

# Kazuhiko Ishihara

## List of PR Articles by Year in descending order

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514

PR articles

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6664

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citing authors

| #  | ARTICLE   | IF  | PR CITATIONS |
|----|---|-----|--------------|
| 1  | Stable and Thin-Polymer-Based Modification of Neurovascular Stents with 2-Methacryloyloxyethyl Phosphorylcholine Polymer for Antithrombogenicity. <i>Bioengineering</i> , 2024, 11, 833.  | 3.3 | 5            |
| 2  | Preparation of Water-Soluble Polyion Complex (PIC) Micelles with Random Copolymers Containing Pendant Quaternary Ammonium and Sulfonate Groups. <i>Langmuir</i> , 2023, 39, 8120-8129.  | 3.6 | 6            |
| 3  | Biomimetic-Engineered Silicone Hydrogel Contact Lens Materials. <i>ACS Applied Bio Materials</i> , 2023, 6, 3600-3616.  | 4.8 | 61           |
| 4  | Effect of liposome surface modification with water-soluble phospholipid polymer chain-conjugated lipids on interaction with human plasma proteins. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2512-2522.                         | 5.6 | 17           |
| 5  | Efficacy of hydrated phospholipid polymer interfaces between all- $\epsilon$ polymer bearings for total hip arthroplasty. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 89-102.              | 3.5 | 3            |
| 6  | pH-Responsive Association Behavior of Biocompatible Random Copolymers Containing Pendent Phosphorylcholine and Fatty Acid. <i>Langmuir</i> , 2022, 38, 5119-5127.   | 3.6 | 9            |
| 7  | Induction of mesenchymal stem cell differentiation by co-culturing with mature cells in double-layered 2-methacryloyloxyethyl phosphorylcholine polymer hydrogel matrices. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2561-2569. | 5.6 | 6            |
| 8  | Preparation of a thermo-responsive drug carrier consisting of a biocompatible triblock copolymer and fullerene. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2551-2560.  | 5.6 | 7            |
| 9  | Separated Micelles Formation of pH-Responsive Random and Block Copolymers Containing Phosphorylcholine Groups. <i>Polymers</i> , 2022, 14, 577.   | 4.6 | 8            |
| 10 | Photoinduced immobilization of 2-methacryloyloxyethyl phosphorylcholine polymers with different molecular architectures on a poly(ether ether ketone) surface. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2699-2707.             | 5.6 | 7            |
| 11 | Dopamine Assisted Self-Cleaning, Antifouling, and Antibacterial Coating <i>via</i> Dynamic Covalent Interactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 9557-9569.  | 8.0 | 78           |
| 12 | Transepithelial delivery of insulin conjugated with phospholipid-mimicking polymers via biomembrane fusion-mediated transcellular pathways. <i>Acta Biomaterialia</i> , 2022, 140, 674-685.   | 9.4 | 9            |
| 13 | Cell-membrane-inspired polymers for constructing biointerfaces with efficient molecular recognition. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3397-3419.   | 5.6 | 13           |
| 14 | Preparation of Biocompatible Poly(2-(methacryloyloxy)ethyl phosphorylcholine) Hollow Particles Using Silica Particles as a Template. <i>Langmuir</i> , 2022, 38, 5812-5819.   | 3.6 | 8            |
| 15 | Formation of Water-Soluble Complexes from Fullerene with Biocompatible Block Copolymers Bearing Pendant Glucose and Phosphorylcholine. <i>Langmuir</i> , 2022, 38, 5744-5751.   | 3.6 | 6            |
| 16 | Biomimetic materials based on zwitterionic polymers toward human-friendly medical devices. <i>Science and Technology of Advanced Materials</i> , 2022, 23, 498-524.   | 6.2 | 58           |
| 17 | Bioinspired antifouling and antibacterial polymer coating with intrinsic self-healing property. <i>Biomaterials Science</i> , 2022, 11, 128-139.  | 5.7 | 30           |
| 18 | Impact of spontaneous liposome modification with phospholipid polymer-lipid conjugates on protein interactions. <i>Science and Technology of Advanced Materials</i> , 2022, 23, 845-857.  | 6.2 | 10           |

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|----|---|------|--------------|
| 19 | Effects of molecular architecture of photoreactive phospholipid polymer on adsorption and reaction on substrate surface under aqueous condition. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021, 32, 419-437.                                 | 3.4  | 6            |
| 20 | Biomimetic phospholipid polymers for suppressing adsorption of saliva proteins on dental hydroxyapatite substrate. <i>Journal of Applied Polymer Science</i> , 2021, 138, .   | 2.7  | 10           |
| 21 | Thermo-Responsive Behavior of Mixed Aqueous Solution of Hydrophilic Polymer with Pendant Phosphorylcholine Group and Poly(Acrylic Acid). <i>Polymers</i> , 2021, 13, 148.   | 4.6  | 9            |
| 22 | Cell Surface Functionalization with Heparin- $\epsilon$ -Conjugated Lipid to Suppress Blood Activation. <i>Advanced Functional Materials</i> , 2021, 31, .  | 17.0 | 8            |
| 23 | Zwitterionized Nanofibrous Poly(vinylidene fluoride) Membranes for Improving the Healing of Diabetic Wounds. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 562-576.  | 5.4  | 19           |
| 24 | Antifouling Silicone Hydrogel Contact Lenses with a Bioinspired 2-Methacryloyloxyethyl Phosphorylcholine Polymer Surface. <i>ACS Omega</i> , 2021, 6, 7058-7067.  | 4.3  | 56           |
| 25 | Adhesion of Flk1-expressing cells under shear flow in phospholipid polymer-coated immunoaffinity channels. <i>Journal of Micromechanics and Microengineering</i> , 2021, 31, 045012.  | 1.9  | 6            |
| 26 | Direct photoreactive immobilization of water-soluble phospholipid polymers on substrates in an aqueous environment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 199, 111507.  | 5.4  | 7            |
| 27 | Effects of Initially Adsorbed Proteins on Substrate Surfaces during Multilayer Heterogeneous Protein Adsorption. <i>Langmuir</i> , 2021, 37, 3897-3902.   | 3.6  | 10           |
| 28 | Surface characterization of a silicone hydrogel contact lens having bioinspired 2-methacryloyloxyethyl phosphorylcholine polymer layer in hydrated state. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 199, 111539.                                  | 5.4  | 47           |
| 29 | Water-soluble polymer micelles formed from amphiphilic diblock copolymers bearing pendant phosphorylcholine and methoxyethyl groups. <i>Polymer Journal</i> , 2021, 53, 805-814.  | 2.5  | 8            |
| 30 | Exogenous Cell Surface Modification with Cell Penetrating Peptide-Conjugated Lipids Causes Spontaneous Cell Adhesion. <i>ACS Applied Bio Materials</i> , 2021, 4, 4598-4606.  | 4.8  | 11           |
| 31 | Facile preparation of water-soluble multiwalled carbon nanotubes bearing phosphorylcholine groups for heat generation under near-infrared irradiation. <i>Polymer Journal</i> , 2021, 53, 1001-1009.  | 2.5  | 3            |
| 32 | Anticancer Activity of Cell-Penetrating Redox Phospholipid Polymers. <i>ACS Macro Letters</i> , 2021, 10, 926-932.  | 5.0  | 12           |
| 33 | Induction of Spontaneous Liposome Adsorption by Exogenous Surface Modification with Cell-Penetrating Peptide-Conjugated Lipids. <i>Langmuir</i> , 2021, 37, 9711-9723.  | 3.6  | 11           |
| 34 | Chemical Structural Effects of Amphipathic and Water-soluble Phospholipid Polymers on Formulation of Solid Dispersions. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 2966-2973.   | 3.2  | 5            |
| 35 | Stabilization of Lipid Lamellar Bilayer Structure of Stratum Corneum Modulated by Poly (2-methacryloyloxyethyl phosphorylcholine) in Relation to Skin Hydration and Skin Protection. <i>Tissue Engineering and Regenerative Medicine</i> , 2021, 18, 953-962. | 3.8  | 3            |
| 36 | Impact of REDV peptide density and its linker structure on the capture, movement, and adhesion of flowing endothelial progenitor cells in microfluidic devices. <i>Materials Science and Engineering C</i> , 2021, 129, 112381.                               | 5.8  | 16           |

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|----|---|------|--------------|
| 37 | Control of Cell-Substrate Binding Related to Cell Proliferation Cycle Status Using a Cytocompatible Phospholipid Polymer Bearing Phenylboronic Acid Groups. <i>Macromolecular Bioscience</i> , 2021, 21, 2000341.                 | 4.0  | 5            |
| 38 | Synthesis of poly(2-methacryloyloxyethyl phosphorylcholine)-conjugated lipids and their characterization and surface properties of modified liposomes for protein interactions. <i>Biomaterials Science</i> , 2021, 9, 5854-5867. | 5.7  | 28           |
| 39 | Preparation of Magnetic Hydrogel Microparticles with Cationic Surfaces and Their Cell-Assembling Performance. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 5107-5117.   | 5.4  | 4            |
| 40 | Intravenous Administration of Dehydroxymethylepoxyquinomicin With Polymer Enhances the Inhibition of Pancreatic Carcinoma Growth in Mice. <i>Anticancer Research</i> , 2021, 41, 6003-6012.                                       | 1.2  | 4            |
| 41 | Nanoscaled Morphology and Mechanical Properties of a Biomimetic Polymer Surface on a Silicone Hydrogel Contact Lens. <i>Langmuir</i> , 2021, 37, 13961-13967.   | 3.6  | 23           |
| 42 | Bio-inspired immobilization of low-fouling phospholipid polymers via a simple dipping process: a comparative study of phenol, catechol and gallol as tethering groups. <i>Polymer Chemistry</i> , 2020, 11, 249-253.              | 3.9  | 23           |
| 43 | Spontaneously and reversibly forming phospholipid polymer hydrogels as a matrix for cell engineering. <i>Biomaterials</i> , 2020, 230, 119628.  | 12.3 | 36           |
| 44 | Formation of stable polydopamine layer on polytetrafluoroethylene substrate by hybrid process involved plasma treatment and spontaneous chemical reactions. <i>Materials Today Communications</i> , 2020, 22, 100774.             | 2.3  | 5            |
| 45 | Singlet oxygen generation by sonication using a water-soluble fullerene (C60) complex: a potential application for sonodynamic therapy. <i>Polymer Journal</i> , 2020, 52, 1387-1394.   | 2.5  | 11           |
| 46 | Redox-Active Polymers Connecting Living Microbial Cells to an Extracellular Electrical Circuit. <i>Small</i> , 2020, 16, .  | 11.6 | 27           |
| 47 | 2-Methacryloyloxyethyl Phosphorylcholine Polymer Coating Inhibits Bacterial Adhesion and Biofilm Formation on a Suture: An In Vitro and In Vivo Study. <i>BioMed Research International</i> , 2020, 2020, 1-8.                    | 2.5  | 24           |
| 48 | Synthesis of Amphiphilic Statistical Copolymers Bearing Methoxyethyl and Phosphorylcholine Groups and Their Self-Association Behavior in Water. <i>Polymers</i> , 2020, 12, 1808.   | 4.6  | 9            |
| 49 | Water-Soluble and Cytocompatible Phospholipid Polymers for Molecular Complexation to Enhance Biomolecule Transportation to Cells In Vitro. <i>Polymers</i> , 2020, 12, 1762.  | 4.6  | 6            |
| 50 | Identification of Metal-Binding Peptides and Their Conjugation onto Nanoparticles of Superparamagnetic Iron Oxides and Liposomes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 24623-24634.                          | 8.0  | 8            |
| 51 | Phospholipid Polymer Hydrogel Matrices with Dually Immobilized Cytokines for Accelerating Secretion of the Extracellular Matrix by Encapsulated Cells. <i>Macromolecular Bioscience</i> , 2020, 20, 2000114.                      | 4.0  | 4            |
| 52 | Antibacterial effect of nanometer-size grafted layer of quaternary ammonium polymer on poly(ether) Tj ETQq0 0 0 rgBT /Overlock 10 T   | 2.7  | 13           |
| 53 | Effects of molecular interactions at various polymer brush surfaces on fibronectin adsorption induced cell adhesion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111205.   | 5.4  | 29           |
| 54 | Polymeric Nanocarriers with Controlled Chain Flexibility Boost mRNA Delivery In Vivo through Enhanced Structural Fastening. <i>Advanced Healthcare Materials</i> , 2020, 9, .   | 8.8  | 44           |

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|----|--|------|--------------|
| 55 | Effects of inner polarity and viscosity of amphiphilic phospholipid polymer aggregates on the solubility enhancement of poorly water-soluble drugs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 195, 111215. | 5.4  | 12           |
| 56 | Photoinduced self-initiated graft polymerization of methacrylate monomers on poly(ether ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 731-741.   | 2.5  | 10           |
| 57 | Combination of two antithrombogenic methodologies for preventing thrombus formation on a poly(ether ether ketone) substrate. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 192, 111021.                        | 5.4  | 6            |
| 58 | Promotion of cell membrane fusion by cell-cell attachment through cell surface modification with functional peptide-PEG-lipids. <i>Biomaterials</i> , 2020, 253, 120113.   | 12.3 | 38           |
| 59 | Interface of Phospholipid Polymer Grafting Layers to Analyze Functions of Immobilized Oligopeptides Involved in Cell Adhesion. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 3984-3993.                   | 5.4  | 5            |
| 60 | Photoinduced Surface Zwitterionization for Antifouling of Porous Polymer Substrates. <i>Langmuir</i> , 2019, 35, 1312-1319.  | 3.6  | 18           |
| 61 | Hydrated Phospholipid Polymer Gel-Like Layer for Increased Durability of Orthopedic Bearing Surfaces. <i>Langmuir</i> , 2019, 35, 1954-1963.   | 3.6  | 9            |
| 62 | pH-Responsive Polyion Complex Vesicle with Polyphosphobetaine Shells. <i>Langmuir</i> , 2019, 35, 1249-1256.   | 3.6  | 22           |
| 63 | Blood-Compatible Surfaces with Phosphorylcholine-Based Polymers for Cardiovascular Medical Devices. <i>Langmuir</i> , 2019, 35, 1778-1787.   | 3.6  | 164          |
| 64 | Polyelectrolyte and Antipolyelectrolyte Effects for Dual Salt-Responsive Interpenetrating Network Hydrogels. <i>Biomacromolecules</i> , 2019, 20, 3524-3534.   | 5.2  | 63           |
| 65 | In situ surface modification on dental composite resin using 2-methacryloyloxyethyl phosphorylcholine polymer for controlling plaque formation. <i>Materials Science and Engineering C</i> , 2019, 104, 109916.        | 5.8  | 22           |
| 66 | Cell-Membrane Permeable Redox Phospholipid Polymers Induce Apoptosis in MDA-MB-231 Human Breast Cancer Cells. <i>Biomacromolecules</i> , 2019, 20, 4447-4456.  | 5.2  | 11           |
| 67 | Interpolymer association of amphiphilic diblock copolymers bearing pendant siloxane and phosphorylcholine groups. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1500-1507.                                      | 2.3  | 4            |
| 68 | Synthesis and Properties of Upper Critical Solution Temperature Responsive Nanogels. <i>Langmuir</i> , 2019, 35, 7261-7267.  | 3.6  | 16           |
| 69 | Translocation Mechanisms of Cell-Penetrating Polymers Identified by Induced Proton Dynamics. <i>Langmuir</i> , 2019, 35, 8167-8173.  | 3.6  | 35           |
| 70 | Self-Association Behavior of Cell Membrane-Inspired Amphiphilic Random Copolymers in Water. <i>Polymers</i> , 2019, 11, 327.   | 4.6  | 15           |
| 71 | Hybridization of a phospholipid polymer hydrogel with a natural extracellular matrix using active cell immobilization. <i>Biomaterials Science</i> , 2019, 7, 2793-2802.   | 5.7  | 9            |
| 72 | Toward Antibiofouling PVDF Membranes. <i>Langmuir</i> , 2019, 35, 6782-6792.   | 3.6  | 17           |

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|----|---|-----|--------------|
| 73 | Modification of human MSC surface with oligopeptide-PEG-lipids for selective binding to activated endothelium. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 1779-1792.   | 4.3 | 20           |
| 74 | Determination of association constants between water-soluble phospholipid polymer bearing phenylboronic acid group and polyol compounds for reversible formation of three-dimensional networks. <i>Reactive and Functional Polymers</i> , 2019, 135, 113-120. | 4.8 | 9            |
| 75 | Exothermic Behavior of Cyanine Dye-Containing Polymer Micelle Irradiated by Near Infrared (NIR) in Water. <i>Kobunshi Ronbunshu</i> , 2019, 76, 52-60.  | 0.0 | 0            |
| 76 | Validation of an MPC Polymer Coating to Attenuate Surface-Induced Crosstalk between the Complement and Coagulation Systems in Whole Blood in In Vitro and In Vivo Models. <i>Macromolecular Bioscience</i> , 2019, 19, .                                      | 4.0 | 37           |
| 77 | Effects of a roughened femoral head and the locus of grafting on the wear resistance of the phospholipid polymer-grafted acetabular liner. <i>Acta Biomaterialia</i> , 2019, 86, 338-349.   | 9.4 | 3            |
| 78 | Rapid Mussel-Inspired Surface Zwitteration for Enhanced Antifouling and Antibacterial Properties. <i>Langmuir</i> , 2019, 35, 1621-1630.  | 3.6 | 80           |
| 79 | Multi-layered PLLA-nanosheets loaded with FGF-2 induce robust bone regeneration with controlled release in critical-sized mouse femoral defects. <i>Acta Biomaterialia</i> , 2019, 85, 172-179.   | 9.4 | 57           |
| 80 | Surface functionalization of polytetrafluoroethylene substrate with hybrid processes comprising plasma treatment and chemical reactions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 77-84.  | 5.4 | 46           |
| 81 | Polymer coating glass to improve the protein antifouling effect. <i>Polymer Journal</i> , 2018, 50, 381-388.  | 2.5 | 15           |
| 82 | Reliable surface modification of dental plastic substrates to reduce biofouling with a photoreactive phospholipid polymer. <i>Journal of Applied Polymer Science</i> , 2018, 135, .   | 2.7 | 7            |
| 83 | Initial Cell Adhesion onto a Phospholipid Polymer Brush Surface Modified with a Terminal Cell Adhesion Peptide. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 15250-15257.  | 8.0 | 29           |
| 84 | Spontaneous Hydrogel Formation Through Hydrophobic Interactions in an ABA-type Block Copolymer Composed of Poly(2-methacryloyloxyethyl phosphorylcholine) and Poly(n-butyl methacrylate) Segments. <i>MRS Advances</i> , 2018, 3, 1691-1696.                  | 0.9 | 2            |
| 85 | A phospholipid polymer graft layer affords high resistance for wear and oxidation under load bearing conditions. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 79, 203-212.   | 3.4 | 9            |
| 86 | Inhibition of denture plaque deposition on complete dentures by 2-methacryloyloxyethyl phosphorylcholine polymer coating: A clinical study. <i>Journal of Prosthetic Dentistry</i> , 2018, 119, 67-74.  | 3.1 | 31           |
| 87 | Water-soluble and amphiphilic phospholipid copolymers having 2-methacryloyloxyethyl phosphorylcholine units for the solubilization of bioactive compounds. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 844-862.                       | 3.4 | 32           |
| 88 | Heteromorphic Polymer Nanoparticles in Response to Rotational Magnetic Fields for Stirring inside Living Cells. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 381, 012040.  | 0.5 | 0            |
| 89 | Synthesis of Highly Biocompatible and Temperature-Responsive Physical Gels for Cryopreservation and 3D Cell Culture. <i>ACS Applied Bio Materials</i> , 2018, 1, 356-366.   | 4.8 | 36           |
| 90 | Bioinspired Self-Healing Hydrogel Based on Benzoxaborole-Catechol Dynamic Covalent Chemistry for 3D Cell Encapsulation. <i>ACS Macro Letters</i> , 2018, 7, 904-908.  | 5.0 | 187          |

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|-----|--|------|--------------|
| 91  | A surface graft polymerization process on chemically stable medical ePTFE for suppressing platelet adhesion and activation. <i>Biomaterials Science</i> , 2018, 6, 1908-1915.  | 5.7  | 36           |
| 92  | Label-Free Separation of Induced Pluripotent Stem Cells with Anti-SSEA-1 Antibody Immobilized Microfluidic Channel. <i>Langmuir</i> , 2017, 33, 1576-1582.   | 3.6  | 23           |
| 93  | The unique hydration state of poly(2-methacryloyloxyethyl phosphorylcholine). <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 884-899.   | 3.4  | 131          |
| 94  | Complexes Covered with Phosphorylcholine Groups Prepared by Mixing Anionic Diblock Copolymers and Cationic Surfactants. <i>Langmuir</i> , 2017, 33, 5236-5244.   | 3.6  | 7            |
| 95  | Water-soluble complex formation of fullerene and thermo-responsive diblock copolymer. <i>Journal of Polymer Science Part A</i> , 2017, 55, 2432-2439.  | 2.3  | 3            |
| 96  | Preparation of Giant Polyion Complex Vesicles (G-PICsomes) with Polyphosphobetaine Shells Composed of Oppositely Charged Diblock Copolymers. <i>Chemistry Letters</i> , 2017, 46, 824-827.   | 1.1  | 9            |
| 97  | Near-Infrared Photoluminescent Carbon Nanotubes for Imaging of Brown Fat. <i>Scientific Reports</i> , 2017, 7, .   | 3.5  | 83           |
| 98  | Simultaneous patterning of proteins and cells through bioconjugation with photoreactable phospholipid polymers. <i>RSC Advances</i> , 2017, 7, 40669-40672.  | 4.4  | 1            |
| 99  | Molecular integration on phospholipid polymer-coated magnetic beads for gene expression analysis in cells. <i>Reactive and Functional Polymers</i> , 2017, 119, 125-133.   | 4.8  | 6            |
| 100 | Introduction of functional groups to reactive ABA block-copolymers composed of poly(2-methacryloyloxyethyl phosphorylcholine) and poly(glycidyl methacrylate) for spontaneous hydrogel formation. <i>Polymer</i> , 2017, 123, 100-106.   | 4.2  | 3            |
| 101 | Effects of Material Thickness and Surface Modification of Cross-linked Polyethylene with Poly(2-Methacryloyloxyethyl Phosphorylcholine) on Its Deformation Behavior, Wear Resistance, and Durability Under Repetitive Impact-to-sliding Motion. <i>Biotribology</i> , 2017, 10, 35-41. | 1.4  | 1            |
| 102 | Solubilization of poorly water-soluble compounds using amphiphilic phospholipid polymers with different molecular architectures. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 249-256.   | 5.4  | 25           |
| 103 | Sandwich-type PLLA-nanosheets loaded with BMP-2 induce bone regeneration in critical-sized mouse calvarial defects. <i>Acta Biomaterialia</i> , 2017, 59, 12-20.   | 9.4  | 35           |
| 104 | Reduced Blood Cell Adhesion on Polypropylene Substrates through a Simple Surface Zwitterionization. <i>Langmuir</i> , 2017, 33, 611-621.   | 3.6  | 53           |
| 105 | A hydrated phospholipid polymer-grafted layer prevents lipid-related oxidative degradation of cross-linked polyethylene. <i>Biomaterials</i> , 2017, 112, 122-132.   | 12.3 | 17           |
| 106 | Clinical safety and wear resistance of the phospholipid polymer-grafted highly cross-linked polyethylene liner. <i>Journal of Orthopaedic Research</i> , 2017, 35, 2007-2016.  | 2.5  | 30           |
| 107 | Polyion Complex Vesicles with Solvated Phosphobetaine Shells Formed from Oppositely Charged Diblock Copolymers. <i>Polymers</i> , 2017, 9, 49.   | 4.6  | 24           |
| 108 | The Noninvasive Treatment for Sentinel Lymph Node Metastasis by Photodynamic Therapy Using Phospholipid Polymer as a Nanotransporter of Verteporfin. <i>BioMed Research International</i> , 2017, 2017, 1-7.   | 2.5  | 9            |

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|-----|---|------|--------------|
| 109 | A Polymethyl Methacrylate-Based Acrylic Dental Resin Surface Bound with a Photoreactive Polymer Inhibits Accumulation of Bacterial Plaque. <i>International Journal of Prosthodontics</i> , 2017, 30, 533-540.  | 1.3  | 9            |
| 110 | ATP-mediated Release of a DNA-binding Protein from a Silicon Nanoneedle Array. <i>Electrochemistry</i> , 2016, 84, 305-307.   | 1.3  | 6            |
| 111 | Formation of Polyion Complex (PIC) Micelles and Vesicles with Anionic pH-Responsive Unimer Micelles and Cationic Diblock Copolymers in Water. <i>Langmuir</i> , 2016, 32, 3945-3953.  | 3.6  | 31           |
| 112 | Preventive effects of a phospholipid polymer coating on PMMA on biofilm formation by oral streptococci. <i>Applied Surface Science</i> , 2016, 390, 602-607.  | 6.7  | 17           |
| 113 | Precise control of surface electrostatic forces on polymer brush layers with opposite charges for resistance to protein adsorption. <i>Biomaterials</i> , 2016, 105, 102-108.   | 12.3 | 31           |
| 114 | Effects of extra irradiation on surface and bulk properties of PMPC-grafted cross-linked polyethylene. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 37-47.   | 4.3  | 5            |
| 115 | Diffusion-Induced Hydrophilic Conversion of Polydimethylsiloxane/Block-Type Phospholipid Polymer Hybrid Substrate for Temporal Cell-Adhesive Surface. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 21839-21846.   | 8.0  | 5            |
| 116 | Temperature-Responsive Diblock Copolymers Bearing Biocompatible Pendant Phosphorylcholine Groups. <i>Kobunshi Ronbunshu</i> , 2016, 73, 192-197.  | 0.0  | 2            |
| 117 | Photoreactive Initiator for Surface-Initiated ATRP on Versatile Polymeric Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 24994-24998.   | 8.0  | 37           |
| 118 | Movement of a Quantum Dot Covered with Cytocompatible and pH-Responsive Phospholipid Polymer Chains under a Cellular Environment. <i>Biomacromolecules</i> , 2016, 17, 3986-3994.   | 5.2  | 10           |
| 119 | Cytocompatible Magnetic Nanoparticles with Cell-internalizing Properties for Quantification of the Intracellular Environment. <i>Transactions of the Materials Research Society of Japan</i> , 2016, 41, 113-116.   | 0.3  | 1            |
| 120 | Direct Interaction Force and Adsorption Behavior of Fibrinogen on Well-Characterized Polymer Brush Surfaces. <i>Transactions of the Materials Research Society of Japan</i> , 2016, 41, 51-54.  | 0.3  | 2            |
| 121 | 2-Methacryloyloxyethyl Phosphorylcholine Polymer Treatment of Complete Dentures to Inhibit Denture Plaque Deposition. <i>Journal of Visualized Experiments</i> , 2016, . .  | 0.3  | 3            |
| 122 | Water-soluble complex formation of fullerenes with a biocompatible polymer. <i>Polymer Journal</i> , 2016, 48, 999-1005.  | 2.5  | 13           |
| 123 | High-efficiency preparation of poly(2-methacryloyloxyethyl phosphorylcholine) grafting layer on poly(ether ether ketone) by photoinduced and self-initiated graft polymerization in an aqueous solution in the presence of inorganic salt additives. <i>Acta Biomaterialia</i> , 2016, 40, 38-45. | 9.4  | 25           |
| 124 | Photoinduced inhibition of DNA unwinding in vitro with water-soluble polymers containing both phosphorylcholine and photoreactive groups. <i>Acta Biomaterialia</i> , 2016, 40, 226-234.  | 9.4  | 14           |
| 125 | Focus on nanomedicine molecular science. <i>Science and Technology of Advanced Materials</i> , 2016, 17, 244-244.   | 6.2  | 0            |
| 126 | Preparation of a thick polymer brush layer composed of poly(2-methacryloyloxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (phospholipid) for adsorption resistance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 507-512.  | 5.4  | 55           |

| #   | ARTICLE  | IF  | PR CITATIONS |
|-----|--|-----|--------------|
| 127 | Critical update on 2- $\epsilon$ -methacryloyloxyethyl phosphorylcholine (MPC) polymer science. Journal of Applied Polymer Science, 2015, 132, .   | 2.7 | 123          |
| 128 | Bioinspired Phospholipid Polymer Hydrogel System for Cellular Engineering. Macromolecular Symposia, 2015, 351, 69-77.  | 0.8 | 2            |
| 129 | Reactive ABA-type Triblock Phospholipid Copolymer by ATRP and Its Chemical Functionalizations. Macromolecular Symposia, 2015, 354, 104-110.  | 0.8 | 1            |
| 130 | Phospholipid Polymer Multilayered Hydrogels Containing Cells for Cancer Drug Screening. Transactions of the Materials Research Society of Japan, 2015, 40, 59-63.  | 0.3 | 0            |
| 131 | Redox-active cyto-compatible phospholipid polymer hydrogels for three-dimensional electrical control of encapsulated living cells. Transactions of the Materials Research Society of Japan, 2015, 40, 119-122.   | 0.3 | 1            |
| 132 | Well-structured Graft-type Phospholipid Polymer for Modified Polyurethane Vascular Prosthesis. Transactions of the Materials Research Society of Japan, 2015, 40, 137-140.   | 0.3 | 2            |
| 133 | DNA structures under molecular crowding conditions with a phosphorylcholine derivative (MPC). Transactions of the Materials Research Society of Japan, 2015, 40, 99-102.   | 0.3 | 3            |
| 134 | Surface Modification on Poly(ether ether ketone) with Phospholipid Polymer via Photoinduced Self-initiated Grafting. Macromolecular Symposia, 2015, 354, 230-236.  | 0.8 | 10           |
| 135 | Animal Experiments of the Helical Flow Total Artificial Heart. Artificial Organs, 2015, 39, 670-680.   | 1.8 | 12           |
| 136 | Effects of Surface Modification and Bulk Geometry on the Biotribological Behavior of Cross-Linked Polyethylene: Wear Testing and Finite Element Analysis. BioMed Research International, 2015, 2015, 1-10.   | 2.5 | 4            |
| 137 | Clinical and radiographic outcomes of total hip replacement with poly(2-methacryloyloxyethyl) methacrylate (PMMA) prospective consecutive series. Modern Rheumatology, 2015, 25, 286-291.  | 2.0 | 29           |
| 138 | Safety, reliability, and operability of cochlear implant electrode arrays coated with biocompatible polymer. Acta Oto-Laryngologica, 2015, 135, 320-327.   | 0.9 | 13           |
| 139 | Poly(dimethylsiloxane) (PDMS) surface patterning by biocompatible photo-crosslinking block copolymers. RSC Advances, 2015, 5, 46686-46693.   | 4.4 | 14           |
| 140 | Wear resistance of the biocompatible phospholipid polymer-grafted highly cross-linked polyethylene liner against larger femoral head. Journal of Orthopaedic Research, 2015, 33, 1103-1110.  | 2.5 | 23           |
| 141 | Fabrication of a live cell-containing multilayered polymer hydrogel membrane with micrometer-scale thickness to evaluate pharmaceutical activity. Journal of Biomaterials Science, Polymer Edition, 2015, 26, 1372-1385.                                   | 3.4 | 14           |
| 142 | Influences of dehydration and rehydration on the lubrication properties of phospholipid polymer-grafted cross-linked polyethylene. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2015, 229, 506-514. | 1.5 | 13           |
| 143 | Initial Cell Adhesion on Well-Defined Surface by Polymer Brush Layers with Varying Chemical Structures. ACS Biomaterials Science and Engineering, 2015, 1, 103-109.  | 5.4 | 48           |
| 144 | Hollow Fiber Membrane Modification with Functional Zwitterionic Macromolecules for Improved Thromboresistance in Artificial Lungs. Langmuir, 2015, 31, 2463-2471.  | 3.6 | 46           |

| #   | ARTICLE   | IF   | PR CITATIONS |
|-----|---|------|--------------|
| 145 | Photoinduced atom transfer radical polymerization in a polar solvent to synthesize a water-soluble poly(2-methacryloyloxyethyl phosphorylcholine) and its block-type copolymers. <i>Polymer</i> , 2015, 61, 55-60.  | 4.2  | 29           |
| 146 | Multidirectional Wear and Impact-to-wear Tests of Phospholipid-polymer-grafted and Vitamin E-blended Crosslinked Polyethylene: A Pilot Study. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 942-951.   | 1.8  | 24           |
| 147 | Mobility of the Arg-Gly-Asp ligand on the outermost surface of biomaterials suppresses integrin-mediated mechanotransduction and subsequent cell functions. <i>Acta Biomaterialia</i> , 2015, 13, 42-51.  | 9.4  | 18           |
| 148 | Preparation of photoreactive phospholipid polymer nanoparticles to immobilize and release protein by photoirradiation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 365-370.  | 5.4  | 7            |
| 149 | Building cell-containing multilayered phospholipid polymer hydrogels for controlling the diffusion of a bioactive reagent. <i>RSC Advances</i> , 2015, 5, 44408-44415.  | 4.4  | 6            |
| 150 | Cytocompatible and spontaneously forming phospholipid polymer hydrogels. <i>European Polymer Journal</i> , 2015, 72, 577-589.   | 5.9  | 9            |
| 151 | Highly lubricated polymer interfaces for advanced artificial hip joints through biomimetic design. <i>Polymer Journal</i> , 2015, 47, 585-597.  | 2.5  | 113          |
| 152 | Molecular Interaction Forces Generated during Protein Adsorption to Well-Defined Polymer Brush Surfaces. <i>Langmuir</i> , 2015, 31, 3108-3114.   | 3.6  | 64           |
| 153 | Efficient differentiation of stem cells encapsulated in a cytocompatible phospholipid polymer hydrogel with tunable physical properties. <i>Biomaterials</i> , 2015, 56, 86-91.   | 12.3 | 40           |
| 154 | Preparation of upper critical solution temperature (UCST) responsive diblock copolymers bearing pendant ureido groups and their micelle formation behavior in water. <i>Soft Matter</i> , 2015, 11, 5204-5213.  | 2.7  | 48           |
| 155 | Photoreactive Polymers Bearing a Zwitterionic Phosphorylcholine Group for Surface Modification of Biomaterials. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 17489-17498.   | 8.0  | 88           |
| 156 | Therapeutic effect of intravesical administration of paclitaxel solubilized with poly(2-methacryloyloxyethyl phosphorylcholine-co-n-butyl methacrylate) in an orthotopic bladder cancer model. <i>BMC Cancer</i> , 2015, 15, .                                  | 3.1  | 17           |
| 157 | Spontaneous Packaging and Hypothermic Storage of Mammalian Cells with a Cell-Membrane-Mimetic Polymer Hydrogel in a Microchip. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 23089-23097.  | 8.0  | 29           |
| 158 | Prevention of bacterial adhesion and biofilm formation on a vitamin E-blended, cross-linked polyethylene surface with a poly(2-methacryloyloxyethyl phosphorylcholine) layer. <i>Acta Biomaterialia</i> , 2015, 24, 24-34.                                      | 9.4  | 41           |
| 159 | Synthesis of grafted phosphorylcholine polymer layers as specific recognition ligands for C-reactive protein focused on grafting density and thickness to achieve highly sensitive detection. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 9951-9958. | 2.7  | 22           |
| 160 | Surface functionalization of quantum dots with fine-structured pH-sensitive phospholipid polymer chains. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 490-496.  | 5.4  | 6            |
| 161 | Concentration-dependent effects of fibronectin adsorbed on hydroxyapatite surfaces on osteoblast adhesion. <i>Materials Science and Engineering C</i> , 2015, 48, 378-383.  | 5.8  | 25           |
| 162 | Nano-scale Molecular Interaction Force Measurement for Analysis of Protein Adsorption on the Surfaces. <i>Transactions of the Materials Research Society of Japan</i> , 2014, 39, 185-188.  | 0.3  | 0            |

| #   | ARTICLE   | IF   | PR CITATIONS |
|-----|---|------|--------------|
| 163 | Effects of molecular architecture of phospholipid polymers on surface modification of segmented polyurethanes. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014, 25, 474-486.   | 3.4  | 19           |
| 164 | Water-soluble polymers bearing phosphorylcholine group and other zwitterionic groups for carrying DNA derivatives. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014, 25, 1461-1478.   | 3.4  | 13           |
| 165 | Neutron reflectivity study of the swollen structure of polyzwitterion and polyelectrolyte brushes in aqueous solution. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014, 25, 1673-1686.   | 3.4  | 69           |
| 166 | Thermo-Responsive and Biocompatible Diblock Copolymers Prepared via Reversible Addition-Fragmentation Chain Transfer (RAFT) Radical Polymerization. <i>Polymers</i> , 2014, 6, 846-859.   | 4.6  | 13           |
| 167 | Effect of UV irradiation intensity on graft polymerization of 2-methacryloyloxyethyl phosphorylcholine on orthopedic bearing substrate. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3012-3023.                          | 4.3  | 22           |
| 168 | Surface patterned graft copolymerization of hydrophilic monomers onto hydrophobic polymer film upon UV irradiation. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2822-2829.   | 2.3  | 9            |
| 169 | Phospholipid polymer-based antibody immobilization for cell rolling surfaces in stem cell purification system. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014, 25, 1590-1601.   | 3.4  | 12           |
| 170 | Durable modification of segmented polyurethane for elastic blood-contacting devices by graft-type 2-methacryloyloxyethyl phosphorylcholine copolymer. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014, 25, 1514-1529.              | 3.4  | 20           |
| 171 | Poly(2-methacryloyloxyethyl phosphorylcholine) grafting and vitamin E blending for high wear resistance and oxidative stability of orthopedic bearings. <i>Biomaterials</i> , 2014, 35, 6677-6686.  | 12.3 | 31           |
| 172 | Detection of microtubules in vivo using antibody-immobilized nanoneedles. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 107-112.   | 2.8  | 21           |
| 173 | Regulation of the Cyanobacterial Circadian Clock by Electrochemically Controlled Extracellular Electron Transfer. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2208-2211.   | 14.4 | 30           |
| 174 | Quantitating distance-dependent, indirect cell-cell interactions with a multilayered phospholipid polymer hydrogel. <i>Biomaterials</i> , 2014, 35, 2181-2187.  | 12.3 | 18           |
| 175 | Biomimetic Interfaces Reveal Activation Dynamics of a Reactive Protein in Local Microenvironments. <i>Advanced Healthcare Materials</i> , 2014, 3, 1733-1738.   | 8.8  | 32           |
| 176 | Long-term hip simulator testing of the artificial hip joint bearing surface grafted with biocompatible phospholipid polymer. <i>Journal of Orthopaedic Research</i> , 2014, 32, 369-376.  | 2.5  | 59           |
| 177 | Quantitative evaluation of interaction force of fibrinogen at well-defined surfaces with various structures. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014, 25, 1629-1640.   | 3.4  | 5            |
| 178 | Extracellular Electron Transfer Enhances Polyhydroxybutyrate Productivity in <i>Ralstonia eutropha</i> . <i>Environmental Science and Technology Letters</i> , 2014, 1, 40-43.  | 9.0  | 43           |
| 179 | Gene chip/PCR-array analysis of tissue response to 2-methacryloyloxyethyl phosphorylcholine (MPC) polymer surfaces in a mouse subcutaneous transplantation system. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014, 25, 1658-1672. | 3.4  | 14           |
| 180 | Amphiphilic Triblock Phospholipid Copolymers Bearing Phenylboronic Acid Groups for Spontaneous Formation of Hydrogels with Tunable Mechanical Properties. <i>Macromolecules</i> , 2014, 47, 3128-3135.  | 5.0  | 33           |

| #   | ARTICLE   | IF   | PR CITATIONS |
|-----|---|------|--------------|
| 181 | Cell-Membrane-Permeable and Cytocompatible Phospholipid Polymer Nanoprobes Conjugated with Molecular Beacons. <i>Biomacromolecules</i> , 2014, 15, 150-157.   | 5.2  | 34           |
| 182 | Quantitative Evaluation of Interaction Force between Functional Groups in Protein and Polymer Brush Surfaces. <i>Langmuir</i> , 2014, 30, 2745-2751.  | 3.6  | 55           |
| 183 | Evaluation of the durability and Antiadhesive action of 2-methacryloyloxyethyl phosphorylcholine grafting on an acrylic resin denture base material. <i>Journal of Prosthetic Dentistry</i> , 2014, 112, 194-203.   | 3.1  | 59           |
| 184 | Reduced platelets and bacteria adhesion on poly(ether ether ketone) by photoinduced and self-initiated graft polymerization of 2-methacryloyloxyethyl phosphorylcholine. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 1342-1349. | 4.3  | 78           |
| 185 | Grafting of poly(2-methacryloyloxyethyl phosphorylcholine) on polyethylene liner in artificial hip joints reduces production of wear particles. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 31, 100-106.                    | 3.4  | 12           |
| 186 | Phospholipid Polymer-covered Magnetic Nanoparticles for Tracking Intracellular Molecular Reaction. <i>Transactions of the Materials Research Society of Japan</i> , 2014, 39, 427-430.  | 0.3  | 1            |
| 187 | Cytocompatible and reversible phospholipid polymer hydrogels for encapsulation to provide unified quality cells. <i>Transactions of the Materials Research Society of Japan</i> , 2014, 39, 279-282.  | 0.3  | 0            |
| 188 | Aggregation behavior in water of amphiphilic diblock copolymers bearing biocompatible phosphorylcholine and cholesteryl groups. <i>Polymer Journal</i> , 2014, 47, 71-76.   | 2.5  | 6            |
| 189 | Multilayered phospholipid polymer hydrogels for releasing cell growth factors. <i>Biomaterials and Biomechanics in Bioengineering</i> , 2014, 1, 1-12.  | 0.0  | 3            |
| 190 | Comprehensive Genetic Analysis of Early Host Body Reactions to the Bioactive and Bio-Inert Porous Scaffolds. <i>PLoS ONE</i> , 2014, 9, e85132.   | 2.4  | 17           |
| 191 | Smart PEEK Modified by Self-Initiated Surface Graft Polymerization for Orthopedic Bearings. <i>Reconstructive Review</i> , 2014, 4, 36-45.  | 0.0  | 10           |
| 192 | Elution of Two Separated Peaks after Injection of a Small Sample Volume Using an Autosampler. <i>Chromatography</i> , 2014, 35, 59-62.  | 0.5  | 0            |
| 193 | Phospholipid polymer can reduce cytotoxicity of poly (lactic acid) nanoparticles in a high-content screening assay. <i>Biomaterials and Biomechanics in Bioengineering</i> , 2014, 1, 95-104.   | 0.0  | 0            |
| 194 | Cross-linkable and water-soluble phospholipid polymer as artificial extracellular matrix. <i>Biomaterials and Biomechanics in Bioengineering</i> , 2014, 1, 163-174.  | 0.0  | 1            |
| 195 | Preparation and Characterization of Polyion Complex Micelles with Phosphobetaine Shells. <i>Langmuir</i> , 2013, 29, 9651-9661.   | 3.6  | 53           |
| 196 | Poly(ether-ether-ketone) orthopedic bearing surface modified by self-initiated surface grafting of poly(2-methacryloyloxyethyl phosphorylcholine). <i>Biomaterials</i> , 2013, 34, 7829-7839.   | 12.3 | 82           |
| 197 | Elastic Repulsion from Polymer Brush Layers Exhibiting High Protein Repellency. <i>Langmuir</i> , 2013, 29, 10752-10758.  | 3.6  | 63           |
| 198 | Detachment of cells adhered on the photoreactive phospholipid polymer surface by photoirradiation and their functionality. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 489-495.  | 5.4  | 17           |

| #   | ARTICLE   | IF   | PR CITATIONS |
|-----|---|------|--------------|
| 199 | Relaxation modes in chemically cross-linked poly(2-methacryloyloxyethyl phosphorylcholine) hydrogels. <i>Soft Matter</i> , 2013, 9, 2166.   | 2.7  | 12           |
| 200 | Phospholipid polymer hydrogel microsphere modulates the cell cycle profile of encapsulated cells. <i>Soft Matter</i> , 2013, 9, 4628.   | 2.7  | 42           |
| 201 | Hybridization of poly(2-methacryloyloxyethyl phosphorylcholine-block-2-ethylhexyl methacrylate) with segmented polyurethane for reducing thrombogenicity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 108, 239-245.   | 5.4  | 23           |
| 202 | A simple procedure for the preparation of precise spatial multicellular phospholipid polymer hydrogels. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 108, 345-351.   | 5.4  | 22           |
| 203 | The significance of hydrated surface molecular mobility in the control of the morphology of adhering fibroblasts. <i>Biomaterials</i> , 2013, 34, 3206-3214.  | 12.3 | 58           |
| 204 | Extracellular Electron Transfer across Bacterial Cell Membranes via a Cytocompatible Redox-Active Polymer. <i>ChemPhysChem</i> , 2013, 14, 2159-2163.   | 1.9  | 47           |
| 205 | Inducing Rapid Cellular Response on RGD-Binding Threaded Macromolecular Surfaces. <i>Journal of the American Chemical Society</i> , 2013, 135, 5513-5516.   | 15.0 | 115          |
| 206 | The use of the mechanical microenvironment of phospholipid polymer hydrogels to control cell behavior. <i>Biomaterials</i> , 2013, 34, 5891-5896.   | 12.3 | 55           |
| 207 | Linear and hyperbranched phosphorylcholine based homopolymers for blood biocompatibility. <i>Polymer Chemistry</i> , 2013, 4, 3140.   | 3.9  | 27           |
| 208 | Direct observation of selective protein capturing on molecular imprinting substrates. <i>Biosensors and Bioelectronics</i> , 2013, 40, 96-101.  | 9.6  | 29           |
| 209 | Evaluation of the actin cytoskeleton state using an antibody-functionalized nanoneedle and an AFM. <i>Biosensors and Bioelectronics</i> , 2013, 40, 3-9.  | 9.6  | 36           |
| 210 | Direct electron transfer with enzymes on nanofiliform titanium oxide films with electron-transport ability. <i>Biosensors and Bioelectronics</i> , 2013, 41, 289-293.   | 9.6  | 8            |
| 211 | Redox phospholipid polymer microparticles as doubly functional polymer support for immobilization of enzyme oxidase. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 857-863.  | 5.4  | 15           |
| 212 | Synthesis of Photoreactive Phospholipid Polymers for Use in Versatile Surface Modification of Various Materials to Obtain Extreme Wettability. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 6832-6836.  | 8.0  | 36           |
| 213 | Release of Potassium Ion and Calcium Ion from Phosphorylcholine Group Bearing Hydrogels. <i>Polymers</i> , 2013, 5, 1241-1257.  | 4.6  | 27           |
| 214 | A large mobility of hydrophilic molecules at the outmost layer controls the protein adsorption and adhering behavior with the actin fiber orientation of human umbilical vein endothelial cells (HUVEC). <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013, 24, 1320-1332. | 3.4  | 11           |
| 215 | Preparation of amphiphilic diblock copolymers with pendant hydrophilic phosphorylcholine and hydrophobic dendron groups and their self-association behavior in water. <i>Journal of Polymer Science Part A</i> , 2013, 51, 4923-4931.   | 2.3  | 8            |
| 216 | NONBIOFOULING SURFACES COVERED BY BIO-INSPIRED 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE POLYMER BRUSH BY USE OF POLYMERIC PHOTOINITIATOR. <i>Nano LIFE</i> , 2012, 02, 1242003.   | 0.9  | 1            |

| #   | ARTICLE   | IF   | PR CITATIONS |
|-----|---|------|--------------|
| 217 | Cell membrane-inspired phospholipid polymers for developing medical devices with excellent biointerfaces. <i>Science and Technology of Advanced Materials</i> , 2012, 13, 064101.                           | 6.2  | 274          |
| 218 | The helical flow pump with a hydrodynamic levitation impeller. <i>Journal of Artificial Organs</i> , 2012, 15, 331-340.   | 1.1  | 19           |
| 219 | Spherical Phospholipid Polymer Hydrogels for Cell Encapsulation Prepared with a Flow-Focusing Microfluidic Channel Device. <i>Langmuir</i> , 2012, 28, 2145-2150.   | 3.6  | 54           |
| 220 | Designing dynamic surfaces for regulation of biological responses. <i>Soft Matter</i> , 2012, 8, 5477.  | 2.7  | 58           |
| 221 | Degradable Thermoresponsive Nanogels for Protein Encapsulation and Controlled Release. <i>Bioconjugate Chemistry</i> , 2012, 23, 75-83.   | 3.9  | 97           |
| 222 | Wettability and Antifouling Behavior on the Surfaces of Superhydrophilic Polymer Brushes. <i>Langmuir</i> , 2012, 28, 7212-7222.  | 3.6  | 427          |
| 223 | Platelet adhesion-resistance of titanium substrate with mussel-inspired adhesive polymer bearing phosphorylcholine group. <i>Applied Surface Science</i> , 2012, 258, 5418-5423.                            | 6.7  | 21           |
| 224 | Cell adhesion control on photoreactive phospholipid polymer surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 99, 1-6.  | 5.4  | 29           |
| 225 | Impact of the nature, size and chain topologies of carbohydrate-phosphorylcholine polymeric gene delivery systems. <i>Biomaterials</i> , 2012, 33, 7858-7870.   | 12.3 | 61           |
| 226 | The effect of the encapsulation of bacteria in redox phospholipid polymer hydrogels on electron transfer efficiency in living cell-based devices. <i>Biomaterials</i> , 2012, 33, 8221-8227.                | 12.3 | 57           |
| 227 | Electrospun phospholipid polymer substrate for enhanced performance in immunoassay system. <i>Biosensors and Bioelectronics</i> , 2012, 38, 209-214.  | 9.6  | 28           |
| 228 | Biomimetic hydrogels gate transport of calcium ions across cell culture inserts. <i>Biomedical Microdevices</i> , 2012, 14, 549-558.  | 2.7  | 17           |
| 229 | Preparation and surface properties of polyrotaxane-containing tri-block copolymers as a design for dynamic biomaterials surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 89, 223-227.        | 5.4  | 33           |
| 230 | Simple surface treatment using amphiphilic phospholipid polymers to obtain wetting and lubricity on polydimethylsiloxane-based substrates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 97, 70-76. | 5.4  | 18           |
| 231 | Regulation of cell proliferation by multi-layered phospholipid polymer hydrogel coatings through controlled release of paclitaxel. <i>Biomaterials</i> , 2012, 33, 954-961.                                 | 12.3 | 50           |
| 232 | Biomimetic hydration lubrication with various polyelectrolyte layers on cross-linked polyethylene orthopedic bearing materials. <i>Biomaterials</i> , 2012, 33, 4451-4459.                                  | 12.3 | 95           |
| 233 | Mechanical force-based probing of intracellular proteins from living cells using antibody-immobilized nanoneedles. <i>Biosensors and Bioelectronics</i> , 2012, 31, 323-329.                                | 9.6  | 44           |
| 234 | Fabrication of polymeric electron-transfer mediator/enzyme hydrogel multilayer on an Au electrode in a layer-by-layer process. <i>Biosensors and Bioelectronics</i> , 2012, 34, 191-196.                    | 9.6  | 30           |

| #   | ARTICLE   | IF  | PR CITATIONS |
|-----|---|-----|--------------|
| 235 | Cytocompatible polymer hydrogels as microenvironment tunable three-dimensional cell culture matrices. Transactions of the Materials Research Society of Japan, 2012, 37, 357-360.                                     | 0.3 | 2            |
| 236 | Encapsulation of <i>Shewanella</i> in the redox phospholipid polymer hydrogel for microbial fuel cell fabrication. Transactions of the Materials Research Society of Japan, 2012, 37, 529-532.                        | 0.3 | 4            |
| 237 | Preparation of Photolabile and Cytocompatible Polymer Surface to Control Cell Adhesion and Detachment. Transactions of the Materials Research Society of Japan, 2012, 37, 329-332.                                    | 0.3 | 0            |
| 238 | Micropatterned Biorecognition Surfaces on Nonbiofouling Polymer by Living Radical Photopolymerization for High Sensitivity Biosensing. Materials Research Society Symposia Proceedings, 2011, 1093, .                 | 0.1 | 0            |
| 239 | Cell Self Assembly of Intracellular Interface Using Cell Migration. Materials Research Society Symposia Proceedings, 2011, 1092, .  | 0.1 | 1            |
| 240 | The End Group Modification of Phospholipid Polymer Brush Grafted on Ferric Oxide Nanoparticles for Diagnostics. Materials Research Society Symposia Proceedings, 2011, 1093, .  | 0.1 | 3            |
| 241 | Quick and simple modification of a poly(dimethylsiloxane) surface by optimized molecular design of the anti-biofouling phospholipid copolymer. Soft Matter, 2011, 7, 2968.  | 2.7 | 40           |
| 242 | Well-Controlled Cationic Water-Soluble Phospholipid Polymer-DNA Nanocomplexes for Gene Delivery. Bioconjugate Chemistry, 2011, 22, 1228-1238.   | 3.9 | 49           |
| 243 | Detailed study of the reversible addition-fragmentation chain transfer polymerization and co-polymerization of 2-methacryloyloxyethyl phosphorylcholine. Polymer Chemistry, 2011, 2, 632-639.                         | 3.9 | 54           |
| 244 | Novel polymer biomaterials and interfaces inspired from cell membrane functions. Biochimica Et Biophysica Acta - General Subjects, 2011, 1810, 268-275.   | 2.0 | 38           |
| 245 | Significance of Antibody Orientation Unraveled: Well-Oriented Antibodies Recorded High Binding Affinity. Analytical Chemistry, 2011, 83, 1969-1976.   | 6.5 | 204          |
| 246 | The effects of nanophase-separated amphiphilic domains on cell adhesion. Transactions of the Materials Research Society of Japan, 2011, 36, 577-580.  | 0.3 | 3            |
| 247 | Enzyme oxidase-immobilized phospholipid polymer microparticles for biofuel cell application. Transactions of the Materials Research Society of Japan, 2011, 36, 531-534.  | 0.3 | 2            |
| 248 | In Vivo Evaluation of the "TinyPump" as a Pediatric Left Ventricular Assist Device. Artificial Organs, 2011, 35, 543-553.   | 1.8 | 12           |
| 249 | Synthesis of polyurethanes by polyaddition using diol compounds with methacrylate-derived functional groups. Polymer, 2011, 52, 5445-5451.  | 4.2 | 20           |
| 250 | Effects of 3,4-dihydrophenyl groups in water-soluble phospholipid polymer on stable surface modification of titanium alloy. Colloids and Surfaces B: Biointerfaces, 2011, 88, 215-220.                                | 5.4 | 30           |
| 251 | Methacrylate polymer layers bearing poly(ethylene oxide) and phosphorylcholine side chains as non-fouling surfaces: In vitro interactions with plasma proteins and platelets. Acta Biomaterialia, 2011, 7, 3692-3699. | 9.4 | 78           |
| 252 | Hydrolyzed eggshell membrane immobilized on phosphorylcholine polymer supplies extracellular matrix environment for human dermal fibroblasts. Cell and Tissue Research, 2011, 345, 177-190.                           | 2.7 | 48           |

| #   | ARTICLE   | IF   | PR CITATIONS |
|-----|---|------|--------------|
| 253 | Cartilage-mimicking, High-density Brush Structure Improves Wear Resistance of Crosslinked Polyethylene: A Pilot Study. <i>Clinical Orthopaedics and Related Research</i> , 2011, 469, 2327-2336.                                      | 1.8  | 50           |
| 254 | Effect of hydrophilic polymer conjugation on heat-induced conformational changes in a protein. <i>Acta Biomaterialia</i> , 2011, 7, 1477-1484.  | 9.4  | 20           |
| 255 | Tissue response to poly(l-lactic acid)-based blend with phospholipid polymer for biodegradable cardiovascular stents. <i>Biomaterials</i> , 2011, 32, 2241-2247.  | 12.3 | 46           |
| 256 | Integrated functional nanocolloids covered with artificial cell membranes for biomedical applications. <i>Nano Today</i> , 2011, 6, 61-74.  | 10.0 | 97           |
| 257 | Adhesion force of proteins against hydrophilic polymer brush surfaces. <i>Reactive and Functional Polymers</i> , 2011, 71, 350-355.   | 4.8  | 50           |
| 258 | Thermo-responsive behavior of hybrid core cross-linked polymer micelles with biocompatible shells. <i>Polymer</i> , 2011, 52, 2810-2818.  | 4.2  | 14           |
| 259 | Biomimetic Polymer Nanoparticles Embedding Quantum Dots. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1357, .   | 0.1  | 3            |
| 260 | Physicochemical delivery of amphiphilic copolymers to specific organelles. <i>Polymer Journal</i> , 2011, 43, 718-722.  | 2.5  | 7            |
| 261 | Spontaneous Formation of a Hydrogel Composed of Water-Soluble Phospholipid Polymers Grafted with Enantiomeric Oligo(lactic acid) Chains. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011, 22, 77-89.                   | 3.4  | 9            |
| 262 | Photodynamic Therapy Using an Anti-EGF Receptor Antibody Complexed with Verteporfin Nanoparticles: A Proof of Concept Study. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2011, 26, 697-704.                                   | 1.3  | 19           |
| 263 | Reduction of Peritendinous Adhesions by Hydrogel Containing Biocompatible Phospholipid Polymer MPC for Tendon Repair. <i>Journal of Bone and Joint Surgery - Series A</i> , 2011, 93, 142-149.  | 3.4  | 57           |
| 264 | Chain dimension of polyampholytes in solution and immobilized brush states. <i>Polymer Journal</i> , 2011, 44, 121-130.   | 2.5  | 64           |
| 265 | Cartilage-mimicking, Super Lubricious Bearing Surface Extends Longevity of Artificial Joint Replacements. <i>Hyomen Kagaku</i> , 2011, 32, 557-562.   | 0.1  | 1            |
| 266 | Quantum dots covered with pH responsive and biocompatible phospholipid polymer for trafficking in endocytosis process. <i>Transactions of the Materials Research Society of Japan</i> , 2011, 36, 265-268.                            | 0.3  | 1            |
| 267 | Bioinspired phospholipid polymer for improvement of biofouling on titanium alloy substrate. <i>Transactions of the Materials Research Society of Japan</i> , 2011, 36, 573-576.   | 0.3  | 1            |
| 268 | Continuous preparation of cytocompatible poly(2-methacryloyloxyethyl phosphorylcholine) microcapsule for cell immobilization using microfluidics. <i>Transactions of the Materials Research Society of Japan</i> , 2011, 36, 569-572. | 0.3  | 0            |
| 269 | Layer-by-Layer Building up of Redox Phospholipid Polymer Hydrogel Electrode for Biosensor. <i>Transactions of the Materials Research Society of Japan</i> , 2011, 36, 545-548.  | 0.3  | 1            |
| 270 | Nanobiofunctions on Cell Membrane-inspired Polymer Materials. <i>Membrane</i> , 2010, 35, 217-223.  | 0.0  | 0            |

| #   | ARTICLE  | IF   | PR CITATIONS |
|-----|--|------|--------------|
| 271 | Lubricity and stability of poly(2-methacryloyloxyethyl phosphorylcholine) polymer layer on Co/Cr/Mo surface for hemi-arthroplasty to prevent degeneration of articular cartilage. <i>Biomaterials</i> , 2010, 31, 658-668.   | 12.3 | 86           |
| 272 | Self-initiated surface grafting with poly(2-methacryloyloxyethyl phosphorylcholine) on poly(ether-ether-ketone). <i>Biomaterials</i> , 2010, 31, 1017-1024.  | 12.3 | 150          |
| 273 | Cell-penetrating macromolecules: Direct penetration of amphipathic phospholipid polymers across plasma membrane of living cells. <i>Biomaterials</i> , 2010, 31, 2380-2387.  | 12.3 | 112          |
| 274 | The prevention of peritendinous adhesions by a phospholipid polymer hydrogel formed in situ by spontaneous intermolecular interactions. <i>Biomaterials</i> , 2010, 31, 4009-4016.   | 12.3 | 85           |
| 275 | 2-Methacryloyloxyethyl phosphorylcholine polymer (MPC)-coating improves the transfection activity of GALA-modified lipid nanoparticles by assisting the cellular uptake and intracellular dissociation of plasmid DNA in primary hepatocytes. <i>Biomaterials</i> , 2010, 31, 6355-6362. | 12.3 | 43           |
| 276 | Phospholipid Polymer Biointerfaces for Lab-on-a-Chip Devices. <i>Annals of Biomedical Engineering</i> , 2010, 38, 1938-1953.   | 3.7  | 48           |
| 277 | A Microfluidic Hydrogel Capable of Cell Preservation without Perfusion Culture under Cell-Based Assay Conditions. <i>Advanced Materials</i> , 2010, 22, 3017-3021.   | 24.5 | 54           |
| 278 | The biological performance of cell-containing phospholipid polymer hydrogels in bulk and microscale form. <i>Biomaterials</i> , 2010, 31, 8839-8846.   | 12.3 | 29           |
| 279 | Super-hydrophilic silicone hydrogels with interpenetrating poly(2-methacryloyloxyethyl) Tj ETQq1 1 0.784314 rgBT /Oerlock 10 Tf 50   | 12.3 | 116          |
| 280 | Stabilization of phospholipid polymer surface with three-dimensional nanometer-scaled structure for highly sensitive immunoassay. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 77, 263-269.   | 5.4  | 19           |
| 281 | Simple surface modification of a titanium alloy with silanated zwitterionic phosphorylcholine or sulfobetaine modifiers to reduce thrombogenicity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 357-364.  | 5.4  | 82           |
| 282 | Reduction of protein adsorption on well-characterized polymer brush layers with varying chemical structures. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 81, 350-357.  | 5.4  | 93           |
| 283 | Single-cell attachment and culture method using a photochemical reaction in a closed microfluidic system. <i>Biomicrofluidics</i> , 2010, 4, .   | 2.2  | 34           |
| 284 | Surface Modification of SiO <sub>2</sub> Microchannels with Biocompatible Polymer Using Supercritical Carbon Dioxide. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 116503.   | 1.9  | 0            |
| 285 | Control of cell function on a phospholipid polymer having phenylboronic acid moiety. <i>Biomedical Materials (Bristol)</i> , 2010, 5, 054101.  | 3.3  | 29           |
| 286 | Control of surface modification uniformity inside small-diameter polyethylene/poly(vinyl acetate) composite tubing prepared with supercritical carbon dioxide. <i>Journal of Materials Chemistry</i> , 2010, 20, 4897.   | 7.3  | 5            |
| 287 | High-Sensitive Analysis of Oligopeptide-Induced Cell Penetration Using Phospholipid Polymer Nanoparticles Containing Quantum Dots. <i>Transactions of the Materials Research Society of Japan</i> , 2009, 34, 189-192.   | 0.3  | 1            |
| 288 | Molecular-Integrated Phospholipid Polymer Nanoparticles with Highly Biofunctionality. <i>Macromolecular Symposia</i> , 2009, 279, 125-131.   | 0.8  | 25           |

| #   | ARTICLE   | IF   | PR CITATIONS |
|-----|---|------|--------------|
| 289 | Precise Design of Surface Nano-texture and Surface Chemistry of Polymeric Solids. Composite Interfaces, 2009, 16, 519-533.  | 2.4  | 4            |
| 290 | Bioinspired interface for nanobiodevices based on phospholipid polymer chemistry. Journal of the Royal Society Interface, 2009, 6, .  | 3.3  | 77           |
| 291 | Bioabsorbable Materialâ€œContaining Phosphorylcholine Group-Rich Surfaces for Temporary Scaffolding of the Vessel Wall. Tissue Engineering - Part C: Methods, 2009, 15, 125-133.  | 2.5  | 15           |
| 292 | Biodegradable polymer films for releasing nanovehicles containing sirolimus. Drug Delivery, 2009, 16, 183-188.  | 7.7  | 8            |
| 293 | Selective targeting by preS1 domain of hepatitis B surface antigen conjugated with phosphorylcholineâ€œbased amphiphilic block copolymer micelles as a biocompatible, drug delivery carrier for treatment of human hepatocellular carcinoma with paclitaxel. International Journal of Cancer, 2009, 124, 2460-2467. | 4.5  | 29           |
| 294 | Effects of mobility/immobility of surface modification by 2â€œmethacryloyloxyethyl phosphorylcholine polymer on the durability of polyethylene for artificial joints. Journal of Biomedical Materials Research - Part A, 2009, 90A, 362-371.  | 4.3  | 57           |
| 295 | Superlubricious surface mimicking articular cartilage by grafting poly(2â€œmethacryloyloxyethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2009, 91A, 730-741.  | 4.3  | 49           |
| 296 | Protein adsorption resistance and oxygen permeability of chemically crosslinked phospholipid polymer hydrogel for ophthalmologic biomaterials. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 89B, 184-190.  | 3.5  | 60           |
| 297 | Poly(vinylferrocene-co-2-hydroxyethyl methacrylate) mediator as immobilized enzyme membrane for the fabrication of amperometric glucose sensor. Sensors and Actuators B: Chemical, 2009, 136, 122-127.  | 7.7  | 28           |
| 298 | Preparation of electrospun poly(l-lactide-co-caprolactone-co-glycolide)/phospholipid polymer/rapamycin blended fibers for vascular application. Current Applied Physics, 2009, 9, e249-e251.  | 2.7  | 4            |
| 299 | Preparation of nano-structured titanium oxide film for biosensor substrate by wet corrosion process. Current Applied Physics, 2009, 9, e266-e269.   | 2.7  | 13           |
| 300 | Smart controlled preparation of multilayered hydrogel for releasing bioactive molecules. Current Applied Physics, 2009, 9, e259-e262.   | 2.7  | 21           |
| 301 | Intraperitoneal administration of paclitaxel solubilized with poly(2â€œmethacryloyloxyethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2009, 100, 1979-1985.  | 4.0  | 59           |
| 302 | Surface modification by 2-methacryloyloxyethyl phosphorylcholine coupled to a photolabile linker for cell micropatterning. Biomaterials, 2009, 30, 1413-1420.   | 12.3 | 79           |
| 303 | Conformational recovery and preservation of protein nature from heat-induced denaturation by water-soluble phospholipid polymer conjugation. Biomaterials, 2009, 30, 4859-4867.   | 12.3 | 25           |
| 304 | Cell adhesion on phase-separated surface of block copolymer composed of poly(2-methacryloyloxyethyl phosphorylcholine) and poly(dimethylsiloxane). Biomaterials, 2009, 30, 5330-5340.   | 12.3 | 69           |
| 305 | Fabrication of a cell-adhesive protein imprinting surface with an artificial cell membrane structure for cell capturing. Biosensors and Bioelectronics, 2009, 25, 609-614.  | 9.6  | 46           |
| 306 | Surface modification of a titanium alloy with a phospholipid polymer prepared by a plasma-induced grafting technique to improve surface thromboresistance. Colloids and Surfaces B: Biointerfaces, 2009, 74, 96-102.  | 5.4  | 41           |

| #   | ARTICLE  | IF   | PR CITATIONS |
|-----|--|------|--------------|
| 307 | Nanoscale evaluation of lubricity on well-defined polymer brush surfaces using QCM-D and AFM. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 74, 350-357.   | 5.4  | 50           |
| 308 | Wear resistance of artificial hip joints with poly(2-methacryloyloxyethyl phosphorylcholine) grafted polyethylene: Comparisons with the effect of polyethylene cross-linking and ceramic femoral heads. <i>Biomaterials</i> , 2009, 30, 2995-3001. | 12.3 | 103          |
| 309 | Controlled drug release from multilayered phospholipid polymer hydrogel on titanium alloy surface. <i>Biomaterials</i> , 2009, 30, 5201-5208.  | 12.3 | 50           |
| 310 | Protein adsorption and cell adhesion on cationic, neutral, and anionic 2-methacryloyloxyethyl phosphorylcholine copolymer surfaces. <i>Biomaterials</i> , 2009, 30, 4930-4938.   | 12.3 | 145          |
| 311 | Development of a method to evaluate caspase-3 activity in a single cell using a nanoneedle and a fluorescent probe. <i>Biosensors and Bioelectronics</i> , 2009, 25, 22-27.  | 9.6  | 35           |
| 312 | Solubilization of quantum dot with new double functional reversible addition-fragmentation chain transfer reagents. <i>Current Applied Physics</i> , 2009, 9, e284-e286.   | 2.7  | 3            |
| 313 | Synthesis of Amphiphilic Copolymers by Soap-free Interface-Mediated Polymerization. <i>Polymer Journal</i> , 2009, 41, 370-373.  | 2.5  | 9            |
| 314 | RAFT Synthesis and Stimulus-Induced Self-Assembly in Water of Copolymers Based on the Biocompatible Monomer 2-(Methacryloyloxy)ethyl Phosphorylcholine. <i>Biomacromolecules</i> , 2009, 10, 950-958.  | 5.2  | 77           |
| 315 | Suppression of Protein Adsorption on a Charged Phospholipid Polymer Interface. <i>Biomacromolecules</i> , 2009, 10, 267-274.   | 5.2  | 44           |
| 316 | Self-Initiated Surface Graft Polymerization of 2-Methacryloyloxyethyl Phosphorylcholine on Poly(ether ether ketone) by Photoirradiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 537-542.   | 8.0  | 114          |
| 317 | Controllable Nanostructured Surface Modification on Quantum Dot for Biomedical Application in Aqueous Medium. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 358-365.   | 0.6  | 17           |
| 318 | Structure and Surface Properties of High-density Polyelectrolyte Brushes at the Interface of Aqueous Solution. <i>Macromolecular Symposia</i> , 2009, 279, 79-87.  | 0.8  | 34           |
| 319 | Nanoneedle Surface Modification with 2-Methacryloyloxyethyl Phosphorylcholine Polymer to Reduce Nonspecific Protein Adsorption in a Living Cell. <i>Nanobiotechnology</i> , 2008, 3, 127-134.  | 0.0  | 13           |
| 320 | Multiple Protein-immobilized Phospholipid Polymer Nanoparticles: Effect of Spacer Length on Residual Enzymatic Activity and Molecular Diagnosis. <i>Nanobiotechnology</i> , 2008, 3, 76-82.  | 0.0  | 10           |
| 321 | Phosphorylcholine Group-immobilized Surface Prepared on Polydimethylsiloxane Membrane by In Situ Reaction for Its Reduced Biofouling. <i>Nanobiotechnology</i> , 2008, 3, 83-88.   | 0.0  | 13           |
| 322 | Surface tethering of phosphorylcholine groups onto poly(dimethylsiloxane) through swelling-deswelling methods with phospholipids moiety containing ABA-type block copolymers. <i>Biomaterials</i> , 2008, 29, 1367-1376.                           | 12.3 | 123          |
| 323 | Photografting of 2-methacryloyloxyethyl phosphorylcholine from polydimethylsiloxane: Tunable protein repellency and lubrication property. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 63, 64-72.   | 5.4  | 55           |
| 324 | Surface immobilization of biocompatible phospholipid polymer multilayered hydrogel on titanium alloy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 67, 216-223.   | 5.4  | 47           |

| #   | ARTICLE   | IF  | PR CITATIONS |
|-----|---|-----|--------------|
| 325 | Hydration of phosphorylcholine groups attached to highly swollen polymer hydrogels studied by thermal analysis. <i>Polymer</i> , 2008, 49, 4652-4657.   | 4.2 | 130          |
| 326 | Graft copolymerization of 2-methacryloyloxyethyl phosphorylcholine to cellulose in homogeneous media using atom transfer radical polymerization for providing new hemocompatible coating materials. <i>Journal of Polymer Science Part A</i> , 2008, 46, 3306-3313. | 2.3 | 59           |
| 327 | Effect of 2-methacryloyloxyethyl phosphorylcholine concentration on photo-induced graft polymerization of polyethylene in reducing the wear of orthopaedic bearing surface. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 86A, 439-447.          | 4.3 | 49           |
| 328 | Enhanced wear resistance of orthopaedic bearing due to the cross-linking of poly(MPC) graft chains induced by gamma-ray irradiation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 84B, 320-327.                            | 3.5 | 33           |
| 329 | Single step diagnosis system using the FRET phenomenon induced by antibody-immobilized phosphorylcholine group-covered polymer nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2008, 129, 87-93.  | 7.7 | 12           |
| 330 | Establishing ultimate biointerfaces covered with phosphorylcholine groups. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 65, 155-165.   | 5.4 | 43           |
| 331 | Polymer composite biomaterials from polyethylene/poly(vinyl acetate) prepared in supercritical carbon dioxide and their bulk and surface characterization. <i>Journal of Supercritical Fluids</i> , 2008, 44, 391-399.  | 4.0 | 12           |
| 332 | Protein adsorption resistant surface on polymer composite based on 2D- and 3D-controlled grafting of phospholipid moieties. <i>Applied Surface Science</i> , 2008, 255, 379-383.  | 6.7 | 13           |
| 333 | Synthesis and Properties of Segmented Poly(urethane-urea)s Containing Phosphorylcholine Moiety in the Side-Chain. <i>Polymer Journal</i> , 2008, 40, 1149-1156.   | 2.5 | 17           |
| 334 | Antithrombogenic Properties of a Monopivot Magnetic Suspension Centrifugal Pump for Circulatory Assist. <i>Artificial Organs</i> , 2008, 32, 484-489.   | 1.8 | 11           |
| 335 | Polymer Nanoparticles Covered with Phosphorylcholine Groups and Immobilized with Antibody for High-Affinity Separation of Proteins. <i>Biomacromolecules</i> , 2008, 9, 828-833.  | 5.2 | 99           |
| 336 | Artificial Cell Membrane-Covered Nanoparticles Embedding Quantum Dots as Stable and Highly Sensitive Fluorescence Bioimaging Probes. <i>Biomacromolecules</i> , 2008, 9, 3252-3257.   | 5.2 | 63           |
| 337 | Rapid Development of Hydrophilicity and Protein Adsorption Resistance by Polymer Surfaces Bearing Phosphorylcholine and Naphthalene Groups. <i>Langmuir</i> , 2008, 24, 10340-10344.  | 3.6 | 70           |
| 338 | Dimensions of a Free Linear Polymer and Polymer Immobilized on Silica Nanoparticles of a Zwitterionic Polymer in Aqueous Solutions with Various Ionic Strengths. <i>Langmuir</i> , 2008, 24, 8772-8778.   | 3.6 | 90           |
| 339 | Bioconjugated Phospholipid Polymer Biointerface for Enzyme-Linked Immunosorbent Assay. <i>Biomacromolecules</i> , 2008, 9, 403-407.   | 5.2 | 60           |
| 340 | New Nanocomposite Biomaterials Controlling Surface and Bulk Properties using Supercritical Carbon Dioxide. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1097, .   | 0.1 | 0            |
| 341 | Prevention of Biofilm Formation with a Coating of 2-Methacryloyloxyethyl Phosphorylcholine Polymer. <i>Journal of Veterinary Medical Science</i> , 2008, 70, 167-173.   | 0.9 | 55           |
| 342 | Functional Biointerface for Microfluidic Devices Using Phospholipid Polymers. <i>Kobunshi Ronbunshu</i> , 2008, 65, 228-234.  | 0.0 | 0            |

| #   | ARTICLE   | IF   | PR CITATIONS |
|-----|---|------|--------------|
| 343 | Instantaneous Determination via Bimolecular Recognition: Usefulness of FRET in Phosphorylcholine Group Enriched Nanoparticles. <i>Bioconjugate Chemistry</i> , 2007, 18, 1811-1817.   | 3.9  | 15           |
| 344 | Friction behavior of high-density poly(2-methacryloyloxyethyl phosphorylcholine) brush in aqueous media. <i>Soft Matter</i> , 2007, 3, 740.   | 2.7  | 255          |
| 345 | Tissue-compatible and adhesive polyion complex hydrogels composed of amphiphilic phospholipid polymers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2007, 18, 623-640.  | 3.4  | 9            |
| 346 | Phospholipid polymer hydrogel formed by the photodimerization of cinnamoyl groups in the polymer side chain. <i>Journal of Applied Polymer Science</i> , 2007, 104, 44-50.  | 2.7  | 11           |
| 347 | Biocompatibility and drug release behavior of spontaneously formed phospholipid polymer hydrogels. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 45-54.   | 4.3  | 41           |
| 348 | Enhanced wear resistance of modified cross-linked polyethylene by grafting with poly(2-methacryloyloxyethyl phosphorylcholine). <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 82A, 10-17.  | 4.3  | 68           |
| 349 | Photoinduced phospholipid polymer grafting on Parylene film: Advanced lubrication and antibiofouling properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 54, 67-73.   | 5.4  | 114          |
| 350 | Surface modification on microfluidic devices with 2-methacryloyloxyethyl phosphorylcholine polymers for reducing unfavorable protein adsorption. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 54, 88-93.   | 5.4  | 161          |
| 351 | Antibody immobilization to phospholipid polymer layer on gold substrate of quartz crystal microbalance immunosensor. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 55, 164-172.   | 5.4  | 31           |
| 352 | High lubricious surface of cobalt-chromium-molybdenum alloy prepared by grafting poly(2-methacryloyloxyethyl phosphorylcholine). <i>Biomaterials</i> , 2007, 28, 3121-3130.   | 12.3 | 58           |
| 353 | Cytocompatible biointerface on poly(lactic acid) by enrichment with phosphorylcholine groups for cell engineering. <i>Materials Science and Engineering C</i> , 2007, 27, 227-231.  | 5.8  | 25           |
| 354 | Microfluidic flow control on charged phospholipid polymer interface. <i>Lab on A Chip</i> , 2007, 7, 199-206.   | 5.2  | 66           |
| 355 | Preparations of Aromatic Diamine Monomers and Copolyamides Containing Phosphorylcholine Moiety and the Biocompatibility of Copolyamides. <i>Polymer Journal</i> , 2007, 39, 712-721.  | 2.5  | 16           |
| 356 | Effects of photo-induced graft polymerization of 2-methacryloyloxyethyl phosphorylcholine on physical properties of cross-linked polyethylene in artificial hip joints. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 1809-1815. | 3.7  | 56           |
| 357 | Temporal and spatially controllable cell encapsulation using a water-soluble phospholipid polymer with phenylboronic acid moiety. <i>Biomaterials</i> , 2007, 28, 1770-1777.  | 12.3 | 121          |
| 358 | Preparation of molecular dispersed polymer blend composed of polyethylene and poly(vinyl acetate) by in situ polymerization of vinyl acetate using supercritical carbon dioxide. <i>Polymer</i> , 2007, 48, 1573-1580.                                    | 4.2  | 25           |
| 359 | Protein resistant surfaces: Comparison of acrylate graft polymers bearing oligo-ethylene oxide and phosphorylcholine side chains. <i>Biointerphases</i> , 2006, 1, 50-60.   | 1.6  | 147          |
| 360 | Sequential Enzymatic Reactions and Stability of Biomolecules Immobilized onto Phospholipid Polymer Nanoparticles. <i>Biomacromolecules</i> , 2006, 7, 171-175.  | 5.2  | 54           |

| #   | ARTICLE  | IF   | PR CITATIONS |
|-----|--|------|--------------|
| 361 | Soft contact lens biomaterials from bioinspired phospholipid polymers. Expert Review of Medical Devices, 2006, 3, 167-174.   | 2.1  | 160          |
| 362 | Dimension of Poly(2-methacryloyloxyethyl phosphorylcholine) in Aqueous Solutions with Various Ionic Strength. Chemistry Letters, 2006, 35, 1310-1311.  | 1.1  | 33           |
| 363 | 2006 FRANK STINCHFIELD AWARD: Grafting of Biocompatible Polymer for Longevity of Artificial Hip Joints. Clinical Orthopaedics and Related Research, 2006, 453, 58-63.                            | 1.8  | 51           |
| 364 | High functional hollow fiber membrane modified with phospholipid polymers for a liver assist bioreactor. Biomaterials, 2006, 27, 1955-1962.  | 12.3 | 62           |
| 365 | Biomimetic phosphorylcholine polymer grafting from polydimethylsiloxane surface using photo-induced polymerization. Biomaterials, 2006, 27, 5151-5160.   | 12.3 | 235          |
| 366 | Dual mode bioreactions on polymer nanoparticles covered with phosphorylcholine group. Colloids and Surfaces B: Biointerfaces, 2006, 50, 55-60.   | 5.4  | 24           |
| 367 | Water structure and improved mechanical properties of phospholipid polymer hydrogel with phosphorylcholine centered intermolecular cross-linker. Polymer, 2006, 47, 1390-1396.                   | 4.2  | 81           |
| 368 | Asymmetrically functional surface properties on biocompatible phospholipid polymer membrane for bioartificial kidney. Journal of Biomedical Materials Research - Part A, 2006, 77A, 19-27.       | 4.3  | 53           |
| 369 | Stress response of adherent cells on a polymer blend surface composed of a segmented polyurethane and MPC copolymers. Journal of Biomedical Materials Research - Part A, 2006, 79A, 476-484.     | 4.3  | 45           |
| 370 | Enzymatic photochemical sensing using luciferase-immobilized polymer nanoparticles covered with artificial cell membrane. Journal of Biomaterials Science, Polymer Edition, 2006, 17, 1347-1357. | 3.4  | 20           |
| 371 | Preparation of Phospholipid Polylners and Their Properties as Polymer Hydrogel Membranes. Polymer Journal, 2005, 22, 355-360.  | 2.5  | 949          |
| 372 | Facilitated Disassembly of Polyplexes Composed of Self-assembling Amphiphilic Polycations Enhances the Gene Transfer Efficacy. Chemistry Letters, 2005, 34, 1478-1479.                           | 1.1  | 11           |
| 373 | Network structure of spontaneously forming physically cross-link hydrogel composed of two-water soluble phospholipid polymers. Polymer, 2005, 46, 4704-4713.                                     | 4.2  | 20           |
| 374 | In situ modification on cellulose acetate hollow fiber membrane modified with phospholipid polymer for biomedical application. Journal of Membrane Science, 2005, 249, 133-141.                  | 8.4  | 59           |
| 375 | Design of functional hollow fiber membranes modified with phospholipid polymers for application in total hemopurification system. Biomaterials, 2005, 26, 5032-5041.                             | 12.3 | 47           |
| 376 | Spontaneously forming hydrogel from water-soluble random- and block-type phospholipid polymers. Biomaterials, 2005, 26, 6853-6862.   | 12.3 | 28           |
| 377 | Phospholipid polymer surfaces reduce bacteria and leukocyte adhesion under dynamic flow conditions. Journal of Biomedical Materials Research - Part A, 2005, 73A, 359-366.                       | 4.3  | 55           |
| 378 | Molecular design of reactive amphiphilic phospholipid polymer for bioconjugation with an enzyme. Journal of Applied Polymer Science, 2005, 95, 615-622.  | 2.7  | 18           |

| #   | ARTICLE   | IF   | PR CITATIONS |
|-----|---|------|--------------|
| 379 | Photo-immobilization of a phospholipid polymer for surface modification. <i>Biomaterials</i> , 2005, 26, 1381-1388.   | 12.3 | 78           |
| 380 | Synthesis of sequence-controlled copolymers from extremely polar and apolar monomers by living radical polymerization and their phase-separated structures. <i>Journal of Polymer Science Part A</i> , 2005, 43, 6073-6083.   | 2.3  | 77           |
| 381 | Adsorption of Fibrinogen and Lysozyme on Silicon Grafted with Poly(2-methacryloyloxyethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 5980-5987.   | 3.6  | 359          |
| 382 | Cell Engineering Biointerface Focusing on Cytocompatibility Using Phospholipid Polymer with an Isomeric Oligo(lactic acid) Segment. <i>Biomacromolecules</i> , 2005, 6, 1797-1802.  | 5.2  | 24           |
| 383 | Synthesis of Well-Defined Amphiphilic Block Copolymers Having Phospholipid Polymer Sequences as a Novel Biocompatible Polymer Micelle Reagent. <i>Biomacromolecules</i> , 2005, 6, 663-670.   | 5.2  | 193          |
| 384 | Artificial Biomembrane Approach for Tissue Regeneration. <i>Hyomen Kagaku</i> , 2004, 25, 23-29.  | 0.1  | 1            |
| 385 | Surface characteristics of block-type copolymer composed of semi-fluorinated and phospholipid segments synthesized by living radical polymerization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2004, 15, 1153-1166.   | 3.4  | 13           |
| 386 | Surface grafting of artificial joints with a biocompatible polymer for preventing periprosthetic osteolysis. <i>Nature Materials</i> , 2004, 3, 829-836.  | 35.2 | 569          |
| 387 | The characteristics of spontaneously forming physically cross-linked hydrogels composed of two water-soluble phospholipid polymers for oral drug delivery carrier I: hydrogel dissolution and insulin release under neutral pH condition. <i>European Journal of Pharmaceutical Sciences</i> , 2004, 23, 261-270. | 4.4  | 46           |
| 388 | Effect of water-soluble phospholipid polymers conjugated with papain on the enzymatic stability. <i>Biomaterials</i> , 2004, 25, 71-76.   | 12.3 | 52           |
| 389 | Polyethylene/phospholipid polymer alloy as an alternative to poly(vinylchloride)-based materials. <i>Biomaterials</i> , 2004, 25, 1115-1122.  | 12.3 | 37           |
| 390 | Highly stabilized papain conjugated with water-soluble phospholipid polymer chain having a reacting terminal group. <i>Journal of Applied Polymer Science</i> , 2004, 91, 827-832.  | 2.7  | 18           |
| 391 | Modeling of swelling and drug release behavior of spontaneously forming hydrogels composed of phospholipid polymers. <i>International Journal of Pharmaceutics</i> , 2004, 275, 259-269.  | 4.8  | 57           |
| 392 | Dynamic motion of phosphorylcholine groups at the surface of poly(2-methacryloyloxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 T Science, 2004, 274, 465-471.   | 9.9  | 38           |
| 393 | Synthesis of hydrophilic cross-linker having phosphorylcholine-like linkage for improvement of hydrogel properties. <i>Polymer</i> , 2004, 45, 7499-7504.   | 4.2  | 50           |
| 394 | Nano-scale surface modification of a segmented polyurethane with a phospholipid polymer. <i>Biomaterials</i> , 2004, 25, 5353-5361.   | 12.3 | 55           |
| 395 | An enzyme-immobilization method for integration of biofunctions on a microchip using a water-soluble amphiphilic phospholipid polymer having a reacting group. <i>Lab on A Chip</i> , 2004, 4, 4.   | 5.2  | 55           |
| 396 | Hydrogen-bonding-driven spontaneous gelation of water-soluble phospholipid polymers in aqueous medium. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2004, 15, 631-644.   | 3.4  | 32           |

| #   | ARTICLE   | IF   | PR CITATIONS |
|-----|---|------|--------------|
| 397 | Evaluation of 2-Methacryloyloxyethyl Phosphorylcholine Polymeric Nanoparticle for Immunoassay of C-Reactive Protein Detection. <i>Analytical Chemistry</i> , 2004, 76, 2649-2655.                                       | 6.5  | 92           |
| 398 | Regulation of Enzyme-Substrate Complexation by a Substrate Conjugated with a Phospholipid Polymer. <i>Biomacromolecules</i> , 2004, 5, 858-862.   | 5.2  | 31           |
| 399 | A Water-Soluble Phospholipid Polymer as a New Biocompatible Synthetic DNA Carrier. <i>Bulletin of the Chemical Society of Japan</i> , 2004, 77, 2283-2288.  | 3.7  | 18           |
| 400 | Phosphorylcholine-containing polymers for biomedical applications. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 381, 534-546.  | 3.5  | 323          |
| 401 | In vitro and ex vivo blood compatibility study of 2-methacryloyloxyethyl phosphorylcholine (MPC) copolymer-coated hemodialysis hollow fibers. <i>Journal of Artificial Organs</i> , 2003, 6, 260-266.                   | 1.1  | 36           |
| 402 | Suppression of the inflammatory response from adherent cells on phospholipid polymers. <i>Journal of Biomedical Materials Research Part B</i> , 2003, 64A, 411-416.   | 3.4  | 93           |
| 403 | Enhanced solubility of paclitaxel using water-soluble and biocompatible 2-methacryloyloxyethyl phosphorylcholine polymers. <i>Journal of Biomedical Materials Research - Part A</i> , 2003, 65A, 209-214.               | 4.3  | 162          |
| 404 | Biodegradable Phosphorylcholine Polymer Hydrogels Cross-Linked with Vinyl-Functionalized Polyphosphate. <i>Macromolecular Bioscience</i> , 2003, 3, 238-242.  | 4.0  | 20           |
| 405 | Domain-controlled polymer alloy composed of segmented polyurethane and phospholipid polymer for biomedical applications. <i>Science and Technology of Advanced Materials</i> , 2003, 4, 523-530.                        | 6.2  | 17           |
| 406 | Platelet compatible blood filtration fabrics using a phosphorylcholine polymer having high surface mobility. <i>Biomaterials</i> , 2003, 24, 3599-3604.   | 12.3 | 53           |
| 407 | Degradation of phospholipid polymer hydrogel by hydrogen peroxide aiming at insulin release device. <i>Biomaterials</i> , 2003, 24, 5183-5190.  | 12.3 | 49           |
| 408 | Molecular recognition of alcohol by volume phase transition of cross-linked poly(2-methacryloyloxyethyl phosphorylcholine) gel. <i>Science and Technology of Advanced Materials</i> , 2003, 4, 93-98.                   | 6.2  | 29           |
| 409 | Surface mobility of polymers having phosphorylcholine groups connected with various bridging units and their protein adsorption-resistance properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003, 28, 53-62. | 5.4  | 60           |
| 410 | Phosphorylcholine and Poly(D,L-lactic acid) Containing Copolymers as Substrates for Cell Adhesion. <i>Artificial Organs</i> , 2003, 27, 242-248.  | 1.8  | 29           |
| 411 | Structure of Water in the Vicinity of Phospholipid Analogue Copolymers As Studied by Vibrational Spectroscopy. <i>Langmuir</i> , 2003, 19, 10260-10266.   | 3.6  | 149          |
| 412 | Importance of a biofouling-resistant phospholipid polymer to create a heparinized blood-compatible surface. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2002, 13, 323-335.                                | 3.4  | 9            |
| 413 | pH-modulated release of insulin entrapped in a spontaneously formed hydrogel system composed of two water-soluble phospholipid polymers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2002, 13, 1259-1269. | 3.4  | 22           |
| 414 | Stereocomplex Formation by Enantiomeric Poly(lactic acid) Graft-Type Phospholipid Polymers for Tissue Engineering. <i>Biomacromolecules</i> , 2002, 3, 1109-1114.   | 5.2  | 49           |

| #   | ARTICLE   | IF   | PR CITATIONS |
|-----|---|------|--------------|
| 415 | Cell Adhesion and Morphology in Porous Scaffold Based on Enantiomeric Poly(lactic acid) Graft-type Phospholipid Polymers. <i>Biomacromolecules</i> , 2002, 3, 1375-1383.  | 5.2  | 63           |
| 416 | Characterization of the Spontaneously Forming Hydrogels Composed of Water-Soluble Phospholipid Polymers. <i>Biomacromolecules</i> , 2002, 3, 100-105.   | 5.2  | 40           |
| 417 | Preparation of cross-linked biocompatible poly(2-methacryloyloxyethyl phosphorylcholine) gel and its strange swelling behavior in water/ethanol mixture. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2002, 13, 213-224. | 3.4  | 70           |
| 418 | Thermal property and processability of elastomeric polymer alloy composed of segmented polyurethane and phospholipid polymer. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 62, 214-221.                             | 3.4  | 14           |
| 419 | Stabilized liposomes with phospholipid polymers and their interactions with blood cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2002, 25, 325-333.   | 5.4  | 17           |
| 420 | Protein Adsorption-Resistant Hollow Fibers for Blood Purification. <i>Artificial Organs</i> , 2002, 26, 1014-1019.  | 1.8  | 40           |
| 421 | Biocompatible polymer alloy membrane for implantable artificial pancreas. <i>Journal of Membrane Science</i> , 2002, 208, 39-48.  | 8.4  | 34           |
| 422 | The vascular prosthesis without pseudointima prepared by antithrombogenic phospholipid polymer. <i>Biomaterials</i> , 2002, 23, 1455-1459.  | 12.3 | 72           |
| 423 | Reduction of surface-induced inflammatory reaction on PLGA/MPC polymer blend. <i>Biomaterials</i> , 2002, 23, 3897-3903.  | 12.3 | 121          |
| 424 | Physical properties and blood compatibility of surface-modified segmented polyurethane by semi-interpenetrating polymer networks with a phospholipid polymer. <i>Biomaterials</i> , 2002, 23, 4881-4887.                              | 12.3 | 71           |
| 425 | Preparation and performance of protein-adsorption-resistant asymmetric porous membrane composed of polysulfone/phospholipid polymer blend. <i>Biomaterials</i> , 2001, 22, 243-251.   | 12.3 | 130          |
| 426 | Preparation of nanoparticles composed with bioinspired 2-methacryloyloxyethyl phosphorylcholine polymer. <i>Biomaterials</i> , 2001, 22, 1883-1889.   | 12.3 | 109          |
| 427 | Preservation of platelet function on 2-methacryloyloxyethyl phosphorylcholine-graft polymer as compared to various water-soluble graft polymers. <i>Journal of Biomedical Materials Research Part B</i> , 2001, 57, 72-78.            | 3.4  | 61           |
| 428 | Electroosmosis injection of blood serum into biocompatible microcapillary chip fabricated on quartz plate. <i>Electrophoresis</i> , 2001, 22, 341-347.  | 2.6  | 37           |
| 429 | Water-Soluble 2-Methacryloyloxyethyl Phosphorylcholine Copolymer as a Novel Synthetic Blocking Reagent in Immunoassay System. <i>Polymer Journal</i> , 2000, 32, 637-641.   | 2.5  | 41           |
| 430 | Synthesis of novel phospholipid polymers by polycondensation. <i>Macromolecular Rapid Communications</i> , 2000, 21, 287-290.   | 4.1  | 10           |
| 431 | Restoration of segmental bone defects in rabbit radius by biodegradable capsules containing recombinant human bone morphogenetic protein-2. , 2000, 50, 191-198.  |      | 37           |
| 432 | In vivo evaluation of the bond strength of adhesive 4-META/MMA-TBB bone cement under weight-bearing conditions. <i>Journal of Biomedical Materials Research Part B</i> , 2000, 52, 128-134.   | 3.4  | 19           |

| #   | ARTICLE  | IF   | PR CITATIONS |
|-----|--|------|--------------|
| 433 | Prevention of fibrous layer formation between bone and adhesive bone cement: In vivo evaluation of bone impregnation with 4-META/MMA-TBB cement. <i>Journal of Biomedical Materials Research Part B</i> , 2000, 52, 24-29.                                       | 3.4  | 9            |
| 434 | Semi-interpenetrating polymer networks composed of biocompatible phospholipid polymer and segmented polyurethane. <i>Journal of Biomedical Materials Research Part B</i> , 2000, 52, 701-708.  | 3.4  | 56           |
| 435 | Graft copolymers having hydrophobic backbone and hydrophilic branches. XXX. Preparation of polystyrene-core nanospheres having a poly(2-methacryloyloxyethyl phosphorylcholine) corona. <i>Journal of Polymer Science Part A</i> , 2000, 38, 3052-3058.          | 2.3  | 29           |
| 436 | Biocompatible elastomers composed of segmented polyurethane and 2-methacryloyloxyethyl phosphorylcholine polymer. <i>Polymers for Advanced Technologies</i> , 2000, 11, 626-634.   | 3.3  | 24           |
| 437 | Small Diameter Vascular Prosthesis with a Nonthrombogenic Phospholipid Polymer Surface: Preliminary Study of a New Concept for Functioning in the Absence of Pseudo- or Neointima Formation. <i>Artificial Organs</i> , 2000, 24, 23-28.                         | 1.8  | 53           |
| 438 | Photoinduced graft polymerization of 2-methacryloyloxyethyl phosphorylcholine on polyethylene membrane surface for obtaining blood cell adhesion resistance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2000, 18, 325-335.                                  | 5.4  | 191          |
| 439 | Biocompatibility of MPC: in vivo evaluation for clinical application. <i>Journal of Artificial Organs</i> , 2000, 3, 39-46.  | 1.1  | 15           |
| 440 | Antithrombogenic polymer alloy composed of 2-methacryloyloxyethyl phosphorylcholine polymer and segmented polyurethane. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2000, 11, 1183-1195.   | 3.4  | 36           |
| 441 | Raman Spectroscopic Study on the Structure of Water in Aqueous Polyelectrolyte Solutions. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11425-11429.   | 2.7  | 161          |
| 442 | Modification of polysulfone with phospholipid polymer for improvement of the blood compatibility. Part 2. Protein adsorption and platelet adhesion. <i>Biomaterials</i> , 1999, 20, 1553-1559.   | 12.3 | 214          |
| 443 | Modification of polysulfone with phospholipid polymer for improvement of the blood compatibility. Part 1. Surface characterization. <i>Biomaterials</i> , 1999, 20, 1545-1551.   | 12.3 | 161          |
| 444 | The effect of the chemical structure of the phospholipid polymer on fibronectin adsorption and fibroblast adhesion on the gradient phospholipid surface. <i>Biomaterials</i> , 1999, 20, 2185-2191.  | 12.3 | 80           |
| 445 | Title is missing!. <i>Biomedical Microdevices</i> , 1999, 1, 155-166.  | 2.7  | 10           |
| 446 | Chemical modification of silk fibroin with 2-methacryloyloxyethyl phosphorylcholine I. Graft-polymerization onto fabric using ammonium persulfate and interaction between fabric and platelets. <i>Journal of Applied Polymer Science</i> , 1999, 73, 2541-2544. | 2.7  | 31           |
| 447 | Total hip arthroplasty using bone cement containing tri-n-butylborane as the initiator. , 1999, 48, 759-763.   |      | 10           |
| 448 | The role of recombinant human bone morphogenetic protein-2 in PLGA capsules at an extraskeletal site of the rat. , 1999, 45, 36-41.  |      | 37           |
| 449 | Behavior of blood cells in contact with water-soluble phospholipid polymer. , 1999, 46, 360-367.   |      | 25           |
| 450 | Stabilization of an antibody conjugated with enzyme by 2-methacryloyloxyethyl phosphorylcholine copolymer in enzyme-linked immunosorbent assay. , 1999, 47, 523-528.   |      | 39           |

| #   | ARTICLE  | IF  | PR CITATIONS |
|-----|--|-----|--------------|
| 451 | Improvement of blood compatibility on cellulose hemodialysis membrane: IV. Phospholipid polymer bonded to the membrane surface. Journal of Biomaterials Science, Polymer Edition, 1999, 10, 271-282.   | 3.4 | 47           |
| 452 | Competitive adsorption between phospholipid and plasma protein on a phospholipid polymer surface. Journal of Biomaterials Science, Polymer Edition, 1999, 10, 513-529.   | 3.4 | 22           |
| 453 | Inhibition of fibroblast cell adhesion on substrate by coating with 2-methacryloyloxyethyl phosphorylcholine polymers. Journal of Biomaterials Science, Polymer Edition, 1999, 10, 1047-1061.  | 3.4 | 155          |
| 454 | Polymeric Lipid Nanosphere Consisting of Water-Soluble Poly(2-methacryloyloxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (ph  | 2.5 | 108          |
| 455 | Why do phospholipid polymers reduce protein adsorption?. Journal of Biomedical Materials Research Part B, 1998, 39, 323-330.   | 3.4 | 948          |
| 456 | Platelet adhesion on the gradient surfaces grafted with phospholipid polymer. Journal of Biomaterials Science, Polymer Edition, 1998, 9, 801-816.  | 3.4 | 44           |
| 457 | Reduced Protein Adsorption on Novel Phospholipid Polymers. Journal of Biomaterials Applications, 1998, 13, 111-127.  | 2.5 | 85           |
| 458 | Effect of reduced protein adsorption on platelet adhesion at the phospholipid polymer surfaces. Journal of Biomaterials Science, Polymer Edition, 1997, 8, 151-163.  | 3.4 | 47           |
| 459 | Protein adsorption and platelet adhesion on polymer surfaces having phospholipid polar group connected with oxyethylene chain. Journal of Biomaterials Science, Polymer Edition, 1997, 8, 91-102.  | 3.4 | 30           |
| 460 | Enhanced strength in cemented stem fixation using adhesive acrylic cement as a metal coating material. , 1997, 34, 171-175.  |     | 12           |
| 461 | Reduction of surface-induced platelet activation on phospholipid polymer. Journal of Biomedical Materials Research Part B, 1997, 36, 508-515.  | 3.4 | 83           |
| 462 | Nonthrombogenic polymers -designs and evaluation. Macromolecular Symposia, 1996, 101, 405-412.   | 0.8 | 17           |
| 463 | Synthesis of polymers having a phospholipid polar group connected to a poly(oxyethylene) chain and their protein adsorption-resistance properties. Journal of Polymer Science Part A, 1996, 34, 199-205.   | 2.3 | 47           |
| 464 | Ectopic induction of cartilage and bone by bovine bone morphogenetic protein using a biodegradable polymeric reservoir. , 1996, 30, 1-4.   |     | 32           |
| 465 | Improved blood compatibility of segmented polyurethanes by polymeric additives having phospholipid polar groups. I. Molecular design of polymeric additives and their functions. , 1996, 32, 391-399.  |     | 110          |
| 466 | Improved blood compatibility of segmented polyurethane by polymeric additives having phospholipid polar group. II. Dispersion state of the polymeric additive and protein adsorption on the surface. Journal of Biomedical Materials Research Part B, 1996, 32, 401-408.               | 3.4 | 58           |
| 467 | Bone morphogenetic protein encapsulated with a biodegradable and biocompatible polymer. , 1996, 32, 433-438.   |     | 66           |
| 468 | Improvement of blood compatibility on cellulose dialysis membrane. III. Synthesis and performance of water-soluble cellulose grafted with phospholipid polymer as coating material on cellulose dialysis membrane. Journal of Biomedical Materials Research Part B, 1995, 29, 181-188. | 3.4 | 59           |

| #   | ARTICLE   | IF   | PR CITATIONS |
|-----|---|------|--------------|
| 469 | Adsorption-Desorption of proteins on phospholipid polymer surfaces evaluated by dynamic contact angle measurement. <i>Journal of Biomedical Materials Research Part B</i> , 1995, 29, 381-387.                                    | 3.4  | 55           |
| 470 | Synthesis of phospholipid polymers having a urethane bond in the side chain as coating material on segmented polyurethane and their platelet adhesion-resistant properties. <i>Biomaterials</i> , 1995, 16, 873-879.              | 12.3 | 150          |
| 471 | Hemocompatible Cellulose Dialysis Membranes Modified with Phospholipid Polymers. <i>Artificial Organs</i> , 1995, 19, 1215-1221.  | 1.8  | 19           |
| 472 | Synthesis of graft copolymers having phospholipid polar group by macromonomer method and their properties in water. <i>Journal of Polymer Science Part A</i> , 1994, 32, 859-867.   | 2.3  | 45           |
| 473 | Assessment of adsorption of liposomes on a phospholipid polymer surface using a quartz crystal microbalance. <i>Macromolecular Rapid Communications</i> , 1994, 15, 319-326.  | 4.1  | 18           |
| 474 | Hemocompatibility on graft copolymers composed of poly(2-methacryloyloxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (phospholipid). <i>Journal of Biomedical Materials Research Part B</i> , 1994, 28, 225-232.            | 3.4  | 130          |
| 475 | Selective adhesion of platelets on a polyion complex composed of phospholipid polymers containing sulfonate groups and quarternary ammonium groups. <i>Journal of Biomedical Materials Research Part B</i> , 1994, 28, 1347-1355. | 3.4  | 34           |
| 476 | Improvement of Hemocompatibility on a Cellulose Dialysis Membrane with a Novel Biomedical Polymer Having a Phospholipid Polar Group. <i>Artificial Organs</i> , 1994, 18, 559-564.  | 1.8  | 48           |
| 477 | Effects of phospholipid adsorption on nonthrombogenicity of polymer with phospholipid polar group. <i>Journal of Biomedical Materials Research Part B</i> , 1993, 27, 1309-1314.  | 3.4  | 76           |
| 478 | Ferrocene-mediated needle-type glucose sensor covered with newly designed biocompatible membrane. <i>Sensors and Actuators B: Chemical</i> , 1993, 13, 319-322.   | 7.7  | 28           |
| 479 | Preparation and Visible Light Polymerization of Triethyleneglycol Acrylate Methacrylate.. <i>Polymer Journal</i> , 1992, 24, 357-363.   | 2.5  | 6            |
| 480 | Preparation of 2-Methacryloyloxyethyl Phosphorylcholine Copolymers with Alkyl Methacrylates and Their Blood Compatibility.. <i>Polymer Journal</i> , 1992, 24, 1259-1269.   | 2.5  | 367          |
| 481 | Protein adsorption on biomedical polymers with a phosphorylcholine moiety adsorbed with phospholipid. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1992, 3, 185-194.   | 3.4  | 48           |
| 482 | Protein adsorption resistible membrane for biosensor composed of polymer with phospholipid polar group. <i>Journal of Polymer Science Part A</i> , 1992, 30, 929-932.   | 2.3  | 18           |
| 483 | Improvement of blood compatibility on cellulose dialysis membrane I. Grafting of 2-methacryloyloxyethyl phosphorylcholine on to a cellulose membrane surface. <i>Biomaterials</i> , 1992, 13, 145-149.                            | 12.3 | 71           |
| 484 | Improvement of blood compatibility on cellulose dialysis membrane2. Blood compatibility of phospholipid polymer grafted cellulose membrane. <i>Biomaterials</i> , 1992, 13, 235-239.  | 12.3 | 67           |
| 485 | Adhesive bone cement containing hydroxyapatite particle as bone compatible filler. <i>Journal of Biomedical Materials Research Part B</i> , 1992, 26, 937-945.  | 3.4  | 101          |
| 486 | Hemocompatibility of human whole blood on polymers with a phospholipid polar group and its mechanism. <i>Journal of Biomedical Materials Research Part B</i> , 1992, 26, 1543-1552.   | 3.4  | 411          |

| #   | ARTICLE   | IF  | PR CITATIONS |
|-----|---|-----|--------------|
| 487 | Protein adsorption from human plasma is reduced on phospholipid polymers. Journal of Biomedical Materials Research Part B, 1991, 25, 1397-1407.   | 3.4 | 451          |
| 488 | Specific interaction between water-soluble phospholipid polymer and liposome. Journal of Polymer Science Part A, 1991, 29, 831-835.   | 2.3 | 23           |
| 489 | Reduced thrombogenicity of polymers having phospholipid polar groups. Journal of Biomedical Materials Research Part B, 1990, 24, 1069-1077.   | 3.4 | 382          |
| 490 | Title is missing!. Die Makromolekulare Chemie, 1990, 191, 2103-2110.  | 1.2 | 16           |
| 491 | Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1990, 11, 345-348.  | 0.0 | 13           |
| 492 | Adhesive bone cement both to bone and metals: 4-META in MMA initiated with tri-n-butyl borane. Journal of Biomedical Materials Research Part B, 1989, 23, 1475-1482.  | 3.4 | 43           |
| 493 | Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1989, 10, 255-258.  | 0.0 | 24           |
| 494 | Preparation and permeability of urea-responsive polymer membrane consisting of immobilized urease and poly(aromatic carboxylic acid). Journal of Polymer Science, Polymer Letters Edition, 1985, 23, 531-535.                                     | 0.0 | 16           |
| 495 | pH-induced reversible permeability control of the 4-carboxy acrylanilide-methyl methacrylate copolymer membrane. Journal of Polymer Science: Polymer Chemistry Edition, 1985, 23, 2841-2850.  | 0.8 | 16           |
| 496 | Design of polymer membrane with permselectivity for water-ethanol mixture. II. Preparation of crosslinked poly(methyl acrylate) membrane with diethylene triamine and its permselectivity. Journal of Applied Polymer Science, 1985, 30, 179-188. | 2.7 | 38           |
| 497 | Glucose Induced Permeation Control of Insulin through a Complex Membrane Consisting of Immobilized Glucose Oxidase and a Poly(amine). Polymer Journal, 1984, 16, 625-631.   | 2.5 | 257          |
| 498 | Controlled release of organic substances using polymer membrane with responsive function for amino compounds. Journal of Applied Polymer Science, 1984, 29, 211-217.  | 2.7 | 89           |
| 499 | Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1984, 5, 459-462.   | 0.0 | 4            |
| 500 | Photoinduced permeation control of proteins using amphiphilic azoaromatic polymer membrane. Journal of Polymer Science, Polymer Letters Edition, 1984, 22, 515-518.   | 0.0 | 22           |
| 501 | Photoinduced swelling control of amphiphilic azoaromatic polymer membrane. Journal of Polymer Science: Polymer Chemistry Edition, 1984, 22, 121-128.  | 0.8 | 61           |
| 502 | Photoinduced reversible pH change in aqueous solution of azoaromatic poly(carboxylic acid). Journal of Polymer Science: Polymer Chemistry Edition, 1984, 22, 3687-3695.   | 0.8 | 10           |
| 503 | Preparation of photoresponsive polymeric adsorbent containing amphiphilic polymer with azobenzene moiety and its application for cell adhesion chromatography. Journal of Applied Polymer Science, 1983, 28, 1321-1329.                           | 2.7 | 24           |
| 504 | Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1983, 4, 327-331.   | 0.0 | 90           |

| #   | ARTICLE  | IF  | PR CITATIONS |
|-----|--|-----|--------------|
| 505 | Permselectivity of Liquidâ€“Polymer Hybrid Membrane Composed of Carbon Tetrachloride and 2-Hydroxyethyl Acrylateâ€“ Acrylonitrile Graft Copolymer for Ethanolâ€“Water Mixture. Polymer Journal, 1983, 15, 827-834. | 2.5 | 22           |
| 506 | Photo-induced change in wettability and binding ability of azoaromatic polymers. Journal of Applied Polymer Science, 1982, 27, 239-245.  | 2.7 | 62           |
| 507 | Photocontrolled adsorption chromatography for lysozyme using azoaromatic polymer. Journal of Applied Polymer Science, 1982, 27, 1897-1902.   | 2.7 | 24           |
| 508 | Separation of proteins by polymeric adsorbents containing azobenzene moiety as a ligand. Journal of Applied Polymer Science, 1982, 27, 4273-4282.  | 2.7 | 18           |
| 509 | Preparation of polymer membranes with responsive function for amino compounds. Polymer Bulletin, 1982, 7, 457-463.   | 3.2 | 10           |
| 510 | Complex formation of amphiphilic polymers with azo dyes and their photoviscosity behavior. Journal of Polymer Science: Polymer Chemistry Edition, 1982, 20, 1907-1916.   | 0.8 | 20           |
| 511 | Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1981, 2, 95-98.  | 0.0 | 13           |
| 512 | Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1981, 2, 617-620.  | 0.0 | 13           |
| 513 | Adsorption of photochromic azo dye onto styrene-divinylbenzene copolymer. Journal of Polymer Science, Polymer Letters Edition, 1981, 19, 593-597.  | 0.0 | 10           |
| 514 | Photoregulated binding ability of azoaromatic polymer for surfactant. Journal of Polymer Science: Polymer Chemistry Edition, 1981, 19, 3039-3046.  | 0.8 | 10           |