Yoon Ki Joung

List of Publications by Year in Descending Order

97 papers	3,240 citations	33 h-index	54 g-index
99 ext. papers	3,624 ext. citations	6.9 avg, IF	5.3 L-index

#	Paper	IF	Citations
97	Surface-Modifying Effect of Zwitterionic Polyurethane Oligomers Complexed with Metal Ions on Blood Compatibility. *Tissue Engineering and Regenerative Medicine*, **2021**, 1	4.5	3
96	Exosomes and Supported Lipid Layers as Advanced Naturally Derived Drug Delivery Systems **2021**, 361-373		1
95	A Robustly Supported Extracellular Matrix Improves the Intravascular Delivery Efficacy of Endothelial Progenitor Cells. *Advanced Functional Materials*, **2021**, 31, 2100324	15.6	1
94	Thermosensitive gallic acid-conjugated hexanoyl glycol chitosan as a novel wound healing biomaterial. *Carbohydrate Polymers*, **2021**, 260, 117808	10.3	9
93	Endothelial Cell-Derived Tethered Lipid Bilayers Generating Nitric Oxide for Endovascular Implantation.. *ACS Applied Bio Materials*, **2021**, 4, 6381-6393	4.1	2
92	Anti-thrombotic polymer surfaces modified with zwitterionic and fluorinated surface-migrating oligomers. *Surfaces and Interfaces*, **2021**, 25, 101280	4.1	0
91	Comparing the cytotoxic effect of light-emitting and organic light-emitting diodes based light therapy on human adipose-derived stem cells. *Journal of Industrial and Engineering Chemistry*, **2021**, 103, 239-246	6.3	2
90	Late endothelial progenitor cell-capture stents with CD146 antibody and nanostructure reduce in-stent restenosis and thrombosis. *Acta Biomaterialia*, **2020**, 111, 91-101	10.8	16
89	Surface-Modifying Polymers for Blood-Contacting Polymeric Biomaterials. *Advances in Experimental Medicine and Biology*, **2020**, 1250, 189-198	3.6	2
88	Balanced adhesion and cohesion of chitosan matrices by conjugation and oxidation of catechol for high-performance surgical adhesives. *Carbohydrate Polymers*, **2020**, 248, 116760	10.3	8
87	Scaffold-supported extracellular matrices preserved by magnesium hydroxide nanoparticles for renal tissue regeneration. *Biomaterials Science*, **2020**, 8, 5427-5440	7.4	5
86	A Bioinspired Scaffold with Anti-Inflammatory Magnesium Hydroxide and Decellularized Extracellular Matrix for Renal Tissue Regeneration. *ACS Central Science*, **2019**, 5, 458-467	16.8	41
85	Persulfated flavonoids accelerated re-endothelialization and improved blood compatibility for vascular medical implants. *Colloids and Surfaces B: Biointerfaces*, **2019**, 181, 174-184	6	8
84	Nitric oxide releasing lipid bilayer tethered on titanium and its effects on vascular cells. *Journal of Industrial and Engineering Chemistry*, **2019**, 80, 811-819	6.3	9
83	Synergistically enhanced osteoconductivity and anti-inflammation of PLGA/□TCP/Mg(OH) composite for orthopedic applications. *Materials Science and Engineering C*, **2019**, 94, 65-75	8.3	21
82	Covalent immobilization of fibroblast-derived matrix on metallic stent for expeditious re-endothelialization. *Journal of Industrial and Engineering Chemistry*, **2019**, 70, 385-393	6.3	5
81	Versatile effects of magnesium hydroxide nanoparticles in PLGA scaffold-mediated chondrogenesis. *Acta Biomaterialia*, **2018**, 73, 204-216	10.8	43

80	Recent alternative approaches of vascular drug-eluting stents. *Journal of Pharmaceutical Investigation*, **2018**, 48, 153-165	6.3	4
79	Biodegradable sheath-core biphasic monofilament braided stent for bio-functional treatment of esophageal strictures. *Journal of Industrial and Engineering Chemistry*, **2018**, 67, 396-406	6.3	11
78	Dual-Layer Coated Drug-Eluting Stents with Improved Degradation Morphology and Controlled Drug Release. *Macromolecular Research*, **2018**, 26, 641-649	1.9	2
77	Effect of various shaped magnesium hydroxide particles on mechanical and biological properties of poly(lactic- co -glycolic acid) composites. *Journal of Industrial and Engineering Chemistry*, **2018**, 59, 266-276	6.3	19
76	Tissue-Inspired Interfacial Coatings for Regenerative Medicine. *Advances in Experimental Medicine and Biology*, **2018**, 1077, 415-420	3.6	1
75	Sustained drug release using cobalt oxide nanowires for the preparation of polymer-free drug-eluting stents. *Journal of Biomaterials Applications*, **2018**, 33, 352-362	2.9	4
74	Coronary stents with inducible VEGF/HGF-secreting UCB-MSCs reduced restenosis and increased re-endothelialization in a swine model. *Experimental and Molecular Medicine*, **2018**, 50, 1-14	12.8	17
73	Modified Magnesium Hydroxide Nanoparticles Inhibit the Inflammatory Response to Biodegradable Poly(lactide- co-glycolide) Implants. *ACS Nano*, **2018**, 12, 6917-6925	16.7	48
72	Lipid-based carriers for controlled delivery of nitric oxide. *Expert Opinion on Drug Delivery*, **2017**, 14, 1348-1353	8	22
71	The effect of solvents and hydrophilic additive on stable coating and controllable sirolimus release system for drug-eluting stent. *Materials Science and Engineering C*, **2017**, 78, 39-46	8.3	9
70	Biopolymer-based functional composites for medical applications. *Progress in Polymer Science*, **2017**, 68, 77-105	29.6	207
69	Silicone rubber with mussel-inspired adhesive coatings for enhancing antifouling property and blood compatibility. *Macromolecular Research*, **2017**, 25, 841-848	1.9	11
68	Recent advances to accelerate re-endothelialization for vascular stents. *Journal of Tissue Engineering*, **2017**, 8, 2041731417731546	7.5	50
67	Nitric Oxide Releasing Coronary Stent: A New Approach Using Layer-by-Layer Coating and Liposomal Encapsulation. *Small*, **2016**, 12, 6012-6023	11	35
66	Effects of poly(L-lactide-ε-caprolactone) and magnesium hydroxide additives on physico-mechanical properties and degradation of poly(L-lactic acid). *Biomaterials Research*, **2016**, 20, 7	16.8	17
65	Growth factors-loaded stents modified with hyaluronic acid and heparin for induction of rapid and tight re-endothelialization. *Colloids and Surfaces B: Biointerfaces*, **2016**, 141, 602-610	6	31
64	Synergistic effect of anti-platelet and anti-inflammation of drug-coated Co-Cr substrates for prevention of initial in-stent restenosis. *Colloids and Surfaces B: Biointerfaces*, **2016**, 140, 353-360	6	9
63	Enhanced Patency and Endothelialization of Small-Caliber Vascular Grafts Fabricated by Coimmobilization of Heparin and Cell-Adhesive Peptides. *ACS Applied Materials & Interfaces*, **2016**, 8, 4336-46	9.5	74

62	Facile Surface Modification of Nitinol with Dopamine-Conjugated Hyaluronic Acid for Improving Blood Compatibility. *Journal of Biomaterials and Tissue Engineering*, **2016**, 6, 780-787	0.3	3
61	Advanced Stents for Cardiovascular Applications. *Biosystems and Biorobotics*, **2016**, 407-426	0.2	3
60	Optimal conjugation of catechol group onto hyaluronic acid in coronary stent substrate coating for the prevention of restenosis. *Journal of Tissue Engineering*, **2016**, 7, 2041731416683745	7.5	26
59	A Promising Approach for Improving the Coating Stability and In Vivo Performance of Biodegradable Polymer-Coated Sirolimus-Eluting Stent. *Journal of Biomedical Nanotechnology*, **2016**, 12, 2015-28	4	14
58	Optimized sirolimus-eluting stent by coating asymmetrically with biodegradable and cytocompatible polymers. *Asian Journal of Pharmaceutical Sciences*, **2016**, 11, 160-161	9	1
57	Fabrication and characteristics of dual functionalized vascular stent by spatio-temporal coating. *Acta Biomaterialia*, **2016**, 38, 143-52	10.8	22
56	Biomimetic Porous PLGA Scaffolds Incorporating Decellularized Extracellular Matrix for Kidney Tissue Regeneration. *ACS Applied Materials & Interfaces*, **2016**, 8, 21145-54	9.5	57
55	Effects of interfacial layer wettability and thickness on the coating morphology and sirolimus release for drug-eluting stent. *Journal of Colloid and Interface Science*, **2015**, 460, 189-99	9.3	20
54	Polymers for cell/tissue anti-adhesion. *Progress in Polymer Science*, **2015**, 44, 28-61	29.6	93
53	Effect of stromal cell derived factor-1α release from heparin-coated Co-Cr stent substrate on the recruitment of endothelial progenitor cells. *Macromolecular Research*, **2015**, 23, 1159-1167	1.9	8
52	Comparison of phytoncide with sirolimus as a novel drug candidate for drug-eluting stent. *Biomaterials*, **2015**, 44, 1-10	15.6	20
51	Fabrication and characteristics of anti-inflammatory magnesium hydroxide incorporated PLGA scaffolds formed with various porogen materials. *Macromolecular Research*, **2014**, 22, 210-218	1.9	13
50	A poly(lactide) stereocomplex structure with modified magnesium oxide and its effects in enhancing the mechanical properties and suppressing inflammation. *Small*, **2014**, 10, 3783-94	11	43
49	Evaluation of the effect of expansion and shear stress on a self-assembled endothelium mimicking nanomatrix coating for drug eluting stents in vitro and in vivo. *Biofabrication*, **2014**, 6, 035019	10.5	10
48	Effect of solvent on drug release and a spray-coated matrix of a sirolimus-eluting stent coated with poly(lactic-co-glycolic acid). *Langmuir*, **2014**, 30, 10098-106	4	21
47	Crack prevention of biodegradable polymer coating on metal facilitated by a nano-coupled interlayer. *Journal of Bioactive and Compatible Polymers*, **2014**, 29, 515-526	2	9
46	Reinforcement of interfacial adhesion of a coated polymer layer on a cobalt-chromium surface for drug-eluting stents. *Langmuir*, **2014**, 30, 8020-8	4	20
45	Effect of magnesium hydroxide nanoparticles with rod and plate shape on mechanical and biological properties of poly(L-lactide) composites. *Macromolecular Research*, **2014**, 22, 1032-1041	1.9	9

44	Biodegradable polymer brush as nanocoupled interface for improving the durability of polymer coating on metal surface. *Colloids and Surfaces B: Biointerfaces*, **2014**, 122, 808-817	6	22
43	Shape-memory effect by specific biodegradable polymer blending for biomedical applications. *Macromolecular Bioscience*, **2014**, 14, 667-78	5.5	47
42	In vivo bioluminescence imaging for viable human neural stem cells incorporated within in situ gelatin hydrogels. *EJNMMI Research*, **2014**, 4, 61	3.6	2
41	Precise ultrasonic coating and controlled release of sirolimus with biodegradable polymers for drug-eluting stent. *Biomaterials and Biomechanics in Bioengineering*, **2014**, 1, 13-25		3
40	Coating defects in polymer-coated drug-eluting stents. *Biomaterials and Biomechanics in Bioengineering*, **2014**, 1, 131-150		1
39	Biodegradable poly(l-lactide) composites by oligolactide-grafted magnesium hydroxide for mechanical reinforcement and reduced inflammation. *Journal of Materials Chemistry B*, **2013**, 1, 2764-2772	7.3	48
38	Heparin-conjugated pluronic nanogels as multi-drug nanocarriers for combination chemotherapy. *Molecular Pharmaceutics*, **2013**, 10, 685-93	5.6	30
37	Platelet-rich plasma loaded hydrogel scaffold enhances chondrogenic differentiation and maturation with up-regulation of CB1 and CB2. *Journal of Controlled Release*, **2012**, 159, 332-7	11.7	84
36	Controlled release of bone morphogenetic protein (BMP)-2 from nanocomplex incorporated on hydroxyapatite-formed titanium surface. *Journal of Controlled Release*, **2012**, 160, 676-84	11.7	83
35	Improvement of mechanical properties and blood compatibility of PLLA nanocomposites by incorporation of polyhedral oligomeric silsesquioxane. *Macromolecular Research*, **2012**, 20, 996-1001	1.9	6
34	In situ forming, metal-adhesive heparin hydrogel surfaces for blood-compatible coating. *Colloids and Surfaces B: Biointerfaces*, **2012**, 99, 102-7	6	33
33	Platelet-rich plasma loaded in situ-formed hydrogel enhances hyaline cartilage regeneration by CB1 upregulation. *Journal of Biomedical Materials Research - Part A*, **2012**, 100, 3099-107	5.4	22
32	Sustained cytoplasmic delivery and anti-viral effect of PLGA nanoparticles carrying a nucleic acid-hydrolyzing monoclonal antibody. *Pharmaceutical Research*, **2012**, 29, 932-42	4.5	10
31	Improvement of interfacial adhesion of biodegradable polymers coated on metal surface by nanocoupling. *Langmuir*, **2011**, 27, 14232-9	4	29
30	In situ forming and rutin-releasing chitosan hydrogels as injectable dressings for dermal wound healing. *Biomacromolecules*, **2011**, 12, 2872-80	6.9	198
29	The use of low molecular weight heparin-pluronic nanogels to impede liver fibrosis by inhibition the TGF-β/Smad signaling pathway. *Biomaterials*, **2011**, 32, 1438-45	15.6	48
28	Self-assembled nanogel of pluronic-conjugated heparin as a versatile drug nanocarrier. *Macromolecular Research*, **2011**, 19, 180-188	1.9	34
27	RGD-conjugated In Situ forming hydrogels as cell-adhesive injectable scaffolds. *Macromolecular Research*, **2011**, 19, 300-306	1.9	37

26	In situ cross-linkable gelatin–poly(ethylene glycol)–tyramine hydrogel viaenzyme-mediated reaction for tissue regenerative medicine. *Journal of Materials Chemistry*, **2011**, 21, 13180		95
25	In situ hydrogelation and RGD conjugation of tyramine-conjugated 4-arm PPO–PEO block copolymer for injectable bio-mimetic scaffolds. *Soft Matter*, **2011**, 7, 986-992	3.6	51
24	Targeting ligand-functionalized and redox-sensitive heparin-Pluronic nanogels for intracellular protein delivery. *Biomedical Materials (Bristol)*, **2011**, 6, 055004	3.5	34
23	In situ forming hydrogels based on tyramine conjugated 4-Arm-PPO-PEO via enzymatic oxidative reaction. *Biomacromolecules*, **2010**, 11, 706-12	6.9	139
22	Supramolecular hydrogels exhibiting fast in situ gel forming and adjustable degradation properties. *Biomacromolecules*, **2010**, 11, 617-25	6.9	70
21	CD34 monoclonal antibody-immobilized electrospun polyurethane for the endothelialization of vascular grafts. *Macromolecular Research*, **2010**, 18, 904-912	1.9	12
20	Intracellular delivery and anti-cancer effect of self-assembled heparin-Pluronic nanogels with RNase A. *Journal of Controlled Release*, **2010**, 147, 420-7	11.7	55
19	Heparin-Conjugated Nanointerfaces for Biomedical Applications **2009**, 247-271		
18	Fabrication of endothelial cell-specific polyurethane surfaces co-immobilized with GRGDS and YIGSR peptides. *Macromolecular Research*, **2009**, 17, 458-463	1.9	17
17	Optimized stability retention of a monoclonal antibody in the PLGA nanoparticles. *International Journal of Pharmaceutics*, **2009**, 368, 178-85	6.5	37
16	Thermosensitive chitosan-Pluronic hydrogel as an injectable cell delivery carrier for cartilage regeneration. *Acta Biomaterialia*, **2009**, 5, 1956-65	10.8	275
15	Nano-aggregates using thermosensitive chitosan copolymers as a nanocarrier for protein delivery. *Journal of Experimental Nanoscience*, **2009**, 4, 269-275	1.9	8
14	Controlled release of heparin-binding growth factors using heparin-containing particulate systems for tissue regeneration. *Expert Opinion on Drug Delivery*, **2008**, 5, 1173-84	8	68
13	RGD peptide-immobilized electrospun matrix of polyurethane for enhanced endothelial cell affinity. *Biomedical Materials (Bristol)*, **2008**, 3, 044104	3.5	48
12	An In Situ Gel-Forming Heparin-Conjugated PLGA-PEG-PLGA Copolymer. *Journal of Bioactive and Compatible Polymers*, **2008**, 23, 444-457	2	20
11	RGD-Conjugated chitosan-pluronic hydrogels as a cell supported scaffold for articular cartilage regeneration. *Macromolecular Research*, **2008**, 16, 517-523	1.9	76
10	In situ gel forming stereocomplex composed of four-arm PEG-PDLA and PEG-PLLA block copolymers. *Macromolecular Research*, **2008**, 16, 704-710	1.9	23
9	6-arm PLLA-PEG block copolymers for micelle formation and controlled drug release. *Macromolecular Research*, **2008**, 16, 66-69	1.9	19

8	Tetronic-oligolactide-heparin hydrogel as a multi-functional scaffold for tissue regeneration. *Macromolecular Bioscience*, **2008**, 8, 1152-60	5.5	23
7	Heparin-conjugated star-shaped PLA for improved biocompatibility. *Journal of Biomedical Materials Research - Part A*, **2008**, 86, 842-8	5.4	24
6	Nanoaggregate of thermosensitive chitosan-Pluronic for sustained release of hydrophobic drug. *Colloids and Surfaces B: Biointerfaces*, **2008**, 63, 1-6	6	56
5	Hyper-branched poly(poly(ethylene glycol)methacrylate)-grafted surfaces by photo-polymerization with iniferter for bioactive interfaces. *Acta Biomaterialia*, **2008**, 4, 960-6	10.8	16
4	Controlled dual release of basic fibroblast growth factor and indomethacin from heparin-conjugated polymeric micelle. *International Journal of Pharmaceutics*, **2008**, 346, 57-63	6.5	85
3	PLGA microparticle-embedded thermosensitive hydrogels for sustained release of hydrophobic drugs. *Biomedical Materials (Bristol)*, **2007**, 2, 269-73	3.5	27
2	Anticoagulant supramolecular-structured polymers: Synthesis and anti coagulant activity of taurine-conjugated carboxyethylester-polyrotaxanes. *Science and Technology of Advanced Materials* , **2005**, 6, 484-490	7.1	20
1	Estrogen release from metallic stent surface for the prevention of restenosis. *Journal of Controlled Release*, **2003**, 92, 83-91	11.7	13