i>Materials</i> , 2015, 8, 7604-7614.	2.9	5
155	Pore Clogging of Colloidal Mesoporous Silica Nanoparticles for Encapsulating Guest Species. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 706-708.	3.2	5
156	Extracellular pH imaging of a plant leaf with a polyelectrolyte multilayered nanosheet. <i>RSC Advances</i> , 2018, 8, 35651-35657.	3.6	5
157	Preparation and characterization of highly elongated polydimethylsiloxane nanosheets. <i>Polymers for Advanced Technologies</i> , 2022, 33, 1180-1189.	3.2	5
158	Functional Evaluation of Hemoglobin- and Lipidheme- <i>vesicles</i> as Red Cell Substitutes. <i>Polymers for Advanced Technologies</i> , 1996, 7, 639-644.	3.2	4
159	Fabrication of free-standing albumin-nanosheets having heterosurfaces. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 89A, 233-241.	4.0	4
160	Effect of Repeated Injections of Adenosine Diphosphate-Encapsulated Liposomes Coated with a Fibrinogen I ³ -Chain Dodecapeptide Developed as a Synthetic Platelet Substitute on Accelerated Blood Clearance in a Healthy and an Anticancer Drug-Induced Thrombocytopenia Rat Model. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 3084-3091.	3.3	4
161	Smart Liposomes for Drug Delivery. , 2018, , 31-47.		4
162	End-Sealing of Peptide Nanotubes by Cationic Amphiphilic Polypeptides and Their Salt-Responsive Accordion-like Opening and Closing Behavior. <i>Biomacromolecules</i> , 2022, 23, 2785-2792.	5.4	4

#	ARTICLE	IF	CITATIONS
163	Effects of the Ph-Controlled Hemoglobin Vesicles by CO ₂ Gas. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 1998, 26, 497-506.	0.9	3
164	Synthesis of porphyrins bearing uracyl groups and their assembly induced by melamine derivatives. <i>Polymers for Advanced Technologies</i> , 2007, 18, 497-501.	3.2	3
165	Deformability and adhesive force of artificial platelets measured by atomic force microscopy. <i>Journal of Biorheology</i> , 2009, 23, 35-40.	0.5	3
166	Synthesis and self-assembling behavior of a porphyrin bearing multiple meso-conjugated barbiturates. <i>Tetrahedron Letters</i> , 2010, 51, 5177-5180.	1.4	3
167	Tubular Network Formation by Mixing Amphiphilic Polypeptides with Differing Hydrophilic Blocks. <i>Biomacromolecules</i> , 2019, 20, 3908-3914.	5.4	3
168	Amino acid-based liposomal assemblies: Intracellular plasmid DNA delivery nanoparticles. <i>Journal of Nanomedicine</i> , 2018, 1, .	0.3	3
169	H12â€(ADP)â€liposomes for hemorrhagic shock in thrombocytopenia: Mesenteric artery injury model in rabbits. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2022, 6, e12659.	2.3	3
170	Diospyros malabarica Fruit Extract Derived Silver Nanoparticles: A Biocompatible Antibacterial Agent. <i>Frontiers in Nanotechnology</i> , 2022, 4, .	4.8	3
171	A lithium secondary battery using a thin film of polymer electrolyte as a separator. <i>Polymers for Advanced Technologies</i> , 1992, 3, 433-436.	3.2	2
172	Oxidation of a PPy-modified tantalum electrode. <i>Polymers for Advanced Technologies</i> , 1993, 4, 329-334.	3.2	2
173	Oxygen-binding property of hemoglobin films. <i>Polymers for Advanced Technologies</i> , 1994, 5, 385-389.	3.2	2
174	Oxygen Releasing from Cellular Hemoglobin. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 1998, 26, 507-517.	0.9	2
175	Ability of fibrinogen Î³ ³ -derived dodecapeptides with different sequences to bind to rat platelets. <i>International Journal of Pharmaceutics</i> , 2012, 438, 296-301.	5.2	2
176	Synthesis of Phosphorylcholine-Containing Polyimides and the Fabrication of Biocompatible Nanosheets Thereof. <i>Kobunshi Ronbunshu</i> , 2016, 73, 76-86.	0.2	2
177	Focal calcium monitoring with targeted nanosensors at the cytosolic side of endoplasmic reticulum. <i>Science and Technology of Advanced Materials</i> , 2016, 17, 293-299.	6.1	2
178	MEMS optical interferometry-based pressure sensor using elastomer nanosheet developed by dry transfer technique. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 010302.	1.5	2
179	An Assay to Evaluate the Function of Liposomal Platelet Substitutes Delivered to Platelet Aggregates. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 77.	4.1	2
180	Electrocardiogram measurements in water using poly(3,4-ethylene dioxythiophene):poly(styrene) Tj ETQq0 0 0 rgBTj. (Overlock) 10 Tf 50	1.8	2

#	ARTICLE	IF	CITATIONS
181	Total alveolar lavage with oxygen fine bubble dispersion directly improves lipopolysaccharide-induced acute respiratory distress syndrome of rats. <i>Scientific Reports</i> , 2020, 10, 16597.	3.3	2
182	Ultra-Thin Porous PDLA Films Promote Generation, Maintenance, and Viability of Stem Cell Spheroids. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 674384.	4.1	2
183	Flexible Film-Type Sensor for Electrochemical Measurement of Dopamine Using a Molecular Imprinting Method. <i>Frontiers in Sensors</i> , 2021, 2, .	3.3	2
184	Development of quantitative and concise measurement method of oxygen in fine bubble dispersion. <i>PLoS ONE</i> , 2022, 17, e0264083.	2.5	2
185	Angiogenic efficacy of <sc>ASC</sc> spheroids filtrated on porous nanosheets for the treatment of a diabetic skin ulcer. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 1245-1254.	3.4	2
186	Study on the Phase Transition Behavior of Polymerized Liposomes through the Interaction of Diene-Groups in Their Acyl Chains. <i>Polymer Journal</i> , 1989, 21, 641-648.	2.7	1
187	In situ Formation of PPy/Ta ₂ O ₅ /Ta Structure by Electro-Polymerization and its Electrical Properties. <i>Molecular Crystals and Liquid Crystals</i> , 1993, 227, 219-229.	0.3	1
188	O ₂ Binding and Dissociation and Ligand Exchange Reaction of O ₂ with CO in Polymer Composite Films of Hemoglobin. <i>Polymers for Advanced Technologies</i> , 1997, 8, 366-370.	3.2	1
189	Enzymatic Elimination of Hydrogen Peroxide by a Methemoglobin/L-Tyrosine System. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2007, 35, 555-567.	0.9	1
190	Motion of polymerized albumin particles in a model arteriole in the presence of red blood cells. <i>Journal of Biorheology</i> , 2009, 23, 29-34.	0.5	1
191	Pharmacokinetic Properties of Single and Repeated Injection of Liposomal Platelet Substitute in a Rat Model of Red Blood Cell Transfusion-Induced Dilutional Thrombocytopenia. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 3968-3976.	3.3	1
192	Fabrication and evaluation of freestanding stretchable nanosheet for optical MEMS application. , 2016, , .		1
193	An elastomer-based MEMS fabry-perot interferometer for physical and biological sensing by dry transfer technique. , 2017, , .		1
194	Organic Electronics: Ultrathin and Stretchable Rechargeable Devices with Organic Polymer Nanosheets Conformable to Skin Surface (Small 13/2019). <i>Small</i> , 2019, 15, 1970067.	10.0	1
195	Arginine-based cationic liposomes accelerate T cell activation and differentiation in vitro. <i>International Journal of Pharmaceutics</i> , 2022, 623, 121917.	5.2	1
196	Oxygen-Transport and Solution Properties of Poly lipid/HB Vesicles (ARC). <i>Biomaterials, Artificial Cells, and Immobilization Biotechnology: Official Journal of the International Society for Artificial Cells and Immobilization Biotechnology</i> , 1992, 20, 399-404.	0.2	0
197	Drift and fluctuating motion of artificial platelets during the lateral transport and adhesion process near the wall. <i>Journal of Biorheology</i> , 2013, 26, 11-20.	0.5	0
198	Plasmonic Color Sheet with Al Nano Periodic Structure Formed by Transfer Technique. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
199	Hemostatic Effects of Fibrinogen- $\hat{1}^3$ Chain Dodecapeptide-Conjugated Polymerized Albumin Particles In Vitro and in Vivo.. Blood, 2004, 104, 3883-3883.	1.4	0
200	Fabrication of Thermo-responsive Cell Culture Membrane with Microstructure Using Electron Beam Induced Graft Polymerization Method. Radioisotopes, 2020, 69, 129-134.	0.2	0