

# Kazuhiko Ishihara

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4404968/kazuhiko-ishihara-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

577  
papers

20,689  
citations

68  
h-index

117  
g-index

595  
ext. papers

22,182  
ext. citations

5.7  
avg, IF

7.06  
L-index

#	Paper	IF	Citations
577	Efficacy of hydrated phospholipid polymer interfaces between all-polymer bearings for total hip arthroplasty. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2022</b> , 110, 89-102	3.5	1
576	Transepithelial delivery of insulin conjugated with phospholipid-mimicking polymers via biomembrane fusion-mediated transcellular pathways.. <i>Acta Biomaterialia</i> , <b>2021</b> , 140, 674-674	10.8	0
575	Preparation of Magnetic Hydrogel Microparticles with Cationic Surfaces and Their Cell-Assembling Performance. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 5107-5117	5.5	
574	Intravenous Administration of Dehydroxymethylepoxyquinomicin With Polymer Enhances the Inhibition of Pancreatic Carcinoma Growth in Mice. <i>Anticancer Research</i> , <b>2021</b> , 41, 6003-6012	2.3	2
573	Nanoscaled Morphology and Mechanical Properties of a Biomimetic Polymer Surface on a Silicone Hydrogel Contact Lens. <i>Langmuir</i> , <b>2021</b> , 37, 13961-13967	4	2
572	Direct photoreactive immobilization of water-soluble phospholipid polymers on substrates in an aqueous environment. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 199, 111507	6	1
571	Effects of Initially Adsorbed Proteins on Substrate Surfaces during Multilayer Heterogeneous Protein Adsorption. <i>Langmuir</i> , <b>2021</b> , 37, 3897-3902	4	2
570	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> , <b>2021</b> , 199, 111539	6	11
569	Exogenous Cell Surface Modification with Cell Penetrating Peptide-Conjugated Lipids Causes Spontaneous Cell Adhesion.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 4598-4606	4.1	0
568	Facile preparation of water-soluble multiwalled carbon nanotubes bearing phosphorylcholine groups for heat generation under near-infrared irradiation. <i>Polymer Journal</i> , <b>2021</b> , 53, 1001-1009	2.7	0
567	Anticancer Activity of Cell-Penetrating Redox Phospholipid Polymers.. <i>ACS Macro Letters</i> , <b>2021</b> , 10, 926-932	3.2	0
566	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> , <b>2021</b> , 32, 419-437	3.5	1
565	Biomimetic phospholipid polymers for suppressing adsorption of saliva proteins on dental hydroxyapatite substrate. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 49812	2.9	5
564	Thermo-Responsive Behavior of Mixed Aqueous Solution of Hydrophilic Polymer with Pendant Phosphorylcholine Group and Poly(Acrylic Acid). <i>Polymers</i> , <b>2021</b> , 13,	4.5	2
563	Cell Surface Functionalization with Heparin-Conjugated Lipid to Suppress Blood Activation. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008167	15.6	3
562	Zwitterionized Nanofibrous Poly(vinylidene fluoride) Membranes for Improving the Healing of Diabetic Wounds. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 562-576	5.5	3
561	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> , <b>2021</b> ,	7.3	2

560	Functional coatings for lab-on-a-chip systems based on phospholipid polymers <b>2021</b> , 555-595		2
559	Antifouling Silicone Hydrogel Contact Lenses with a Bioinspired 2-Methacryloyloxyethyl Phosphorylcholine Polymer Surface. <i>ACS Omega</i> , <b>2021</b> , 6, 7058-7067	3.9	10
558	Adhesion of Flk1-expressing cells under shear flow in phospholipid polymer-coated immunoaffinity channels. <i>Journal of Micromechanics and Microengineering</i> , <b>2021</b> , 31, 045012	2	3
557	Induction of Spontaneous Liposome Adsorption by Exogenous Surface Modification with Cell-Penetrating Peptide-Conjugated Lipids. <i>Langmuir</i> , <b>2021</b> , 37, 9711-9723	4	0
556	Chemical Structural Effects of Amphipathic and Water-soluble Phospholipid Polymers on Formulation of Solid Dispersions. <i>Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 110, 2966-2973	3.9	1
555	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> , <b>2021</b> , 18, 953-962	4.5	0
554	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> , <b>2021</b> , 129, 112381	8.3	2
553	Control of Cell-Substrate Binding Related to Cell Proliferation Cycle Status Using a Cytocompatible Phospholipid Polymer Bearing Phenylboronic Acid Groups. <i>Macromolecular Bioscience</i> , <b>2021</b> , 21, e2000347	5.5	1
552	Synthesis of poly(2-methacryloyloxyethyl phosphorylcholine)-conjugated lipids and their characterization and surface properties of modified liposomes for protein interactions. <i>Biomaterials Science</i> , <b>2021</b> , 9, 5854-5867	7.4	3
551	Identification of Metal-Binding Peptides and Their Conjugation onto Nanoparticles of Superparamagnetic Iron Oxides and Liposomes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 24623-24634	9.5	3
550	Phospholipid Polymer Hydrogel Matrices with Dually Immobilized Cytokines for Accelerating Secretion of the Extracellular Matrix by Encapsulated Cells. <i>Macromolecular Bioscience</i> , <b>2020</b> , 20, e2000114	5.5	2
549	Antibacterial effect of nanometer-size grafted layer of quaternary ammonium polymer on poly(ether ether ketone) substrate. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 49088	2.9	5
548	Effects of molecular interactions at various polymer brush surfaces on fibronectin adsorption induced cell adhesion. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 194, 111205	6	11
547	Polymeric Nanocarriers with Controlled Chain Flexibility Boost mRNA Delivery In Vivo through Enhanced Structural Fastening. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e2000538	10.1	17
546	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> , <b>2020</b> , 195, 111215	6	4
545	Photoinduced self-initiated graft polymerization of methacrylate monomers on poly(ether ether ketone) substrates and surface parameters for controlling cell adhesion. <i>Polymer Journal</i> , <b>2020</b> , 52, 731-741	2.7	6
544	Promotion of cell membrane fusion by cell-cell attachment through cell surface modification with functional peptide-PEG-lipids. <i>Biomaterials</i> , <b>2020</b> , 253, 120113	15.6	7
543	Interface of Phospholipid Polymer Grafting Layers to Analyze Functions of Immobilized Oligopeptides Involved in Cell Adhesion. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 3984-3993	5.5	2

542	Spontaneously and reversibly forming phospholipid polymer hydrogels as a matrix for cell engineering. <i>Biomaterials</i> , <b>2020</b> , 230, 119628	15.6	16
541	Formation of stable polydopamine layer on polytetrafluoroethylene substrate by hybrid process involved plasma treatment and spontaneous chemical reactions. <i>Materials Today Communications</i> , <b>2020</b> , 22, 100774	2.5	3
540	Potential of Cell Surface Engineering with Biocompatible Polymers for Biomedical Applications. <i>Langmuir</i> , <b>2020</b> , 36, 12088-12106	4	3
539	Singlet oxygen generation by sonication using a water-soluble fullerene (C60) complex: a potential application for sonodynamic therapy. <i>Polymer Journal</i> , <b>2020</b> , 52, 1387-1394	2.7	4
538	Phospholipid-mimicking cell-penetrating polymers: principles and applications. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 7633-7641	7.3	9
537	Redox-Active Polymers Connecting Living Microbial Cells to an Extracellular Electrical Circuit. <i>Small</i> , <b>2020</b> , 16, e2001849	11	6
536	2-Methacryloyloxyethyl Phosphorylcholine Polymer Coating Inhibits Bacterial Adhesion and Biofilm Formation on a Suture: An and Study. <i>BioMed Research International</i> , <b>2020</b> , 2020, 5639651	3	5
535	Synthesis of Amphiphilic Statistical Copolymers Bearing Methoxyethyl and Phosphorylcholine Groups and Their Self-Association Behavior in Water. <i>Polymers</i> , <b>2020</b> , 12,	4.5	1
534	Water-Soluble and Cytocompatible Phospholipid Polymers for Molecular Complexation to Enhance Biomolecule Transportation to Cells in Vitro. <i>Polymers</i> , <b>2020</b> , 12,	4.5	1
533	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> , <b>2020</b> , 11, 249-253	4.9	11
532	Combination of two antithrombogenic methodologies for preventing thrombus formation on a poly(ether ether ketone) substrate. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 192, 111021	6	2
531	Revolutionary advances in 2-methacryloyloxyethyl phosphorylcholine polymers as biomaterials. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2019</b> , 107, 933-943	5.4	95
530	Interpolymer association of amphiphilic diblock copolymers bearing pendant siloxane and phosphorylcholine groups. <i>Journal of Polymer Science Part A</i> , <b>2019</b> , 57, 1500-1507	2.5	0
529	Bioinspired functionalization of metal surfaces with polymers <b>2019</b> , 383-403		2
528	Synthesis and Properties of Upper Critical Solution Temperature Responsive Nanogels. <i>Langmuir</i> , <b>2019</b> , 35, 7261-7267	4	10
527	Translocation Mechanisms of Cell-Penetrating Polymers Identified by Induced Proton Dynamics. <i>Langmuir</i> , <b>2019</b> , 35, 8167-8173	4	18
526	Self-Association Behavior of Cell Membrane-Inspired Amphiphilic Random Copolymers in Water. <i>Polymers</i> , <b>2019</b> , 11,	4.5	7
525	Hybridization of a phospholipid polymer hydrogel with a natural extracellular matrix using active cell immobilization. <i>Biomaterials Science</i> , <b>2019</b> , 7, 2793-2802	7.4	6

524	Toward Antibiofouling PVDF Membranes. <i>Langmuir</i> , <b>2019</b> , 35, 6782-6792	4	7
523	Modification of human MSC surface with oligopeptide-PEG-lipids for selective binding to activated endothelium. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2019</b> , 107, 1779-1792	5.4	5
522	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> , <b>2019</b> , 135, 113-120	4.6	4
521	Phospholipid Polymer-Grafted Poly(Ether-Ether-Ketone) by Self-Initiated Surface Grafting <b>2019</b> , 249-260		1
520	Exothermic Behavior of Cyanine Dye-Containing Polymer Micelle Irradiated by Near Infrared (NIR) in Water. <i>Kobunshi Ronbunshu</i> , <b>2019</b> , 76, 52-60	0	
519	Photoinduced Surface Zwitterionization for Antifouling of Porous Polymer Substrates. <i>Langmuir</i> , <b>2019</b> , 35, 1312-1319	4	12
518	Hydrated Phospholipid Polymer Gel-Like Layer for Increased Durability of Orthopedic Bearing Surfaces. <i>Langmuir</i> , <b>2019</b> , 35, 1954-1963	4	6
517	pH-Responsive Polyion Complex Vesicle with Polyphosphobetaine Shells. <i>Langmuir</i> , <b>2019</b> , 35, 1249-1256		9
516	Blood-Compatible Surfaces with Phosphorylcholine-Based Polymers for Cardiovascular Medical Devices. <i>Langmuir</i> , <b>2019</b> , 35, 1778-1787	4	80
515	Polyelectrolyte and Antipolyelectrolyte Effects for Dual Salt-Responsive Interpenetrating Network Hydrogels. <i>Biomacromolecules</i> , <b>2019</b> , 20, 3524-3534	6.9	26
514	In situ surface modification on dental composite resin using 2-methacryloyloxyethyl phosphorylcholine polymer for controlling plaque formation. <i>Materials Science and Engineering C</i> , <b>2019</b> , 104, 109916	8.3	13
513	Photoinduced Functionalization on Polymer Surfaces <b>2019</b> , 161-184		2
512	Cell-Membrane Permeable Redox Phospholipid Polymers Induce Apoptosis in MDA-MB-231 Human Breast Cancer Cells. <i>Biomacromolecules</i> , <b>2019</b> , 20, 4447-4456	6.9	5
511	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> , <b>2019</b> , 19, e1800485	5.5	19
510	Short-term evaluation of thromboresistance of a poly(ether ether ketone) (PEEK) mechanical heart valve with poly(2-methacryloyloxyethyl phosphorylcholine) (PMPC)-grafted surface in a porcine aortic valve replacement model. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2019</b> , 107, 1052-1063	5.4	13
509	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> , <b>2019</b> , 86, 338-349	10.8	1
508	Rapid Mussel-Inspired Surface Zwitteration for Enhanced Antifouling and Antibacterial Properties. <i>Langmuir</i> , <b>2019</b> , 35, 1621-1630	4	37
507	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> , <b>2019</b> , 85, 172-179	10.8	30

506	Surface functionalization of polytetrafluoroethylene substrate with hybrid processes comprising plasma treatment and chemical reactions. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 173, 77-84	6	22
505	Polymer coating glass to improve the protein antifouling effect. <i>Polymer Journal</i> , <b>2018</b> , 50, 381-388	2.7	9
504	Reducing fretting-initiated crevice corrosion in hip simulator tests using a zirconia-toughened alumina femoral head. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2018</b> , 106, 2815-2826	3.5	13
503	Reliable surface modification of dental plastic substrates to reduce biofouling with a photoreactive phospholipid polymer. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46512	2.9	7
502	Initial Cell Adhesion onto a Phospholipid Polymer Brush Surface Modified with a Terminal Cell Adhesion Peptide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 15250-15257	9.5	19
501	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> , <b>2018</b> , 3, 1691-1696	0.7	2
500	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> , <b>2018</b> , 79, 203-212	4.1	5
499	Inhibition of denture plaque deposition on complete dentures by 2-methacryloyloxyethyl phosphorylcholine polymer coating: A clinical study. <i>Journal of Prosthetic Dentistry</i> , <b>2018</b> , 119, 67-74	4	15
498	The effects of presence of a backside screw hole on biotribological behavior of phospholipid polymer-grafted crosslinked polyethylene. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2018</b> , 106, 610-618	3.5	2
497	Wear resistance of poly(2-methacryloyloxyethyl phosphorylcholine)-grafted carbon fiber reinforced poly(ether ether ketone) liners against metal and ceramic femoral heads. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2018</b> , 106, 1028-1037	3.5	11
496	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> , <b>2018</b> , 29, 844-862	3.5	21
495	Synthesis of Highly Biocompatible and Temperature-Responsive Physical Gels for Cryopreservation and 3D Cell Culture.. <i>ACS Applied Bio Materials</i> , <b>2018</b> , 1, 356-366	4.1	20
494	Bioinspired Self-Healing Hydrogel Based on Benzoxaborole-Catechol Dynamic Covalent Chemistry for 3D Cell Encapsulation. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 904-908	6.6	105
493	A surface graft polymerization process on chemically stable medical ePTFE for suppressing platelet adhesion and activation. <i>Biomaterials Science</i> , <b>2018</b> , 6, 1908-1915	7.4	26
492	Heteromorphic Polymer Nanoparticles in Response to Rotational Magnetic Fields for Stirring inside Living Cells. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 381, 012040	0.4	
491	Label-Free Separation of Induced Pluripotent Stem Cells with Anti-SSEA-1 Antibody Immobilized Microfluidic Channel. <i>Langmuir</i> , <b>2017</b> , 33, 1576-1582	4	13
490	The unique hydration state of poly(2-methacryloyloxyethyl phosphorylcholine). <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2017</b> , 28, 884-899	3.5	69
489	Complexes Covered with Phosphorylcholine Groups Prepared by Mixing Anionic Diblock Copolymers and Cationic Surfactants. <i>Langmuir</i> , <b>2017</b> , 33, 5236-5244	4	3

488	Water-soluble complex formation of fullerene and thermo-responsive diblock copolymer. <i>Journal of Polymer Science Part A</i> , <b>2017</b> , 55, 2432-2439	2.5	3
487	Preparation of Giant Polyion Complex Vesicles (G-PICsomes) with Polyphosphobetaine Shells Composed of Oppositely Charged Diblock Copolymers. <i>Chemistry Letters</i> , <b>2017</b> , 46, 824-827	1.7	5
486	Near-Infrared Photoluminescent Carbon Nanotubes for Imaging of Brown Fat. <i>Scientific Reports</i> , <b>2017</b> , 7, 44760	4.9	55
485	Simultaneous patterning of proteins and cells through bioconjugation with photoreactable phospholipid polymers. <i>RSC Advances</i> , <b>2017</b> , 7, 40669-40672	3.7	
484	Molecular integration on phospholipid polymer-coated magnetic beads for gene expression analysis in cells. <i>Reactive and Functional Polymers</i> , <b>2017</b> , 119, 125-133	4.6	6
483	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> , <b>2017</b> , 123, 100-106	3.9	2
482	Protein Adsorption Process Based on Molecular Interactions at Well-Defined Polymer Brush Surfaces <b>2017</b> , 405-419		
481	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> , <b>2017</b> , 10, 35-41	2.3	1
480	Solubilization of poorly water-soluble compounds using amphiphilic phospholipid polymers with different molecular architectures. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 158, 249-256	6	17
479	Sandwich-type PLLA-nanosheets loaded with BMP-2 induce bone regeneration in critical-sized mouse calvarial defects. <i>Acta Biomaterialia</i> , <b>2017</b> , 59, 12-20	10.8	23
478	Reduced Blood Cell Adhesion on Polypropylene Substrates through a Simple Surface Zwitterionization. <i>Langmuir</i> , <b>2017</b> , 33, 611-621	4	38
477	A hydrated phospholipid polymer-grafted layer prevents lipid-related oxidative degradation of cross-linked polyethylene. <i>Biomaterials</i> , <b>2017</b> , 112, 122-132	15.6	13
476	Clinical safety and wear resistance of the phospholipid polymer-grafted highly cross-linked polyethylene liner. <i>Journal of Orthopaedic Research</i> , <b>2017</b> , 35, 2007-2016	3.8	19
475	Polyion Complex Vesicles with Solvated Phosphobetaine Shells Formed from Oppositely Charged Diblock Copolymers. <i>Polymers</i> , <b>2017</b> , 9,	4.5	15
474	The Noninvasive Treatment for Sentinel Lymph Node Metastasis by Photodynamic Therapy Using Phospholipid Polymer as a Nanotransporter of Verteporfin. <i>BioMed Research International</i> , <b>2017</b> , 2017, 7412865	3	5
473	A Polymethyl Methacrylate-Based Acrylic Dental Resin Surface Bound with a Photoreactive Polymer Inhibits Accumulation of Bacterial Plaque. <i>International Journal of Prosthodontics</i> , <b>2017</b> , 30, 533-540	1.9	8
472	Hydrogels <b>2017</b> , 674-684		
471	Diffusion-Induced Hydrophilic Conversion of Polydimethylsiloxane/Block-Type Phospholipid Polymer Hybrid Substrate for Temporal Cell-Adhesive Surface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 21839-46	9.5	4

470	Temperature-Responsive Diblock Copolymers Bearing Biocompatible Pendant Phosphorylcholine Groups. <i>Kobunshi Ronbunshu</i> , <b>2016</b> , 73, 192-197	0	2
469	Photoreactive Initiator for Surface-Initiated ATRP on Versatile Polymeric Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 24994-8	9.5	26
468	Cytocompatible and multifunctional polymeric nanoparticles for transportation of bioactive molecules into and within cells. <i>Science and Technology of Advanced Materials</i> , <b>2016</b> , 17, 300-312	7.1	28
467	Movement of a Quantum Dot Covered with Cytocompatible and pH-Responsive Phospholipid Polymer Chains under a Cellular Environment. <i>Biomacromolecules</i> , <b>2016</b> , 17, 3986-3994	6.9	8
466	Cytocompatible Magnetic Nanoparticles with Cell-internalizing Properties for Quantification of the Intracellular Environment. <i>Transactions of the Materials Research Society of Japan</i> , <b>2016</b> , 41, 113-116	0.2	1
465	Direct Interaction Force and Adsorption Behavior of Fibrinogen on Well-Characterized Polymer Brush Surfaces. <i>Transactions of the Materials Research Society of Japan</i> , <b>2016</b> , 41, 51-54	0.2	1
464	2-Methacryloyloxyethyl Phosphorylcholine Polymer Treatment of Complete Dentures to Inhibit Denture Plaque Deposition. <i>Journal of Visualized Experiments</i> , <b>2016</b> ,	1.6	2
463	Water-soluble complex formation of fullerenes with a biocompatible polymer. <i>Polymer Journal</i> , <b>2016</b> , 48, 999-1005	2.7	7
462	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> , <b>2016</b> , 40, 38-45	10.8	18
461	Photoinduced inhibition of DNA unwinding in vitro with water-soluble polymers containing both phosphorylcholine and photoreactive groups. <i>Acta Biomaterialia</i> , <b>2016</b> , 40, 226-234	10.8	9
460	Focus on nanomedicine molecular science. <i>Science and Technology of Advanced Materials</i> , <b>2016</b> , 17, 244	7.1	
459	Phospholipid Polymer Grafted Highly Cross-Linked UHMWPE <b>2016</b> , 352-368		1
458	Preparation of a thick polymer brush layer composed of poly(2-methacryloyloxyethyl phosphorylcholine) by surface-initiated atom transfer radical polymerization and analysis of protein adsorption resistance. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 141, 507-512	6	39
457	1H23 Isolation of undifferentiated iPS cells using microfluidic channel immobilized with anti-SSEA-1 antibody. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , <b>2016</b> , 2016.28, _1H23-1_-_1H23-4_	0	
456	ATP-mediated Release of a DNA-binding Protein from a Silicon Nanoneedle Array. <i>Electrochemistry</i> , <b>2016</b> , 84, 305-307	1.2	6
455	Formation of Polyion Complex (PIC) Micelles and Vesicles with Anionic pH-Responsive Unimer Micelles and Cationic Diblock Copolymers in Water. <i>Langmuir</i> , <b>2016</b> , 32, 3945-53	4	18
454	Preventive effects of a phospholipid polymer coating on PMMA on biofilm formation by oral streptococci. <i>Applied Surface Science</i> , <b>2016</b> , 390, 602-607	6.7	11
453	Precise control of surface electrostatic forces on polymer brush layers with opposite charges for resistance to protein adsorption. <i>Biomaterials</i> , <b>2016</b> , 105, 102-108	15.6	18



452	Effects of extra irradiation on surface and bulk properties of PMPC-grafted cross-linked polyethylene. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2016</b> , 104, 37-47	5.4	4
451	Preparation of photoreactive phospholipid polymer nanoparticles to immobilize and release protein by photoirradiation. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 135, 365-370	6	6
450	Building cell-containing multilayered phospholipid polymer hydrogels for controlling the diffusion of a bioactive reagent. <i>RSC Advances</i> , <b>2015</b> , 5, 44408-44415	3.7	5
449	Cytocompatible and spontaneously forming phospholipid polymer hydrogels. <i>European Polymer Journal</i> , <b>2015</b> , 72, 577-589	5.2	7
448	Highly lubricated polymer interfaces for advanced artificial hip joints through biomimetic design. <i>Polymer Journal</i> , <b>2015</b> , 47, 585-597	2.7	67
447	Molecular interaction forces generated during protein adsorption to well-defined polymer brush surfaces. <i>Langmuir</i> , <b>2015</b> , 31, 3108-14	4	48
446	Efficient differentiation of stem cells encapsulated in a cytocompatible phospholipid polymer hydrogel with tunable physical properties. <i>Biomaterials</i> , <b>2015</b> , 56, 86-91	15.6	30
445	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> , <b>2015</b> , 11, 5204-13	3.6	45
444	Photoreactive Polymers Bearing a Zwitterionic Phosphorylcholine Group for Surface Modification of Biomaterials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 17489-98	9.5	60
443	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> , <b>2015</b> , 15, 317	4.8	8
442	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> , <b>2015</b> , 7, 23089-97	9.5	19
441	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> , <b>2015</b> , 24, 24-34	10.8	31
440	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> , <b>2015</b> , 17, 9951-8	3.6	19
439	Surface functionalization of quantum dots with fine-structured pH-sensitive phospholipid polymer chains. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 135, 490-496	6	6
438	Concentration-dependent effects of fibronectin adsorbed on hydroxyapatite surfaces on osteoblast adhesion. <i>Materials Science and Engineering C</i> , <b>2015</b> , 48, 378-83	8.3	17
437	Aggregation behavior in water of amphiphilic diblock copolymers bearing biocompatible phosphorylcholine and cholesteryl groups. <i>Polymer Journal</i> , <b>2015</b> , 47, 71-76	2.7	4
436	Critical update on 2-methacryloyloxyethyl phosphorylcholine (MPC) polymer science. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	77
435	Preparation of Biocompatible Poly(2-methacryloyloxyethyl phosphorylcholine) (PMPC) via Organotellurium-Medicated Radical Polymerization (TERP). <i>Kobunshi Ronbunshu</i> , <b>2015</b> , 72, 335-340	0	

434	Bioinspired Phospholipid Polymer Hydrogel System for Cellular Engineering. <i>Macromolecular Symposia</i> , <b>2015</b> , 351, 69-77	0.8	2
433	Reactive ABA-Type Triblock Phospholipid Copolymer by ATRP and Its Chemical Functionalizations. <i>Macromolecular Symposia</i> , <b>2015</b> , 354, 104-110	0.8	1
432	Phospholipid Polymer Multilayered Hydrogels Containing Cells for Cancer Drug Screening. <i>Transactions of the Materials Research Society of Japan</i> , <b>2015</b> , 40, 59-63	0.2	
431	Redox-active cytocompatible phospholipid polymer hydrogels for three-dimensional electrical control of encapsulated living cells. <i>Transactions of the Materials Research Society of Japan</i> , <b>2015</b> , 40, 119-122	0.2	1
430	Well-structured Graft-type Phospholipid Polymer for Modified Polyurethane Vascular Prosthesis. <i>Transactions of the Materials Research Society of Japan</i> , <b>2015</b> , 40, 137-140	0.2	2
429	DNA structures under molecular crowding conditions with a phosphorylcholine derivative (MPC). <i>Transactions of the Materials Research Society of Japan</i> , <b>2015</b> , 40, 99-102	0.2	1
428	Surface Modification on Poly(ether ether ketone) with Phospholipid Polymer via Photoinduced Self-Initiated Grafting. <i>Macromolecular Symposia</i> , <b>2015</b> , 354, 230-236	0.8	8
427	Animal Experiments of the Helical Flow Total Artificial Heart. <i>Artificial Organs</i> , <b>2015</b> , 39, 670-80	2.6	9
426	Effects of Surface Modification and Bulk Geometry on the Biotribological Behavior of Cross-Linked Polyethylene: Wear Testing and Finite Element Analysis. <i>BioMed Research International</i> , <b>2015</b> , 2015, 435432	2.3	4
425	Clinical and radiographic outcomes of total hip replacement with poly(2-methacryloyloxyethyl phosphorylcholine)-grafted highly cross-linked polyethylene liners: three-year results of a prospective consecutive series. <i>Modern Rheumatology</i> , <b>2015</b> , 25, 286-91	3.3	27
424	Safety, reliability, and operability of cochlear implant electrode arrays coated with biocompatible polymer. <i>Acta Oto-Laryngologica</i> , <b>2015</b> , 135, 320-7	1.6	7
423	Poly(dimethylsiloxane) (PDMS) surface patterning by biocompatible photo-crosslinking block copolymers. <i>RSC Advances</i> , <b>2015</b> , 5, 46686-46693	3.7	10
422	Wear resistance of the biocompatible phospholipid polymer-grafted highly cross-linked polyethylene liner against larger femoral head. <i>Journal of Orthopaedic Research</i> , <b>2015</b> , 33, 1103-10	3.8	17
421	Fabrication of a live cell-containing multilayered polymer hydrogel membrane with micrometer-scale thickness to evaluate pharmaceutical activity. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2015</b> , 26, 1372-85	3.5	10
420	Influences of dehydration and rehydration on the lubrication properties of phospholipid polymer-grafted cross-linked polyethylene. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , <b>2015</b> , 229, 506-14	1.7	8
419	Hydrogels and Surface Modification <b>2015</b> , 299-340		1
418	Initial Cell Adhesion on Well-Defined Surface by Polymer Brush Layers with Varying Chemical Structures. <i>ACS Biomaterials Science and Engineering</i> , <b>2015</b> , 1, 103-109	5.5	36
417	Hollow fiber membrane modification with functional zwitterionic macromolecules for improved thromboresistance in artificial lungs. <i>Langmuir</i> , <b>2015</b> , 31, 2463-71	4	31

416	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> , <b>2015</b> , 61, 55-60 <sup>3,9</sup>		24
415	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> , <b>2015</b> , 473, 942-51	2.2	21
414	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> , <b>2015</b> , 13, 42-51	10.8	11
413	Regulation of the cyanobacterial circadian clock by electrochemically controlled extracellular electron transfer. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 2208-11	16.4	26
412	Quantitating distance-dependent, indirect cell-cell interactions with a multilayered phospholipid polymer hydrogel. <i>Biomaterials</i> , <b>2014</b> , 35, 2181-7	15.6	15
411	Biomimetic interfaces reveal activation dynamics of C-reactive protein in local microenvironments. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 1733-8	10.1	26
410	Long-term hip simulator testing of the artificial hip joint bearing surface grafted with biocompatible phospholipid polymer. <i>Journal of Orthopaedic Research</i> , <b>2014</b> , 32, 369-76	3.8	49
409	Quantitative evaluation of interaction force of fibrinogen at well-defined surfaces with various structures. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2014</b> , 25, 1629-40	3.5	4
408	Extracellular Electron Transfer Enhances Polyhydroxybutyrate Productivity in <i>Ralstonia eutropha</i> . <i>Environmental Science and Technology Letters</i> , <b>2014</b> , 1, 40-43	11	22
407	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> , <b>2014</b> , 25, 1658-72	3.5	11
406	Amphiphilic Triblock Phospholipid Copolymers Bearing Phenylboronic Acid Groups for Spontaneous Formation of Hydrogels with Tunable Mechanical Properties. <i>Macromolecules</i> , <b>2014</b> , 47, 3128-3135	5.5	27
405	Cell-membrane-permeable and cytocompatible phospholipid polymer nanoprobe conjugated with molecular beacons. <i>Biomacromolecules</i> , <b>2014</b> , 15, 150-7	6.9	24
404	Quantitative evaluation of interaction force between functional groups in protein and polymer brush surfaces. <i>Langmuir</i> , <b>2014</b> , 30, 2745-51	4	42
403	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> , <b>2014</b> , 112, 194-203	4	43
402	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> , <b>2014</b> , 102, 1342-9	5.4	62
401	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> , <b>2014</b> , 31, 100-6	4.1	9
400	Novel Bioinspired Phospholipid Polymer Biomaterials for Nanobioengineering <b>2014</b> , 369-390		
399	Phospholipid Polymer-covered Magnetic Nanoparticles for Tracking Intracellular Molecular Reaction. <i>Transactions of the Materials Research Society of Japan</i> , <b>2014</b> , 39, 427-430	0.2	1

398	Cytocompatible and reversible phospholipid polymer hydrogels for encapsulation to provide unified quality cells. <i>Transactions of the Materials Research Society of Japan</i> , <b>2014</b> , 39, 279-282	0.2	
397	Nano-scale Molecular Interaction Force Measurement for Analysis of Protein Adsorption on the Surfaces. <i>Transactions of the Materials Research Society of Japan</i> , <b>2014</b> , 39, 185-188	0.2	
396	Effects of molecular architecture of phospholipid polymers on surface modification of segmented polyurethanes. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2014</b> , 25, 474-86	3.5	17
395	Water-soluble polymers bearing phosphorylcholine group and other zwitterionic groups for carrying DNA derivatives. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2014</b> , 25, 1461-78	3.5	12
394	Neutron reflectivity study of the swollen structure of polyzwitterion and polyelectrolyte brushes in aqueous solution. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2014</b> , 25, 1673-86	3.5	39
393	Thermo-Responsive and Biocompatible Diblock Copolymers Prepared via Reversible Addition-Fragmentation Chain Transfer (RAFT) Radical Polymerization. <i>Polymers</i> , <b>2014</b> , 6, 846-859	4.5	11
392	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> , <b>2014</b> , 102, 3012-23	5.4	22
391	Surface patterned graft copolymerization of hydrophilic monomers onto hydrophobic polymer film upon UV irradiation. <i>Journal of Polymer Science Part A</i> , <b>2014</b> , 52, 2822-2829	2.5	9
390	Phospholipid polymer-based antibody immobilization for cell rolling surfaces in stem cell purification system. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2014</b> , 25, 1590-601	3.5	12
389	CHAPTER 5:2-Methacryloyloxyethyl Phosphorylcholine Polymers. <i>RSC Polymer Chemistry Series</i> , <b>2014</b> , 68-96	1.3	14
388	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> , <b>2014</b> , 25, 1514-29	3.5	17
387	Poly(2-methacryloyloxyethyl phosphorylcholine) grafting and vitamin E blending for high wear resistance and oxidative stability of orthopedic bearings. <i>Biomaterials</i> , <b>2014</b> , 35, 6677-86	15.6	24
386	Detection of microtubules in vivo using antibody-immobilized nanoneedles. <i>Journal of Bioscience and Bioengineering</i> , <b>2014</b> , 117, 107-12	3.3	14
385	Multilayered phospholipid polymer hydrogels for releasing cell growth factors. <i>Biomaterials and Biomechanics in Bioengineering</i> , <b>2014</b> , 1, 1-12		2
384	Comprehensive genetic analysis of early host body reactions to the bioactive and bio-inert porous scaffolds. <i>PLoS ONE</i> , <b>2014</b> , 9, e85132	3.7	14
383	Smart PEEK Modified by Self-Initiated Surface Graft Polymerization for Orthopedic Bearings. <i>Reconstructive Review</i> , <b>2014</b> , 4, 36-45		9
382	Phospholipid polymer can reduce cytotoxicity of poly (lactic acid) nanoparticles in a high-content screening assay. <i>Biomaterials and Biomechanics in Bioengineering</i> , <b>2014</b> , 1, 95-104		
381	Cross-linkable and water-soluble phospholipid polymer as artificial extracellular matrix. <i>Biomaterials and Biomechanics in Bioengineering</i> , <b>2014</b> , 1, 163-174		1

380	Elution of Two Separated Peaks after Injection of a Small Sample Volume Using an Autosampler. <i>Chromatography</i> , <b>2014</b> , 35, 59-62	1.2	
379	Preparation and characterization of polyion complex micelles with phosphobetaine shells. <i>Langmuir</i> , <b>2013</b> , 29, 9651-61	4	38
378	Poly(ether-ether-ketone) orthopedic bearing surface modified by self-initiated surface grafting of poly(2-methacryloyloxyethyl phosphorylcholine). <i>Biomaterials</i> , <b>2013</b> , 34, 7829-39	15.6	63
377	Elastic repulsion from polymer brush layers exhibiting high protein repellency. <i>Langmuir</i> , <b>2013</b> , 29, 10752-8	4	38
376	Detachment of cells adhered on the photoreactive phospholipid polymer surface by photoirradiation and their functionality. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 103, 489-95	6	14
375	Relaxation modes in chemically cross-linked poly(2-methacryloyloxyethyl phosphorylcholine) hydrogels. <i>Soft Matter</i> , <b>2013</b> , 9, 2166	3.6	10
374	Phospholipid polymer hydrogel microsphere modulates the cell cycle profile of encapsulated cells. <i>Soft Matter</i> , <b>2013</b> , 9, 4628	3.6	31
373	Hybridization of poly(2-methacryloyloxyethyl phosphorylcholine-block-2-ethylhexyl methacrylate) with segmented polyurethane for reducing thrombogenicity. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 108, 239-45	6	19
372	A simple procedure for the preparation of precise spatial multicellular phospholipid polymer hydrogels. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 108, 345-51	6	18
371	The significance of hydrated surface molecular mobility in the control of the morphology of adhering fibroblasts. <i>Biomaterials</i> , <b>2013</b> , 34, 3206-14	15.6	45
370	Extracellular electron transfer across bacterial cell membranes via a cytocompatible redox-active polymer. <i>ChemPhysChem</i> , <b>2013</b> , 14, 2159-63	3.2	40
369	Inducing rapid cellular response on RGD-binding threaded macromolecular surfaces. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 5513-6	16.4	93
368	The use of the mechanical microenvironment of phospholipid polymer hydrogels to control cell behavior. <i>Biomaterials</i> , <b>2013</b> , 34, 5891-6	15.6	48
367	Linear and hyperbranched phosphorylcholine based homopolymers for blood biocompatibility. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 3140	4.9	20
366	Direct observation of selective protein capturing on molecular imprinting substrates. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 40, 96-101	11.8	25
365	Evaluation of the actin cytoskeleton state using an antibody-functionalized nanoneedle and an AFM. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 40, 3-9	11.8	29
364	Direct electron transfer with enzymes on nanofiliform titanium oxide films with electron-transport ability. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 41, 289-93	11.8	7
363	Redox phospholipid polymer microparticles as doubly functional polymer support for immobilization of enzyme oxidase. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 102, 857-63	6	14

362	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> , <b>2013</b> , 5, 6832-6	9.5	29
361	The helical flow total artificial heart: implantation in goats. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2013</b> , 2013, 2720-3	0.9	3
360	Release of Potassium Ion and Calcium Ion from Phosphorylcholine Group Bearing Hydrogels. <i>Polymers</i> , <b>2013</b> , 5, 1241-1257	4.5	26
359	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> , <b>2013</b> , 24, 1320-32	3.5	10
358	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> , <b>2013</b> , 51, 4923-4931	2.5	8
357	Enhanced and Specific Internalization of Polymeric Nanoparticles to Cells. <i>IFMBE Proceedings</i> , <b>2013</b> , 262-265	2.65	3
356	Polymers for Artificial Joints <b>2013</b> , 851-884		
355	Regulation of cell proliferation by multi-layered phospholipid polymer hydrogel coatings through controlled release of paclitaxel. <i>Biomaterials</i> , <b>2012</b> , 33, 954-61	15.6	41
354	Biomimetic hydration lubrication with various polyelectrolyte layers on cross-linked polyethylene orthopedic bearing materials. <i>Biomaterials</i> , <b>2012</b> , 33, 4451-9	15.6	81
353	Mechanical force-based probing of intracellular proteins from living cells using antibody-immobilized nanoneedles. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 31, 323-9	11.8	32
352	Fabrication of polymeric electron-transfer mediator/enzyme hydrogel multilayer on an Au electrode in a layer-by-layer process. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 34, 191-6	11.8	26
351	Clarification of Protein Adsorption at Polymer Brush Surfaces Based on Water Structure Surrounding the Surface. <i>ACS Symposium Series</i> , <b>2012</b> , 605-620	0.4	1
350	The helical flow pump with a hydrodynamic levitation impeller. <i>Journal of Artificial Organs</i> , <b>2012</b> , 15, 331-40	1.8	14
349	Spherical phospholipid polymer hydrogels for cell encapsulation prepared with a flow-focusing microfluidic channel device. <i>Langmuir</i> , <b>2012</b> , 28, 2145-50	4	44
348	Designing dynamic surfaces for regulation of biological responses. <i>Soft Matter</i> , <b>2012</b> , 8, 5477	3.6	53
347	Chain dimension of polyampholytes in solution and immobilized brush states. <i>Polymer Journal</i> , <b>2012</b> , 44, 121-130	2.7	44
346	Degradable thermoresponsive nanogels for protein encapsulation and controlled release. <i>Bioconjugate Chemistry</i> , <b>2012</b> , 23, 75-83	6.3	81
345	Wettability and antifouling behavior on the surfaces of superhydrophilic polymer brushes. <i>Langmuir</i> , <b>2012</b> , 28, 7212-22	4	313

344	Platelet adhesion-resistance of titanium substrate with mussel-inspired adhesive polymer bearing phosphorylcholine group. <i>Applied Surface Science</i> , <b>2012</b> , 258, 5418-5423	6.7	18
343	Cell adhesion control on photoreactive phospholipid polymer surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 99, 1-6	6	24
342	Impact of the nature, size and chain topologies of carbohydrate-phosphorylcholine polymeric gene delivery systems. <i>Biomaterials</i> , <b>2012</b> , 33, 7858-70	15.6	57
341	The effect of the encapsulation of bacteria in redox phospholipid polymer hydrogels on electron transfer efficiency in living cell-based devices. <i>Biomaterials</i> , <b>2012</b> , 33, 8221-7	15.6	42
340	Electrospun phospholipid polymer substrate for enhanced performance in immunoassay system. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 38, 209-14	11.8	23
339	Biomimetic hydrogels gate transport of calcium ions across cell culture inserts. <i>Biomedical Microdevices</i> , <b>2012</b> , 14, 549-58	3.7	14
338	Preparation and surface properties of polyrotaxane-containing tri-block copolymers as a design for dynamic biomaterials surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 89, 223-7	6	29
337	Simple surface treatment using amphiphilic phospholipid polymers to obtain wetting and lubricity on polydimethylsiloxane-based substrates. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 97, 70-6	6	14
336	NONBIOFOULING SURFACES COVERED BY BIO-INSPIRED 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE POLYMER BRUSH BY USE OF POLYMERIC PHOTOINIFERTER. <i>Nano LIFE</i> , <b>2012</b> , 02, 1242003	0.9	1
335	Phospholipid Polymers <b>2012</b> ,		3
334	Cell membrane-inspired phospholipid polymers for developing medical devices with excellent biointerfaces. <i>Science and Technology of Advanced Materials</i> , <b>2012</b> , 13, 064101	7.1	194
333	Cytocompatible polymer hydrogels as microenvironment tunable three-dimensional cell culture matrices. <i>Transactions of the Materials Research Society of Japan</i> , <b>2012</b> , 37, 357-360	0.2	2
332	Encapsulation of shewanella in the redox phospholipid polymer hydrogel for microbial fuel cell fabrication. <i>Transactions of the Materials Research Society of Japan</i> , <b>2012</b> , 37, 529-532	0.2	2
331	Preparation of Photolabile and Cytocompatible Polymer Surface to Control Cell Adhesion and Detachment. <i>Transactions of the Materials Research Society of Japan</i> , <b>2012</b> , 37, 329-332	0.2	
330	Suppression of Inflammatory Reactions on MPC Polymer Surfaces <b>2012</b> , 365-383		
329	Detailed study of the reversible addition-fragmentation chain transfer polymerization and co-polymerization of 2-methacryloyloxyethyl phosphorylcholine. <i>Polymer Chemistry</i> , <b>2011</b> , 2, 632-639	4.9	43
328	Cytocompatible Hydrogel Composed of Phospholipid Polymers for Regulation of Cell Functions. <i>Advances in Polymer Science</i> , <b>2011</b> , 141-165	1.3	6
327	Novel polymer biomaterials and interfaces inspired from cell membrane functions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2011</b> , 1810, 268-75	4	36

326	Significance of antibody orientation unraveled: well-oriented antibodies recorded high binding affinity. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 1969-76	7.8	155
325	The effects of nanophase-separated amphiphilic domains on cell adhesion. <i>Transactions of the Materials Research Society of Japan</i> , <b>2011</b> , 36, 577-580	0.2	3
324	Enzyme oxidase-immobilized phospholipid polymer microparticles for biofuel cell application. <i>Transactions of the Materials Research Society of Japan</i> , <b>2011</b> , 36, 531-534	0.2	2
323	In vivo evaluation of the "TinyPump" as a pediatric left ventricular assist device. <i>Artificial Organs</i> , <b>2011</b> , 35, 543-53	2.6	11
322	Synthesis of polyurethanes by polyaddition using diol compounds with methacrylate-derived functional groups. <i>Polymer</i> , <b>2011</b> , 52, 5445-5451	3.9	14
321	Effects of 3,4-dihydrophenyl groups in water-soluble phospholipid polymer on stable surface modification of titanium alloy. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 88, 215-20	6	26
320	Methacrylate polymer layers bearing poly(ethylene oxide) and phosphorylcholine side chains as non-fouling surfaces: in vitro interactions with plasma proteins and platelets. <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 3692-9	10.8	67
319	Hydrolyzed eggshell membrane immobilized on phosphorylcholine polymer supplies extracellular matrix environment for human dermal fibroblasts. <i>Cell and Tissue Research</i> , <b>2011</b> , 345, 177-90	4.2	34
318	Cartilage-mimicking, high-density brush structure improves wear resistance of crosslinked polyethylene: a pilot study. <i>Clinical Orthopaedics and Related Research</i> , <b>2011</b> , 469, 2327-36	2.2	44
317	Quick and simple modification of a poly(dimethylsiloxane) surface by optimized molecular design of the anti-biofouling phospholipid copolymer. <i>Soft Matter</i> , <b>2011</b> , 7, 2968	3.6	34
316	Well-controlled cationic water-soluble phospholipid polymer-DNA nanocomplexes for gene delivery. <i>Bioconjugate Chemistry</i> , <b>2011</b> , 22, 1228-38	6.3	45
315	Effect of hydrophilic polymer conjugation on heat-induced conformational changes in a protein. <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 1477-84	10.8	16
314	Tissue response to poly(L-lactic acid)-based blend with phospholipid polymer for biodegradable cardiovascular stents. <i>Biomaterials</i> , <b>2011</b> , 32, 2241-7	15.6	36
313	Integrated functional nanocolloids covered with artificial cell membranes for biomedical applications. <i>Nano Today</i> , <b>2011</b> , 6, 61-74	17.9	82
312	Adhesion force of proteins against hydrophilic polymer brush surfaces. <i>Reactive and Functional Polymers</i> , <b>2011</b> , 71, 350-355	4.6	47
311	Thermo-responsive behavior of hybrid core cross-linked polymer micelles with biocompatible shells. <i>Polymer</i> , <b>2011</b> , 52, 2810-2818	3.9	13
310	Biomimetic Polymer Nanoparticles Embedding Quantum Dots. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1357, 1		2
309	Physicochemical delivery of amphiphilic copolymers to specific organelles. <i>Polymer Journal</i> , <b>2011</b> , 43, 718-722	2.7	5



308	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> , <b>2011</b> , 22, 77-89	3.5	8
307	Photodynamic therapy using an anti-EGF receptor antibody complexed with verteporfin nanoparticles: a proof of concept study. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , <b>2011</b> , 26, 697-704	3.9	15
306	Reduction of Peritendinous adhesions by hydrogel containing biocompatible phospholipid polymer MPC for tendon repair. <i>Journal of Bone and Joint Surgery - Series A</i> , <b>2011</b> , 93, 142-9	5.6	37
305	Cartilage-mimicking, Super Lubricious Bearing Surface Extends Longevity of Artificial Joint Replacements. <i>Hyomen Kagaku</i> , <b>2011</b> , 32, 557-562		1
304	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> , <b>2011</b> , 36, 265-268	0.2	1
303	Bioinspired phospholipid polymer for improvement of biofouling on titanium alloy substrate. <i>Transactions of the Materials Research Society of Japan</i> , <b>2011</b> , 36, 573-576	0.2	1
302	A bioconjugated phospholipid polymer biointerface with nanometer-scaled structure for highly sensitive immunoassays. <i>Methods in Molecular Biology</i> , <b>2011</b> , 751, 491-502	1.4	5
301	Continuous preparation of cytocompatible poly(2-methacryloyloxyethyl phosphorylcholine) microcapsule for cell immobilization using microfluidics. <i>Transactions of the Materials Research Society of Japan</i> , <b>2011</b> , 36, 569-572	0.2	
300	Layer-by-Layer Building up of Redox Phospholipid Polymer Hydrogel Electrode For Biosensor. <i>Transactions of the Materials Research Society of Japan</i> , <b>2011</b> , 36, 545-548	0.2	
299	Essential Factors to Make Excellent Biocompatibility of Phospholipid Polymer Materials. <i>Advances in Science and Technology</i> , <b>2010</b> , 76, 1-9	0.1	3
298	Single-cell attachment and culture method using a photochemical reaction in a closed microfluidic system. <i>Biomicrofluidics</i> , <b>2010</b> , 4, 32208	3.2	32
297	Surface Modification of SiO <sub>2</sub> Microchannels with Biocompatible Polymer Using Supercritical Carbon Dioxide. <i>Japanese Journal of Applied Physics</i> , <b>2010</b> , 49, 116503	1.4	
296	Control of cell function on a phospholipid polymer having phenylboronic acid moiety. <i>Biomedical Materials (Bristol)</i> , <b>2010</b> , 5, 054101	3.5	26
295	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> , <b>2010</b> , 20, 4897		5
294	Photo-induced Functionalization on Biomaterials Surfaces. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , <b>2010</b> , 23, 161-166	0.7	9
293	Nanobiofunctions on Cell Membrane-inspired Polymer Materials. <i>Membrane</i> , <b>2010</b> , 35, 217-223	0	
292	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> , <b>2010</b> , 31, 658-68	15.6	64
291	Self-initiated surface grafting with poly(2-methacryloyloxyethyl phosphorylcholine) on poly(ether-ether-ketone). <i>Biomaterials</i> , <b>2010</b> , 31, 1017-24	15.6	119

290	Cell-penetrating macromolecules: direct penetration of amphipathic phospholipid polymers across plasma membrane of living cells. <i>Biomaterials</i> , <b>2010</b> , 31, 2380-7	15.6	90
289	The prevention of peritendinous adhesions by a phospholipid polymer hydrogel formed in situ by spontaneous intermolecular interactions. <i>Biomaterials</i> , <b>2010</b> , 31, 4009-16	15.6	56
288	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> , <b>2010</b> , 31, 6355-62	15.6	36
287	Phospholipid Polymer Biointerfaces for Lab-on-a-Chip Devices. <i>Annals of Biomedical Engineering</i> , <b>2010</b> , 38, 1938-53	4.7	38
286	A microfluidic hydrogel capable of cell preservation without perfusion culture under cell-based assay conditions. <i>Advanced Materials</i> , <b>2010</b> , 22, 3017-21	24	45
285	The biological performance of cell-containing phospholipid polymer hydrogels in bulk and microscale form. <i>Biomaterials</i> , <b>2010</b> , 31, 8839-46	15.6	23
284	Super-hydrophilic silicone hydrogels with interpenetrating poly(2-methacryloyloxyethyl phosphorylcholine) networks. <i>Biomaterials</i> , <b>2010</b> , 31, 3274-80	15.6	94
283	Stabilization of phospholipid polymer surface with three-dimensional nanometer-scaled structure for highly sensitive immunoassay. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2010</b> , 77, 263-9	6	17
282	Simple surface modification of a titanium alloy with silanated zwitterionic phosphorylcholine or sulfobetaine modifiers to reduce thrombogenicity. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2010</b> , 79, 357-64	6	68
281	Reduction of protein adsorption on well-characterized polymer brush layers with varying chemical structures. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2010</b> , 81, 350-7	6	81
280	Novel cytocompatible intracellular pH-imaging fluorescence probe composed of quantum dot and phospholipid polymer. <i>Transactions of the Materials Research Society of Japan</i> , <b>2010</b> , 35, 147-150	0.2	1
279	0503 Investigation of thrombogenicity of titanium with different nanometric-surface-roughness. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , <b>2010</b> , 2009.22, 77	0	
278	0301 The evaluation of cartilage surface gel lubrication using MPC-polymer brushes grafted surface.. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , <b>2010</b> , 2009.22, 31	0	
277	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> , <b>2009</b> , 34, 189-192	0.2	1
276	Molecular-Integrated Phospholipid Polymer Nanoparticles with Highly Biofunctionality. <i>Macromolecular Symposia</i> , <b>2009</b> , 279, 125-131	0.8	24
275	Precise Design of Surface Nano-texture and Surface Chemistry of Polymeric Solids. <i>Composite Interfaces</i> , <b>2009</b> , 16, 519-533	2.3	4
274	Bioinspired interface for nanobiodevices based on phospholipid polymer chemistry. <i>Journal of the Royal Society Interface</i> , <b>2009</b> , 6 Suppl 3, S279-91	4.1	68
273	Bioabsorbable material-containing phosphorylcholine group-rich surfaces for temporary scaffolding of the vessel wall. <i>Tissue Engineering - Part C: Methods</i> , <b>2009</b> , 15, 125-33	2.9	12

272	Biodegradable polymer films for releasing nanovehicles containing sirolimus. <i>Drug Delivery</i> , <b>2009</b> , 16, 183-8	7	7
271	Selective targeting by preS1 domain of hepatitis B surface antigen conjugated with phosphorylcholine-based amphiphilic block copolymer micelles as a biocompatible, drug delivery carrier for treatment of human hepatocellular carcinoma with paclitaxel. <i>International Journal of</i>	7.5	25
270	Effects of mobility/immobility of surface modification by 2-methacryloyloxyethyl phosphorylcholine polymer on the durability of polyethylene for artificial joints. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2009</b> , 90, 362-71	5.4	51
269	Superlubricious surface mimicking articular cartilage by grafting poly(2-methacryloyloxyethyl phosphorylcholine) on orthopaedic metal bearings. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2009</b> , 91, 730-41	5.4	44
268	Protein adsorption resistance and oxygen permeability of chemically crosslinked phospholipid polymer hydrogel for ophthalmologic biomaterials. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2009</b> , 89, 184-90	3.5	52
267	Poly(vinylferrocene-co-2-hydroxyethyl methacrylate) mediator as immobilized enzyme membrane for the fabrication of amperometric glucose sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2009</b> , 136, 122-127	8.5	22
266	Preparation of electrospun poly(l-lactide-co-caprolactone-co-glycolide)/phospholipid polymer/rapamycin blended fibers for vascular application. <i>Current Applied Physics</i> , <b>2009</b> , 9, e249-e251	2.6	3
265	Preparation of nano-structured titanium oxide film for biosensor substrate by wet corrosion process. <i>Current Applied Physics</i> , <b>2009</b> , 9, e266-e269	2.6	11
264	Smart controlled preparation of multilayered hydrogel for releasing bioactive molecules. <i>Current Applied Physics</i> , <b>2009</b> , 9, e259-e262	2.6	19
263	Intraperitoneal administration of paclitaxel solubilized with poly(2-methacryloyloxyethyl phosphorylcholine-co n-butyl methacrylate) for peritoneal dissemination of gastric cancer. <i>Cancer Science</i> , <b>2009</b> , 100, 1979-85	6.9	49
262	Surface modification by 2-methacryloyloxyethyl phosphorylcholine coupled to a photolabile linker for cell micropatterning. <i>Biomaterials</i> , <b>2009</b> , 30, 1413-20	15.6	74
261	Conformational recovery and preservation of protein nature from heat-induced denaturation by water-soluble phospholipid polymer conjugation. <i>Biomaterials</i> , <b>2009</b> , 30, 4859-67	15.6	22
260	Cell adhesion on phase-separated surface of block copolymer composed of poly(2-methacryloyloxyethyl phosphorylcholine) and poly(dimethylsiloxane). <i>Biomaterials</i> , <b>2009</b> , 30, 5330-40	15.6	63
259	Fabrication of a cell-adhesive protein imprinting surface with an artificial cell membrane structure for cell capturing. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 25, 609-14	11.8	42
258	Surface modification of a titanium alloy with a phospholipid polymer prepared by a plasma-induced grafting technique to improve surface thromboresistance. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2009</b> , 74, 96-102	6	32
257	Nanoscale evaluation of lubricity on well-defined polymer brush surfaces using QCM-D and AFM. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2009</b> , 74, 350-7	6	45
256	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> , <b>2009</b> , 30, 2995-3001	15.6	93
255	Controlled drug release from multilayered phospholipid polymer hydrogel on titanium alloy surface. <i>Biomaterials</i> , <b>2009</b> , 30, 5201-8	15.6	47

254	Protein adsorption and cell adhesion on cationic, neutral, and anionic 2-methacryloyloxyethyl phosphorylcholine copolymer surfaces. <i>Biomaterials</i> , <b>2009</b> , 30, 4930-8	15.6	122
253	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> , <b>2009</b> , 25, 22-7	11.8	30
252	Solubilization of quantum dot with new double functional reversible addition-fragmentation chain transfer reagents. <i>Current Applied Physics</i> , <b>2009</b> , 9, e284-e286	2.6	3
251	Synthesis of Amphiphilic Copolymers by Soap-free Interface-Mediated Polymerization. <i>Polymer Journal</i> , <b>2009</b> , 41, 370-373	2.7	7
250	RAFT synthesis and stimulus-induced self-assembly in water of copolymers based on the biocompatible monomer 2-(methacryloyloxy)ethyl phosphorylcholine. <i>Biomacromolecules</i> , <b>2009</b> , 10, 950-8	6.9	71
249	Suppression of protein adsorption on a charged phospholipid polymer interface. <i>Biomacromolecules</i> , <b>2009</b> , 10, 267-74	6.9	40
248	Self-initiated surface graft polymerization of 2-methacryloyloxyethyl phosphorylcholine on poly(ether ether ketone) by photoirradiation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 537-42	9.5	89
247	Controllable nanostructured surface modification on quantum dot for biomedical application in aqueous medium. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 358-65	1.3	16
246	Structure and Surface Properties of High-density Polyelectrolyte Brushes at the Interface of Aqueous Solution. <i>Macromolecular Symposia</i> , <b>2009</b> , 279, 79-87	0.8	29
245	J0401-5-6 The evaluation method of regenerated cartilage considering surface gel lubrication. <i>The Proceedings of the JSME Annual Meeting</i> , <b>2009</b> , 2009.6, 307-308		
244	Super-hydrophilic silicone hydrogels composed of interpenetrating polymer networks with phospholipid polymer. <i>Transactions of the Materials Research Society of Japan</i> , <b>2009</b> , 34, 193-196	0.2	
243	Development of targeted therapy with paclitaxel incorporated into EGF-conjugated nanoparticles. <i>Anticancer Research</i> , <b>2009</b> , 29, 1009-14	2.3	31
242	Antithrombogenic properties of a monopivot magnetic suspension centrifugal pump for circulatory assist. <i>Artificial Organs</i> , <b>2008</b> , 32, 484-9	2.6	8
241	Polymer nanoparticles covered with phosphorylcholine groups and immobilized with antibody for high-affinity separation of proteins. <i>Biomacromolecules</i> , <b>2008</b> , 9, 828-33	6.9	90
240	Artificial cell membrane-covered nanoparticles embedding quantum dots as stable and highly sensitive fluorescence bioimaging probes. <i>Biomacromolecules</i> , <b>2008</b> , 9, 3252-7	6.9	58
239	Rapid development of hydrophilicity and protein adsorption resistance by polymer surfaces bearing phosphorylcholine and naphthalene groups. <i>Langmuir</i> , <b>2008</b> , 24, 10340-4	4	64
238	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> , <b>2008</b> , 24, 8772-8	4	77
237	Bioconjugated phospholipid polymer biointerface for enzyme-linked immunosorbent assay. <i>Biomacromolecules</i> , <b>2008</b> , 9, 403-7	6.9	54

236	Micropatterned Biorecognition Surfaces on Nonbiofouling Polymer by Living Radical Photopolymerization for High Sensitivity Biosensing. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1093, 10401		
235	Cell Self Assembly of Intracellular Interface Using Cell Migration. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1092, 21201		2
234	New Nanocomposite Biomaterials Controlling Surface and Bulk Properties using Supercritical Carbon Dioxide. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1097, 1		
233	The End Group Modification of Phospholipid Polymer Brush Grafted on Ferric Oxide Nanoparticles for Diagnostics. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1093, 41101		3
232	Bioinspired Polymer Surfaces for Nanodevices and Nanomedicine. <i>Advances in Science and Technology</i> , <b>2008</b> , 57, 5-14	0.1	3
231	Prevention of biofilm formation with a coating of 2-methacryloyloxyethyl phosphorylcholine polymer. <i>Journal of Veterinary Medical Science</i> , <b>2008</b> , 70, 167-73	1.1	46
230	Functional Biointerface for Microfluidic Devices Using Phospholipid Polymers. <i>Kobunshi Ronbunshu</i> , <b>2008</b> , 65, 228-234	0	
229	Surface tethering of phosphorylcholine groups onto poly(dimethylsiloxane) through swelling-deswelling methods with phospholipids moiety containing ABA-type block copolymers. <i>Biomaterials</i> , <b>2008</b> , 29, 1367-76	15.6	109
228	Photografting of 2-methacryloyloxyethyl phosphorylcholine from polydimethylsiloxane: tunable protein repellency and lubrication property. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2008</b> , 63, 64-72	6	50
227	Surface immobilization of biocompatible phospholipid polymer multilayered hydrogel on titanium alloy. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2008</b> , 67, 216-23	6	42
226	Hydration of phosphorylcholine groups attached to highly swollen polymer hydrogels studied by thermal analysis. <i>Polymer</i> , <b>2008</b> , 49, 4652-4657	3.9	99
225	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> , <b>2008</b> , 46, 3306-3313	2.5	57
224	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> , <b>2008</b> , 86, 439-47	5.4	44
223	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> , <b>2008</b> , 84, 320-7	3.5	32
222	Single step diagnosis system using the FRET phenomenon induced by antibody-immobilized phosphorylcholine group-covered polymer nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 129, 87-93	8.5	12
221	Establishing ultimate biointerfaces covered with phosphorylcholine groups. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2008</b> , 65, 155-65	6	36
220	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> , <b>2008</b> , 44, 391-399	4.3	12
219	Protein adsorption resistant surface on polymer composite based on 2D- and 3D-controlled grafting of phospholipid moieties. <i>Applied Surface Science</i> , <b>2008</b> , 255, 379-383	6.7	12

218	UCST-Type Cononsolvency Behavior of Poly(2-methacryloyloxyethyl phosphorylcholine) in the Mixture of Water and Ethanol. <i>Polymer Journal</i> , <b>2008</b> , 40, 479-483	2.7	25
217	Synthesis and Properties of Segmented Poly(urethane-urea)s Containing Phosphorylcholine Moiety in the Side-Chain. <i>Polymer Journal</i> , <b>2008</b> , 40, 1149-1156	2.7	16
216	Cell-Container Prepared with Cytocompatible Phospholipid Polymers for Cell and Tissue Engineering. <i>ACS Symposium Series</i> , <b>2008</b> , 336-345	0.4	1
215	Friction behavior of high-density poly(2-methacryloyloxyethyl phosphorylcholine) brush in aqueous media. <i>Soft Matter</i> , <b>2007</b> , 3, 740-746	3.6	222
214	Tissue-compatible and adhesive polyion complex hydrogels composed of amphiphilic phospholipid polymers. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2007</b> , 18, 623-40	3.5	7
213	Development of gene vectors for pinpoint targeting to human hepatocytes by cationically modified polymer complexes. <i>European Surgical Research</i> , <b>2007</b> , 39, 23-34	1.1	16
212	OS2-1-4 Tribological Behavior of Super Hydrophilic Polymer Brushes. <i>The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics</i> , <b>2007</b> , 2007.6, _OS2-1-4-1- _OS2-1-4-5	0	
211	Phospholipid polymer hydrogel formed by the photodimerization of cinnamoyl groups in the polymer side chain. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 104, 44-50	2.9	11
210	Biocompatibility and drug release behavior of spontaneously formed phospholipid polymer hydrogels. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2007</b> , 80, 45-54	5.4	35
209	Enhanced wear resistance of modified cross-linked polyethylene by grafting with poly(2-methacryloyloxyethyl phosphorylcholine). <i>Journal of Biomedical Materials Research - Part A</i> , <b>2007</b> , 82, 10-7	5.4	60
208	Photoinduced phospholipid polymer grafting on Parylene film: advanced lubrication and antibiofouling properties. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2007</b> , 54, 67-73	6	101
207	Surface modification on microfluidic devices with 2-methacryloyloxyethyl phosphorylcholine polymers for reducing unfavorable protein adsorption. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2007</b> , 54, 88-93	6	143
206	Antibody immobilization to phospholipid polymer layer on gold substrate of quartz crystal microbalance immunosensor. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2007</b> , 55, 164-72	6	27
205	High lubricious surface of cobalt-chromium-molybdenum alloy prepared by grafting poly(2-methacryloyloxyethyl phosphorylcholine). <i>Biomaterials</i> , <b>2007</b> , 28, 3121-30	15.6	53
204	Cytocompatible biointerface on poly(lactic acid) by enrichment with phosphorylcholine groups for cell engineering. <i>Materials Science and Engineering C</i> , <b>2007</b> , 27, 227-231	8.3	24
203	Microfluidic flow control on charged phospholipid polymer interface. <i>Lab on A Chip</i> , <b>2007</b> , 7, 199-206	7.2	57
202	Preparations of Aromatic Diamine Monomers and Copolyamides Containing Phosphorylcholine Moiety and the Biocompatibility of Copolyamides. <i>Polymer Journal</i> , <b>2007</b> , 39, 712-721	2.7	14
201	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> , <b>2007</b> , 18, 1809-15	4.5	49

200	Nanoneedle Surface Modification with 2-Methacryloyloxyethyl Phosphorylcholine Polymer to Reduce Nonspecific Protein Adsorption in a Living Cell. <i>Nanobiotechnology</i> , <b>2007</b> , 3, 127-134		10
199	Multiple Protein-immobilized Phospholipid Polymer Nanoparticles: Effect of Spacer Length on Residual Enzymatic Activity and Molecular Diagnosis. <i>Nanobiotechnology</i> , <b>2007</b> , 3, 76-82		10
198	Phosphorylcholine Group-immobilized Surface Prepared on Polydimethylsiloxane Membrane by In Situ Reaction for Its Reduced Biofouling. <i>Nanobiotechnology</i> , <b>2007</b> , 3, 83-88		12
197	Temporal and spatially controllable cell encapsulation using a water-soluble phospholipid polymer with phenylboronic acid moiety. <i>Biomaterials</i> , <b>2007</b> , 28, 1770-7	15.6	101
196	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> , <b>2007</b> , 48, 1573-1580	3.9	24
195	Well Defined Surface Preparation with Phospholipid Polymers for Highly Sensitive Immunoassays. <i>Key Engineering Materials</i> , <b>2007</b> , 342-343, 889-892	0.4	2
194	1P321 Surface modification of nanoneedle with MPC polymers for improving the biocompatibility with cell interior(Bioengineering,Poster Presentations). <i>Seibutsu Butsuri</i> , <b>2007</b> , 47, S103	0	
193	Instantaneous determination via bimolecular recognition: usefulness of FRET in phosphorylcholine group enriched nanoparticles. <i>Bioconjugate Chemistry</i> , <b>2007</b> , 18, 1811-7	6.3	13
192	Preparation of Biointerface on Nanoparticles Surface by Atom Transfer Radical Polymerization. <i>Transactions of the Materials Research Society of Japan</i> , <b>2007</b> , 32, 555-558	0.2	4
191	Nanoscale Surface Grafting with Phospholipid Polymer to Lubricate Polypropylene Surface. <i>Transactions of the Materials Research Society of Japan</i> , <b>2007</b> , 32, 579-582	0.2	2
190	Bioadhesion of Polyion Complex (PLC) Hydrogels Composed of Amphiphilic Phospholipid Polymers. <i>Transactions of the Materials Research Society of Japan</i> , <b>2007</b> , 32, 595-598	0.2	
189	Efficacy of an MPC-BMA co-polymer as a nanotransporter for paclitaxel. <i>Anticancer Research</i> , <b>2007</b> , 27, 1431-5	2.3	29
188	Asymmetrically functional surface properties on biocompatible phospholipid polymer membrane for bioartificial kidney. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2006</b> , 77, 19-27	5.4	46
187	Stress response of adherent cells on a polymer blend surface composed of a segmented polyurethane and MPC copolymers. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2006</b> , 79, 476-84	5.4	39
186	Enzymatic photochemical sensing using luciferase-immobilized polymer nanoparticles covered with artificial cell membrane. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2006</b> , 17, 1347-57	3.5	14
185	Protein resistant surfaces: comparison of acrylate graft polymers bearing oligo-ethylene oxide and phosphorylcholine side chains. <i>Biointerphases</i> , <b>2006</b> , 1, 50	1.8	132
184	Sequential enzymatic reactions and stability of biomolecules immobilized onto phospholipid polymer nanoparticles. <i>Biomacromolecules</i> , <b>2006</b> , 7, 171-5	6.9	49
183	Soft contact lens biomaterials from bioinspired phospholipid polymers. <i>Expert Review of Medical Devices</i> , <b>2006</b> , 3, 167-74	3.5	122

182	Dimension of Poly(2-methacryloyloxyethyl phosphorylcholine) in Aqueous Solutions with Various Ionic Strength. <i>Chemistry Letters</i> , <b>2006</b> , 35, 1310-1311	1.7	29
181	2006 Frank Stinchfield Award: grafting of biocompatible polymer for longevity of artificial hip joints. <i>Clinical Orthopaedics and Related Research</i> , <b>2006</b> , 453, 58-63	2.2	47
180	High functional hollow fiber membrane modified with phospholipid polymers for a liver assist bioreactor. <i>Biomaterials</i> , <b>2006</b> , 27, 1955-62	15.6	55
179	Biomimetic phosphorylcholine polymer grafting from polydimethylsiloxane surface using photo-induced polymerization. <i>Biomaterials</i> , <b>2006</b> , 27, 5151-60	15.6	204
178	Dual mode bioreactions on polymer nanoparticles covered with phosphorylcholine group. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2006</b> , 50, 55-60	6	21
177	Water structure and improved mechanical properties of phospholipid polymer hydrogel with phosphorylcholine centered intermolecular cross-linker. <i>Polymer</i> , <b>2006</b> , 47, 1390-1396	3.9	71
176	101 Infection resistant implants with nanotechnology. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , <b>2006</b> , 2005.18, 9-10	0	
175	Comparing investigation of the testing of blood-compatibility for different biomaterials under both static and pulsatile conditions. <i>Journal of Life Support Engineering</i> , <b>2006</b> , 18, 37-37	0	
174	Adsorption of fibrinogen and lysozyme on silicon grafted with poly(2-methacryloyloxyethyl phosphorylcholine) via surface-initiated atom transfer radical polymerization. <i>Langmuir</i> , <b>2005</b> , 21, 5980-7	3.9	319
173	Cell engineering biointerface focusing on cytocompatibility using phospholipid polymer with an isomeric oligo(lactic acid) segment. <i>Biomacromolecules</i> , <b>2005</b> , 6, 1797-802	6.9	24
172	Synthesis of well-defined amphiphilic block copolymers having phospholipid polymer sequences as a novel biocompatible polymer micelle reagent. <i>Biomacromolecules</i> , <b>2005</b> , 6, 663-70	6.9	177
171	Facilitated Disassembly of Polyplexes Composed of Self-assembling Amphiphilic Polycations Enhances the Gene Transfer Efficacy. <i>Chemistry Letters</i> , <b>2005</b> , 34, 1478-1479	1.7	11
170	Network structure of spontaneously forming physically cross-link hydrogel composed of two-water soluble phospholipid polymers. <i>Polymer</i> , <b>2005</b> , 46, 4704-4713	3.9	16
169	In situ modification on cellulose acetate hollow fiber membrane modified with phospholipid polymer for biomedical application. <i>Journal of Membrane Science</i> , <b>2005</b> , 249, 133-141	9.6	51
168	Design of functional hollow fiber membranes modified with phospholipid polymers for application in total hemopurification system. <i>Biomaterials</i> , <b>2005</b> , 26, 5032-41	15.6	41
167	Spontaneously forming hydrogel from water-soluble random- and block-type phospholipid polymers. <i>Biomaterials</i> , <b>2005</b> , 26, 6853-62	15.6	27
166	Phospholipid polymer surfaces reduce bacteria and leukocyte adhesion under dynamic flow conditions. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2005</b> , 73, 359-66	5.4	50
165	Molecular design of reactive amphiphilic phospholipid polymer for bioconjugation with an enzyme. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 95, 615-622	2.9	17



164	Phosphorylcholine-containing polymers for biomedical applications. <i>Analytical and Bioanalytical Chemistry</i> , <b>2005</b> , 381, 534-46	4.4	284
163	Photo-immobilization of a phospholipid polymer for surface modification. <i>Biomaterials</i> , <b>2005</b> , 26, 1381-815.6	15.6	72
162	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> , <b>2005</b> , 43, 6073-6083	2.5	64
161	Artificial Biomembrane Approach for Tissue Regeneration. <i>Hyomen Kagaku</i> , <b>2004</b> , 25, 23-29		2
160	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> , <b>2004</b> , 15, 1153-66	3.5	11
159	Surface grafting of artificial joints with a biocompatible polymer for preventing periprosthetic osteolysis. <i>Nature Materials</i> , <b>2004</b> , 3, 829-36	27	467
158	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> , <b>2004</b> , 23, 261-70	5.1	40
157	Effect of water-soluble phospholipid polymers conjugated with papain on the enzymatic stability. <i>Biomaterials</i> , <b>2004</b> , 25, 71-6	15.6	45
156	Polyethylene/phospholipid polymer alloy as an alternative to poly(vinylchloride)-based materials. <i>Biomaterials</i> , <b>2004</b> , 25, 1115-22	15.6	34
155	Highly stabilized papain conjugated with water-soluble phospholipid polymer chain having a reacting terminal group. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 91, 827-832	2.9	14
154	Modeling of swelling and drug release behavior of spontaneously forming hydrogels composed of phospholipid polymers. <i>International Journal of Pharmaceutics</i> , <b>2004</b> , 275, 259-69	6.5	54
153	Dynamic motion of phosphorylcholine groups at the surface of poly(2-methacryloyloxyethyl phosphorylcholine-random-2,2,2-trifluoroethyl methacrylate). <i>Journal of Colloid and Interface Science</i> , <b>2004</b> , 274, 465-71	9.3	33
152	Synthesis of hydrophilic cross-linker having phosphorylcholine-like linkage for improvement of hydrogel properties. <i>Polymer</i> , <b>2004</b> , 45, 7499-7504	3.9	45
151	Nano-scale surface modification of a segmented polyurethane with a phospholipid polymer. <i>Biomaterials</i> , <b>2004</b> , 25, 5353-61	15.6	52
150	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> , <b>2004</b> , 4, 4-6	7.2	46
149	Hydrogen-bonding-driven spontaneous gelation of water-soluble phospholipid polymers in aqueous medium. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2004</b> , 15, 631-44	3.5	27
148	Evaluation of 2-methacryloyloxyethyl phosphorylcholine polymeric nanoparticle for immunoassay of C-reactive protein detection. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 2649-55	7.8	83
147	Regulation of enzyme-substrate complexation by a substrate conjugated with a phospholipid polymer. <i>Biomacromolecules</i> , <b>2004</b> , 5, 858-62	6.9	27

146	A Water-Soluble Phospholipid Polymer as a New Biocompatible Synthetic DNA Carrier. <i>Bulletin of the Chemical Society of Japan</i> , <b>2004</b> , 77, 2283-2288	5.1	18
145	Investigation of in vitro blood compatibility test method of biomaterials for artificial hearts. <i>Journal of Life Support Engineering</i> , <b>2004</b> , 16, 157-158	0	
144	A challenge to establish in vitro anti-thrombogenic test methodology for artificial organs using a novel air-contactless pulsatile simulator. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , <b>2004</b> , 2004.16, 217-218	0	1
143	Bioinspired Polymer Surfaces for Prevention of Bioresponse. <i>Materials Science Forum</i> , <b>2003</b> , 426-432, 3171-3176	0.4	2
142	In vitro and ex vivo blood compatibility study of 2-methacryloyloxyethyl phosphorylcholine (MPC) copolymer-coated hemodialysis hollow fibers. <i>Journal of Artificial Organs</i> , <b>2003</b> , 6, 260-6	1.8	32
141	Suppression of the inflammatory response from adherent cells on phospholipid polymers. <i>Journal of Biomedical Materials Research Part B</i> , <b>2003</b> , 64, 411-6		89
140	Enhanced solubility of paclitaxel using water-soluble and biocompatible 2-methacryloyloxyethyl phosphorylcholine polymers. <i>Journal of Biomedical Materials Research Part B</i> , <b>2003</b> , 65, 209-14		119
139	Biodegradable Phosphorylcholine Polymer Hydrogels Cross-Linked with Vinyl-Functionalized Polyphosphate. <i>Macromolecular Bioscience</i> , <b>2003</b> , 3, 238-242	5.5	18
138	Domain-controlled polymer alloy composed of segmented polyurethane and phospholipid polymer for biomedical applications. <i>Science and Technology of Advanced Materials</i> , <b>2003</b> , 4, 523-530	7.1	17
137	Platelet compatible blood filtration fabrics using a phosphorylcholine polymer having high surface mobility. <i>Biomaterials</i> , <b>2003</b> , 24, 3599-604	15.6	51
136	Degradation of phospholipid polymer hydrogel by hydrogen peroxide aiming at insulin release device. <i>Biomaterials</i> , <b>2003</b> , 24, 5183-90	15.6	39
135	Molecular recognition of alcohol by volume phase transition of cross-linked poly(2-methacryloyloxyethyl phosphorylcholine) gel. <i>Science and Technology of Advanced Materials</i> , <b>2003</b> , 4, 93-98	7.1	26
134	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> , <b>2003</b> , 28, 53-62	6	52
133	Phosphorylcholine and poly(D,L-lactic acid) containing copolymers as substrates for cell adhesion. <i>Artificial Organs</i> , <b>2003</b> , 27, 242-8	2.6	26
132	Structure of Water in the Vicinity of Phospholipid Analogue Copolymers As Studied by Vibrational Spectroscopy. <i>Langmuir</i> , <b>2003</b> , 19, 10260-10266	4	134
131	Development of a novel air-contactless pulsatile circuit for in vitro anti-thrombogenic tests of artificial organs. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , <b>2003</b> , 2003.15, 361-362	0	
130	Thermal property and processability of elastomeric polymer alloy composed of segmented polyurethane and phospholipid polymer. <i>Journal of Biomedical Materials Research Part B</i> , <b>2002</b> , 62, 214-21		13
129	Stabilized liposomes with phospholipid polymers and their interactions with blood cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2002</b> , 25, 325-333	6	13

128	Protein adsorption-resistant hollow fibers for blood purification. <i>Artificial Organs</i> , <b>2002</b> , 26, 1014-9	2.6	37
127	Biocompatible polymer alloy membrane for implantable artificial pancreas. <i>Journal of Membrane Science</i> , <b>2002</b> , 208, 39-48	9.6	31
126	The vascular prosthesis without pseudointima prepared by antithrombogenic phospholipid polymer. <i>Biomaterials</i> , <b>2002</b> , 23, 1455-9	15.6	66
125	Reduction of surface-induced inflammatory reaction on PLGA/MPC polymer blend. <i>Biomaterials</i> , <b>2002</b> , 23, 3897-903	15.6	109
124	Physical properties and blood compatibility of surface-modified segmented polyurethane by semi-interpenetrating polymer networks with a phospholipid polymer. <i>Biomaterials</i> , <b>2002</b> , 23, 4881-7	15.6	67
123	Importance of a biofouling-resistant phospholipid polymer to create a heparinized blood-compatible surface. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2002</b> , 13, 323-35	3.5	9
122	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> , <b>2002</b> , 13, 1259-69	3.5	21
121	Stereocomplex formation by enantiomeric poly(lactic acid) graft-type phospholipid polymers for tissue engineering. <i>Biomacromolecules</i> , <b>2002</b> , 3, 1109-14	6.9	46
120	Cell adhesion and morphology in porous scaffold based on enantiomeric poly(lactic acid) graft-type phospholipid polymers. <i>Biomacromolecules</i> , <b>2002</b> , 3, 1375-83	6.9	59
119	Characterization of the spontaneously forming hydrogels composed of water-soluble phospholipid polymers. <i>Biomacromolecules</i> , <b>2002</b> , 3, 100-5	6.9	36
118	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> , <b>2002</b> , 13, 213-24	3.5	61
117	Preparation of blood-compatible hollow fibers from a polymer alloy composed of polysulfone and 2-methacryloyloxyethyl phosphorylcholine polymer. <i>Journal of Biomedical Materials Research Part B</i> , <b>2002</b> , 63, 333-41		63
116	Preparation and performance of protein-adsorption-resistant asymmetric porous membrane composed of polysulfone/phospholipid polymer blend. <i>Biomaterials</i> , <b>2001</b> , 22, 243-51	15.6	120
115	Preparation of nanoparticles composed with bioinspired 2-methacryloyloxyethyl phosphorylcholine polymer. <i>Biomaterials</i> , <b>2001</b> , 22, 1883-9	15.6	102
114	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> , <b>2001</b> , 57, 72-8		55
113	Electroosmosis injection of blood serum into biocompatible microcapillary chip fabricated on quartz plate. <i>Electrophoresis</i> , <b>2001</b> , 22, 341-7	3.6	30
112	Synthesis of novel phospholipid polymers by polycondensation. <i>Macromolecular Rapid Communications</i> , <b>2000</b> , 21, 287-290	4.8	8
111	Restoration of segmental bone defects in rabbit radius by biodegradable capsules containing recombinant human bone morphogenetic protein-2. <i>Journal of Biomedical Materials Research Part B</i> , <b>2000</b> , 50, 191-8		32

110	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> , <b>2000</b> , 52, 128-34		16
109	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> , <b>2000</b> , 52, 24-9		8
108	Semi-interpenetrating polymer networks composed of biocompatible phospholipid polymer and segmented polyurethane. <i>Journal of Biomedical Materials Research Part B</i> , <b>2000</b> , 52, 701-8		47
107	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> , <b>2000</b> , 38, 3052-3058	2.5	26
106	Biocompatible elastomers composed of segmented polyurethane and 2-methacryloyloxyethyl phosphorylcholine polymer. <i>Polymers for Advanced Technologies</i> , <b>2000</b> , 11, 626-634	3.2	20
105	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> , <b>2000</b> , 24, 23-8	2.6	45
104	Photoinduced graft polymerization of 2-methacryloyloxyethyl phosphorylcholine on polyethylene membrane surface for obtaining blood cell adhesion resistance. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2000</b> , 18, 325-335	6	167
103	Biocompatibility of MPC: in vivo evaluation for clinical application. <i>Journal of Artificial Organs</i> , <b>2000</b> , 3, 39-46	1.8	13
102	Polymeric Lipid Nanosphere Composed of Hemocompatible Phospholipid Polymers as Drug Carrier. <i>ACS Symposium Series</i> , <b>2000</b> , 324-334	0.4	3
101	Antithrombogenic polymer alloy composed of 2-methacryloyloxyethyl phosphorylcholine polymer and segmented polyurethane. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2000</b> , 11, 1183-95	3.5	31
100	New polymeric biomaterials-phospholipid polymers with a biocompatible surface. <i>Frontiers of Medical and Biological Engineering: the International Journal of the Japan Society of Medical Electronics and Biological Engineering</i> , <b>2000</b> , 10, 83-95		30
99	Raman Spectroscopic Study on the Structure of Water in Aqueous Polyelectrolyte Solutions□ <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 11425-11429	3.4	145
98	Water-Soluble 2-Methacryloyloxyethyl Phosphorylcholine Copolymer as a Novel Synthetic Blocking Reagent in Immunoassay System. <i>Polymer Journal</i> , <b>2000</b> , 32, 637-641	2.7	32
97	Semi-interpenetrating polymer networks composed of biocompatible phospholipid polymer and segmented polyurethane <b>2000</b> , 52, 701		1
96	Modification of polysulfone with phospholipid polymer for improvement of the blood compatibility. Part 2. Protein adsorption and platelet adhesion. <i>Biomaterials</i> , <b>1999</b> , 20, 1553-9	15.6	191
95	Modification of polysulfone with phospholipid polymer for improvement of the blood compatibility. Part 1. Surface characterization. <i>Biomaterials</i> , <b>1999</b> , 20, 1545-51	15.6	144
94	The effect of the chemical structure of the phospholipid polymer on fibronectin adsorption and fibroblast adhesion on the gradient phospholipid surface. <i>Biomaterials</i> , <b>1999</b> , 20, 2185-91	15.6	74
93	Multifunctional biocompatible membrane and its application to fabricate a miniaturized glucose sensor with potential for use in vivo. <i>Biomedical Microdevices</i> , <b>1999</b> , 1, 155-66	3.7	8

92	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> , <b>1999</b> , 73, 2541-2544	2.9	25
91	Total hip arthroplasty using bone cement containing tri-n-butylborane as the initiator. <i>Journal of Biomedical Materials Research Part B</i> , <b>1999</b> , 48, 759-63		10
90	The role of recombinant human bone morphogenetic protein-2 in PLGA capsules at an extraskeletal site of the rat. <i>Journal of Biomedical Materials Research Part B</i> , <b>1999</b> , 45, 36-41		36
89	Behavior of blood cells in contact with water-soluble phospholipid polymer. <i>Journal of Biomedical Materials Research Part B</i> , <b>1999</b> , 46, 360-7		22
88	Stabilization of an antibody conjugated with enzyme by 2-methacryloyloxyethyl phosphorylcholine copolymer in enzyme-linked immunosorbent assay. <i>Journal of Biomedical Materials Research Part B</i> , <b>1999</b> , 47, 523-8		38
87	Improvement of blood compatibility on cellulose hemodialysis membrane: IV. Phospholipid polymer bonded to the membrane surface. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1999</b> , 10, 271-82	3.5	43
86	Competitive adsorption between phospholipid and plasma protein on a phospholipid polymer surface. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1999</b> , 10, 513-29	3.5	22
85	Inhibition of fibroblast cell adhesion on substrate by coating with 2-methacryloyloxyethyl phosphorylcholine polymers. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1999</b> , 10, 1047-61	3.5	137
84	Polymeric Lipid Nanosphere Consisting of Water-Soluble Poly(2-methacryloyloxyethyl phosphorylcholine-co-n-butyl methacrylate). <i>Polymer Journal</i> , <b>1999</b> , 31, 1231-1236	2.7	91
83	Barrier Properties of a Phospholipid Polymer Hydrogel Membrane and Its Enhancement of Stratum Corneum Function.. <i>Journal of Society of Cosmetic Chemists of Japan</i> , <b>1999</b> , 33, 147-153	0	1
82	Why do phospholipid polymers reduce protein adsorption?. <i>Journal of Biomedical Materials Research Part B</i> , <b>1998</b> , 39, 323-30		838
81	Short-term in vivo evaluation of small-diameter vascular prosthesis composed of segmented poly(etherurethane)/2-methacryloyloxyethyl phosphorylcholine polymer blend. <i>Journal of Biomedical Materials Research Part B</i> , <b>1998</b> , 43, 15-20		64
80	Platelet adhesion on the gradient surfaces grafted with phospholipid polymer. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1998</b> , 9, 801-16	3.5	37
79	Biocompatible Microdialysis Hollow-Fiber Probes for Long-Term In Vivo Glucose Monitoring. <i>ACS Symposium Series</i> , <b>1998</b> , 24-33	0.4	7
78	Reduced protein adsorption on novel phospholipid polymers. <i>Journal of Biomaterials Applications</i> , <b>1998</b> , 13, 111-27	2.9	71
77	Biomedical Engineering. Relationship between Blood Compatibility and Nonthrombogenic Polymer Surfaces.. <i>Kagaku Kogaku Ronbunshu</i> , <b>1998</b> , 24, 217-221	0.4	
76	Why do phospholipid polymers reduce protein adsorption? <b>1998</b> , 39, 323		3
75	Why do phospholipid polymers reduce protein adsorption? <b>1998</b> , 39, 323		1

74	Why do phospholipid polymers reduce protein adsorption? <b>1998</b> , 39, 323		22
73	Short-term in vivo evaluation of small-diameter vascular prosthesis composed of segmented poly(etherurethane)/2-methacryloyloxyethyl phosphorylcholine polymer blend <b>1998</b> , 43, 15		1
72	Enhanced strength in cemented stem fixation using adhesive acrylic cement as a metal coating material. <i>Journal of Biomedical Materials Research Part B</i> , <b>1997</b> , 34, 171-5		12
71	Reduction of surface-induced platelet activation on phospholipid polymer. <i>Journal of Biomedical Materials Research Part B</i> , <b>1997</b> , 36, 508-15		77
70	Examination of hydroxyapatite filled 4-META/MMA-TBB adhesive bone cement in vitro and in vivo environment. <i>Journal of Biomedical Materials Research Part B</i> , <b>1997</b> , 38, 11-6		24
69	Reduction of surface-induced platelet activation on phospholipid polymer <b>1997</b> , 36, 508		1
68	Effect of reduced protein adsorption on platelet adhesion at the phospholipid polymer surfaces. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1996</b> , 8, 151-63	3.5	46
67	Protein adsorption and platelet adhesion on polymer surfaces having phospholipid polar group connected with oxyethylene chain. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1996</b> , 8, 91-102	3.5	27
66	Nonthrombogenic polymers - designs and evaluation. <i>Macromolecular Symposia</i> , <b>1996</b> , 101, 405-412	0.8	15
65	Synthesis of polymers having a phospholipid polar group connected to a poly(oxyethylene) chain and their protein adsorption-resistance properties. <i>Journal of Polymer Science Part A</i> , <b>1996</b> , 34, 199-205	2.5	43
64	Ectopic induction of cartilage and bone by bovine bone morphogenetic protein using a biodegradable polymeric reservoir. <i>Journal of Biomedical Materials Research Part B</i> , <b>1996</b> , 30, 1-4		22
63	Improved blood compatibility of segmented polyurethanes by polymeric additives having phospholipid polar groups. I. Molecular design of polymeric additives and their functions. <i>Journal of Biomedical Materials Research Part B</i> , <b>1996</b> , 32, 391-9		98
62	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. <i>Journal of Biomedical Materials Research Part B</i> , <b>1996</b> , 32, 401-8		49
61	Bone morphogenetic protein encapsulated with a biodegradable and biocompatible polymer. <i>Journal of Biomedical Materials Research Part B</i> , <b>1996</b> , 32, 433-8		56
60	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 <b>1996</b> , 32, 401		1
59	Bone morphogenetic protein encapsulated with a biodegradable and biocompatible polymer <b>1996</b> , 32, 433		1
58	Synthesis of polymers having a phospholipid polar group connected to a poly(oxyethylene) chain and their protein adsorption-resistance properties <b>1996</b> , 34, 199		1
57	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> , <b>1995</b> , 16, 873-9	15.6	130

56	Hemocompatible cellulose dialysis membranes modified with phospholipid polymers. <i>Artificial Organs</i> , <b>1995</b> , 19, 1215-21	2.6	15
55	Reduced Protein Adsorption on Polymer Surface Covered with a Self-Assembled Biomimetic Membrane. <i>ACS Symposium Series</i> , <b>1995</b> , 385-394	0.4	
54	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. <i>Journal of Biomedical Materials Research Part B</i> , <b>1995</b> , 29, 181-8		49
53	Adsorption-desorption of proteins on phospholipid polymer surfaces evaluated by dynamic contact angle measurement. <i>Journal of Biomedical Materials Research Part B</i> , <b>1995</b> , 29, 381-7		49
52	Synthesis of graft copolymers having phospholipid polar group by macromonomer method and their properties in water. <i>Journal of Polymer Science Part A</i> , <b>1994</b> , 32, 859-867	2.5	39
51	Assessment of adsorption of liposomes on a phospholipid polymer surface using a quartz crystal microbalance. <i>Macromolecular Rapid Communications</i> , <b>1994</b> , 15, 319-326	4.8	16
50	Hemocompatibility on graft copolymers composed of poly(2-methacryloyloxyethyl phosphorylcholine) side chain and poly(n-butyl methacrylate) backbone. <i>Journal of Biomedical Materials Research Part B</i> , <b>1994</b> , 28, 225-32		113
49	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> , <b>1994</b> , 28, 1347-55		31
48	New Biocompatible Polymer. <i>ACS Symposium Series</i> , <b>1994</b> , 194-210	0.4	8
47	Improvement of hemocompatibility on a cellulose dialysis membrane with a novel biomedical polymer having a phospholipid polar group. <i>Artificial Organs</i> , <b>1994</b> , 18, 559-64	2.6	34
46	Biocompatible needle-type glucose sensor with potential for use in vivo. <i>Electroanalysis</i> , <b>1993</b> , 5, 269-276		17
45	Effects of phospholipid adsorption on nonthrombogenicity of polymer with phospholipid polar group. <i>Journal of Biomedical Materials Research Part B</i> , <b>1993</b> , 27, 1309-14		68
44	Ferrocene-mediated needle-type glucose sensor covered with newly designed biocompatible membrane. <i>Sensors and Actuators B: Chemical</i> , <b>1993</b> , 13, 319-322	8.5	25
43	Preparation and Visible Light Polymerization of Triethyleneglycol Acrylate Methacrylate. <i>Polymer Journal</i> , <b>1992</b> , 24, 357-363	2.7	3
42	Perparation of 2-Methacryloyloxyethyl Phosphorylcholine Copolymers with Alkyl Methacrylates and Their Blood Compatibility.. <i>Polymer Journal</i> , <b>1992</b> , 24, 1259-1269	2.7	316
41	Protein adsorption resistible membrane for biosensor composed of polymer with phospholipid polar group. <i>Journal of Polymer Science Part A</i> , <b>1992</b> , 30, 929-932	2.5	18
40	Improvement of blood compatibility on cellulose dialysis membrane. I. Grafting of 2-methacryloyloxyethyl phosphorylcholine on to a cellulose membrane surface. <i>Biomaterials</i> , <b>1992</b> , 13, 145-9	15.6	59
39	Improvement of blood compatibility on cellulose dialysis membrane. 2. Blood compatibility of phospholipid polymer grafted cellulose membrane. <i>Biomaterials</i> , <b>1992</b> , 13, 235-9	15.6	54

38	Adhesive bone cement containing hydroxyapatite particle as bone compatible filler. <i>Journal of Biomedical Materials Research Part B</i> , <b>1992</b> , 26, 937-45		90
37	Hemocompatibility of human whole blood on polymers with a phospholipid polar group and its mechanism. <i>Journal of Biomedical Materials Research Part B</i> , <b>1992</b> , 26, 1543-52		361
36	Temperature effect on drug release from poly(2-methacryloyloxyethyl phosphorylcholine-co-n-butylmethacrylate) membrane.. <i>Membrane</i> , <b>1992</b> , 17, 403-408	0	4
35	Protein adsorption from human plasma is reduced on phospholipid polymers. <i>Journal of Biomedical Materials Research Part B</i> , <b>1991</b> , 25, 1397-407		392
34	Specific interaction between water-soluble phospholipid polymer and liposome. <i>Journal of Polymer Science Part A</i> , <b>1991</b> , 29, 831-835	2.5	19
33	Protein adsorption on biomedical polymers with a phosphorylcholine moiety adsorbed with phospholipid. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1991</b> , 3, 185-94	3.5	45
32	Nonthrombogenic Polymer Materials. <i>Journal of Fiber Science and Technology</i> , <b>1991</b> , 47, P126-P132	0	
31	Reduced thrombogenicity of polymers having phospholipid polar groups. <i>Journal of Biomedical Materials Research Part B</i> , <b>1990</b> , 24, 1069-77		333
30	Novel organosilicon-containing polymers for an oxygen permselective membrane. <i>Die Makromolekulare Chemie</i> , <b>1990</b> , 191, 2103-2110		10
29	Thermally responsive release of 5-fluorouracil from a biocompatible hydrogel membrane with phospholipid structure. <i>Die Makromolekulare Chemie Rapid Communications</i> , <b>1990</b> , 11, 345-348		7
28	Preparation of Phospholipid Polymers and Their Properties as Polymer Hydrogel Membranes. <i>Polymer Journal</i> , <b>1990</b> , 22, 355-360	2.7	930
27	Adhesive bone cement both to bone and metals: 4-META in MMA initiated with tri-n-butyl borane. <i>Journal of Biomedical Materials Research Part B</i> , <b>1989</b> , 23, 1475-82		35
26	Poly[4-bis(trimethylsilyl)methylstyrene] for an oxygen-permeable membrane. <i>Die Makromolekulare Chemie Rapid Communications</i> , <b>1989</b> , 10, 255-258		20
25	Preparation and permeability of urea-responsive polymer membrane consisting of immobilized urease and poly(aromatic carboxylic acid). <i>Journal of Polymer Science, Polymer Letters Edition</i> , <b>1985</b> , 23, 531-535		13
24	pH-induced reversible permeability control of the 4-carboxy acrylanilide-methyl methacrylate copolymer membrane. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , <b>1985</b> , 23, 2841-2850		12
23	Design of polymer membrane with permselectivity for water/ethanol mixture. II. Preparation of crosslinked poly(methyl acrylate) membrane with diethylene triamine and its permselectivity. <i>Journal of Applied Polymer Science</i> , <b>1985</b> , 30, 179-188	2.9	19
22	Glucose Induced Permeation Control of Insulin through a Complex Membrane Consisting of Immobilized Glucose Oxidase and a Poly(amine). <i>Polymer Journal</i> , <b>1984</b> , 16, 625-631	2.7	208
21	Controlled release of organic substances using polymer membrane with responsive function for amino compounds. <i>Journal of Applied Polymer Science</i> , <b>1984</b> , 29, 211-217	2.9	78



20	Photocontrolled release of ethyl 4-aminobenzoate from a 2-(4-phenylazobenzoyloxy)ethyl methacrylate-ethyl methacrylate copolymer device. <i>Die Makromolekulare Chemie Rapid Communications</i> , <b>1984</b> , 5, 459-462		4
19	Photoinduced permeation control of proteins using amphiphilic azoaromatic polymer membrane. <i>Journal of Polymer Science, Polymer Letters Edition</i> , <b>1984</b> , 22, 515-518		18
18	Photoinduced swelling control of amphiphilic azoaromatic polymer membrane. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , <b>1984</b> , 22, 121-128		45
17	Photoresponse of the release behavior of an organic compound by a azoaromatic polymer device. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , <b>1984</b> , 22, 881-884		28
16	Photoinduced reversible pH change in aqueous solution of azoaromatic poly(carboxylic acid). <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , <b>1984</b> , 22, 3687-3695		4
15	Photo-induced change in surface free energy of azoaromatic polymers. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , <b>1983</b> , 21, 1551-1555		22
14	Preparation of photoresponsive polymeric adsorbent containing amphiphilic polymer with azobenzene moiety and its application for cell adhesion chromatography. <i>Journal of Applied Polymer Science</i> , <b>1983</b> , 28, 1321-1329	2.9	17
13	Control of insulin permeation through a polymer membrane with responsive function for glucose. <i>Die Makromolekulare Chemie Rapid Communications</i> , <b>1983</b> , 4, 327-331		77
12	Permselectivity of Liquid Polymer Hybrid Membrane Composed of Carbon Tetrachloride and 2-Hydroxyethyl Acrylate-Acrylonitrile Graft Copolymer for Ethanol-Water Mixture. <i>Polymer Journal</i> , <b>1983</b> , 15, 827-834	2.7	10
11	Photo-induced change in wettability and binding ability of azoaromatic polymers. <i>Journal of Applied Polymer Science</i> , <b>1982</b> , 27, 239-245	2.9	40
10	Photocontrolled adsorption chromatography for lysozyme using azoaromatic polymer. <i>Journal of Applied Polymer Science</i> , <b>1982</b> , 27, 1897-1902	2.9	15
9	Separation of proteins by polymeric adsorbents containing azobenzene moiety as a ligand. <i>Journal of Applied Polymer Science</i> , <b>1982</b> , 27, 4273-4282	2.9	8
8	Preparation of polymer membranes with responsive function for amino compounds. <i>Polymer Bulletin</i> , <b>1982</b> , 7, 457-463	2.4	5
7	Complex formation of amphiphilic polymers with azo dyes and their photoviscosity behavior. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , <b>1982</b> , 20, 1907-1916		11
6	Regulation of binding and releasing of cephalosporins by photoresponsive polymeric adsorbent. <i>Die Makromolekulare Chemie Rapid Communications</i> , <b>1981</b> , 2, 95-98		6
5	Photoregulated binding ability of a polymeric adsorbent containing a spiro[2H-chromen-2,2'-indoline] moiety. <i>Die Makromolekulare Chemie Rapid Communications</i> , <b>1981</b> , 2, 617-620		8
4	Adsorption of photochromic azo dye onto styrene-divinylbenzene copolymer. <i>Journal of Polymer Science, Polymer Letters Edition</i> , <b>1981</b> , 19, 593-597		5
3	Photoregulated binding ability of azoaromatic polymer for surfactant. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , <b>1981</b> , 19, 3039-3046		5

## 2 Artificial Joints330-355

- 1 Water-soluble polymer micelles formed from amphiphilic diblock copolymers bearing pendant phosphorylcholine and methoxyethyl groups. *Polymer Journal*,

2.7 2