

# Yoon Ki Joung

## List of Publications by Citations

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

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	Thermosensitive chitosan-Pluronic hydrogel as an injectable cell delivery carrier for cartilage regeneration. <i>Acta Biomaterialia</i> , <b>2009</b> , 5, 1956-65	10.8	275
96	Biopolymer-based functional composites for medical applications. <i>Progress in Polymer Science</i> , <b>2017</b> , 68, 77-105	29.6	207
95	In situ forming and rutin-releasing chitosan hydrogels as injectable dressings for dermal wound healing. <i>Biomacromolecules</i> , <b>2011</b> , 12, 2872-80	6.9	198
94	In situ forming hydrogels based on tyramine conjugated 4-Arm-PPO-PEO via enzymatic oxidative reaction. <i>Biomacromolecules</i> , <b>2010</b> , 11, 706-12	6.9	139
93	In situ cross-linkable gelatin-poly(ethylene glycol)-tyramine hydrogel via enzyme-mediated reaction for tissue regenerative medicine. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 13180		95
92	Polymers for cell/tissue anti-adhesion. <i>Progress in Polymer Science</i> , <b>2015</b> , 44, 28-61	29.6	93
91	Controlled dual release of basic fibroblast growth factor and indomethacin from heparin-conjugated polymeric micelle. <i>International Journal of Pharmaceutics</i> , <b>2008</b> , 346, 57-63	6.5	85
90	Platelet-rich plasma loaded hydrogel scaffold enhances chondrogenic differentiation and maturation with up-regulation of CB1 and CB2. <i>Journal of Controlled Release</i> , <b>2012</b> , 159, 332-7	11.7	84
89	Controlled release of bone morphogenetic protein (BMP)-2 from nanocomplex incorporated on hydroxyapatite-formed titanium surface. <i>Journal of Controlled Release</i> , <b>2012</b> , 160, 676-84	11.7	83
88	RGD-Conjugated chitosan-pluronic hydrogels as a cell supported scaffold for articular cartilage regeneration. <i>Macromolecular Research</i> , <b>2008</b> , 16, 517-523	1.9	76
87	Enhanced Patency and Endothelialization of Small-Caliber Vascular Grafts Fabricated by Coimmobilization of Heparin and Cell-Adhesive Peptides. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 4336-46	9.5	74
86	Supramolecular hydrogels exhibiting fast in situ gel forming and adjustable degradation properties. <i>Biomacromolecules</i> , <b>2010</b> , 11, 617-25	6.9	70
85	Controlled release of heparin-binding growth factors using heparin-containing particulate systems for tissue regeneration. <i>Expert Opinion on Drug Delivery</i> , <b>2008</b> , 5, 1173-84	8	68
84	Biomimetic Porous PLGA Scaffolds Incorporating Decellularized Extracellular Matrix for Kidney Tissue Regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 21145-54	9.5	57
83	Nanoaggregate of thermosensitive chitosan-Pluronic for sustained release of hydrophobic drug. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2008</b> , 63, 1-6	6	56
82	Intracellular delivery and anti-cancer effect of self-assembled heparin-Pluronic nanogels with RNase A. <i>Journal of Controlled Release</i> , <b>2010</b> , 147, 420-7	11.7	55
81	In situ hydrogelation and RGD conjugation of tyramine-conjugated 4-arm PPO-PEO block copolymer for injectable bio-mimetic scaffolds. <i>Soft Matter</i> , <b>2011</b> , 7, 986-992	3.6	51

80	Recent advances to accelerate re-endothelialization for vascular stents. <i>Journal of Tissue Engineering</i> , <b>2017</b> , 8, 2041731417731546	7.5	50
79	Biodegradable poly(L-lactide) composites by oligolactide-grafted magnesium hydroxide for mechanical reinforcement and reduced inflammation. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 2764-2772	7.2	48
78	The use of low molecular weight heparin-pluronic nanogels to impede liver fibrosis by inhibition the TGF- $\beta$ /Smad signaling pathway. <i>Biomaterials</i> , <b>2011</b> , 32, 1438-45	15.6	48
77	RGD peptide-immobilized electrospun matrix of polyurethane for enhanced endothelial cell affinity. <i>Biomedical Materials (Bristol)</i> , <b>2008</b> , 3, 044104	3.5	48
76	Modified Magnesium Hydroxide Nanoparticles Inhibit the Inflammatory Response to Biodegradable Poly(lactide-co-glycolide) Implants. <i>ACS Nano</i> , <b>2018</b> , 12, 6917-6925	16.7	48
75	Shape-memory effect by specific biodegradable polymer blending for biomedical applications. <i>Macromolecular Bioscience</i> , <b>2014</b> , 14, 667-78	5.5	47
74	Versatile effects of magnesium hydroxide nanoparticles in PLGA scaffold-mediated chondrogenesis. <i>Acta Biomaterialia</i> , <b>2018</b> , 73, 204-216	10.8	43
73	A poly(lactide) stereocomplex structure with modified magnesium oxide and its effects in enhancing the mechanical properties and suppressing inflammation. <i>Small</i> , <b>2014</b> , 10, 3783-94	11	43
72	A Bioinspired Scaffold with Anti-Inflammatory Magnesium Hydroxide and Decellularized Extracellular Matrix for Renal Tissue Regeneration. <i>ACS Central Science</i> , <b>2019</b> , 5, 458-467	16.8	41
71	RGD-conjugated In Situ forming hydrogels as cell-adhesive injectable scaffolds. <i>Macromolecular Research</i> , <b>2011</b> , 19, 300-306	1.9	37
70	Optimized stability retention of a monoclonal antibody in the PLGA nanoparticles. <i>International Journal of Pharmaceutics</i> , <b>2009</b> , 368, 178-85	6.5	37
69	Nitric Oxide Releasing Coronary Stent: A New Approach Using Layer-by-Layer Coating and Liposomal Encapsulation. <i>Small</i> , <b>2016</b> , 12, 6012-6023	11	35
68	Self-assembled nanogel of pluronic-conjugated heparin as a versatile drug nanocarrier. <i>Macromolecular Research</i> , <b>2011</b> , 19, 180-188	1.9	34
67	Targeting ligand-functionalized and redox-sensitive heparin-Pluronic nanogels for intracellular protein delivery. <i>Biomedical Materials (Bristol)</i> , <b>2011</b> , 6, 055004	3.5	34
66	In situ forming, metal-adhesive heparin hydrogel surfaces for blood-compatible coating. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 99, 102-7	6	33
65	Growth factors-loaded stents modified with hyaluronic acid and heparin for induction of rapid and tight re-endothelialization. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 141, 602-610	6	31
64	Heparin-conjugated pluronic nanogels as multi-drug nanocarriers for combination chemotherapy. <i>Molecular Pharmaceutics</i> , <b>2013</b> , 10, 685-93	5.6	30
63	Improvement of interfacial adhesion of biodegradable polymers coated on metal surface by nanocoupling. <i>Langmuir</i> , <b>2011</b> , 27, 14232-9	4	29

62	PLGA microparticle-embedded thermosensitive hydrogels for sustained release of hydrophobic drugs. <i>Biomedical Materials (Bristol)</i> , <b>2007</b> , 2, 269-73	3.5	27
61	Optimal conjugation of catechol group onto hyaluronic acid in coronary stent substrate coating for the prevention of restenosis. <i>Journal of Tissue Engineering</i> , <b>2016</b> , 7, 2041731416683745	7.5	26
60	Heparin-conjugated star-shaped PLA for improved biocompatibility. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2008</b> , 86, 842-8	5.4	24
59	In situ gel forming stereocomplex composed of four-arm PEG-PDLA and PEG-PLLA block copolymers. <i>Macromolecular Research</i> , <b>2008</b> , 16, 704-710	1.9	23
58	Tetronic-oligolactide-heparin hydrogel as a multi-functional scaffold for tissue regeneration. <i>Macromolecular Bioscience</i> , <b>2008</b> , 8, 1152-60	5.5	23
57	Lipid-based carriers for controlled delivery of nitric oxide. <i>Expert Opinion on Drug Delivery</i> , <b>2017</b> , 14, 1348-1353	22	
56	Biodegradable polymer brush as nanocoupled interface for improving the durability of polymer coating on metal surface. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 122, 808-817	6	22
55	Platelet-rich plasma loaded in situ-formed hydrogel enhances hyaline cartilage regeneration by CB1 upregulation. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2012</b> , 100, 3099-107	5.4	22
54	Fabrication and characteristics of dual functionalized vascular stent by spatio-temporal coating. <i>Acta Biomaterialia</i> , <b>2016</b> , 38, 143-52	10.8	22
53	Effect of solvent on drug release and a spray-coated matrix of a sirolimus-eluting stent coated with poly(lactic-co-glycolic acid). <i>Langmuir</i> , <b>2014</b> , 30, 10098-106	4	21
52	Synergistically enhanced osteoconductivity and anti-inflammation of PLGA/βTCP/Mg(OH) composite for orthopedic applications. <i>Materials Science and Engineering C</i> , <b>2019</b> , 94, 65-75	8.3	21
51	Effects of interfacial layer wettability and thickness on the coating morphology and sirolimus release for drug-eluting stent. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 460, 189-99	9.3	20
50	Reinforcement of interfacial adhesion of a coated polymer layer on a cobalt-chromium surface for drug-eluting stents. <i>Langmuir</i> , <b>2014</b> , 30, 8020-8	4	20
49	Comparison of phytoncide with sirolimus as a novel drug candidate for drug-eluting stent. <i>Biomaterials</i> , <b>2015</b> , 44, 1-10	15.6	20
48	An In Situ Gel-Forming Heparin-Conjugated PLGA-PEG-PLGA Copolymer. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2008</b> , 23, 444-457	2	20
47	Anticoagulant supramolecular-structured polymers: Synthesis and anti coagulant activity of taurine-conjugated carboxyethyl ester-polyrotaxanes. <i>Science and Technology of Advanced Materials</i> , <b>2005</b> , 6, 484-490	7.1	20
46	6-arm PLLA-PEG block copolymers for micelle formation and controlled drug release. <i>Macromolecular Research</i> , <b>2008</b> , 16, 66-69	1.9	19
45	Effect of various shaped magnesium hydroxide particles on mechanical and biological properties of poly(lactic-co-glycolic acid) composites. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 59, 266-276	6.3	19

44	Effects of poly(L-lactide-ε-caprolactone) and magnesium hydroxide additives on physico-mechanical properties and degradation of poly(L-lactic acid). <i>Biomaterials Research</i> , <b>2016</b> , 20, 7	16.8	17
43	Fabrication of endothelial cell-specific polyurethane surfaces co-immobilized with GRGDS and YIGSR peptides. <i>Macromolecular Research</i> , <b>2009</b> , 17, 458-463	1.9	17
42	Coronary stents with inducible VEGF/HGF-secreting UCB-MSCs reduced restenosis and increased re-endothelialization in a swine model. <i>Experimental and Molecular Medicine</i> , <b>2018</b> , 50, 1-14	12.8	17
41	Late endothelial progenitor cell-capture stents with CD146 antibody and nanostructure reduce in-stent restenosis and thrombosis. <i>Acta Biomaterialia</i> , <b>2020</b> , 111, 91-101	10.8	16
40	Hyper-branched poly(poly(ethylene glycol)methacrylate)-grafted surfaces by photo-polymerization with iniferter for bioactive interfaces. <i>Acta Biomaterialia</i> , <b>2008</b> , 4, 960-6	10.8	16
39	A Promising Approach for Improving the Coating Stability and In Vivo Performance of Biodegradable Polymer-Coated Sirolimus-Eluting Stent. <i>Journal of Biomedical Nanotechnology</i> , <b>2016</b> , 12, 2015-28	4	14
38	Fabrication and characteristics of anti-inflammatory magnesium hydroxide incorporated PLGA scaffolds formed with various porogen materials. <i>Macromolecular Research</i> , <b>2014</b> , 22, 210-218	1.9	13
37	Estrogen release from metallic stent surface for the prevention of restenosis. <i>Journal of Controlled Release</i> , <b>2003</b> , 92, 83-91	11.7	13
36	CD34 monoclonal antibody-immobilized electrospun polyurethane for the endothelialization of vascular grafts. <i>Macromolecular Research</i> , <b>2010</b> , 18, 904-912	1.9	12
35	Biodegradable sheath-core biphasic monofilament braided stent for bio-functional treatment of esophageal strictures. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 67, 396-406	6.3	11
34	Silicone rubber with mussel-inspired adhesive coatings for enhancing antifouling property and blood compatibility. <i>Macromolecular Research</i> , <b>2017</b> , 25, 841-848	1.9	11
33	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. <i>Biofabrication</i> , <b>2014</b> , 6, 035019	10.5	10
32	Sustained cytoplasmic delivery and anti-viral effect of PLGA nanoparticles carrying a nucleic acid-hydrolyzing monoclonal antibody. <i>Pharmaceutical Research</i> , <b>2012</b> , 29, 932-42	4.5	10
31	The effect of solvents and hydrophilic additive on stable coating and controllable sirolimus release system for drug-eluting stent. <i>Materials Science and Engineering C</i> , <b>2017</b> , 78, 39-46	8.3	9
30	Synergistic effect of anti-platelet and anti-inflammation of drug-coated Co-Cr substrates for prevention of initial in-stent restenosis. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 140, 353-360	6	9
29	Nitric oxide releasing lipid bilayer tethered on titanium and its effects on vascular cells. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 80, 811-819	6.3	9
28	Crack prevention of biodegradable polymer coating on metal facilitated by a nano-coupled interlayer. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2014</b> , 29, 515-526	2	9
27	Effect of magnesium hydroxide nanoparticles with rod and plate shape on mechanical and biological properties of poly(L-lactide) composites. <i>Macromolecular Research</i> , <b>2014</b> , 22, 1032-1041	1.9	9

26	Thermosensitive gallic acid-conjugated hexanoyl glycol chitosan as a novel wound healing biomaterial. <i>Carbohydrate Polymers</i> , <b>2021</b> , 260, 117808	10.3	9
25	Persulfated flavonoids accelerated re-endothelialization and improved blood compatibility for vascular medical implants. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 181, 174-184	6	8
24	Effect of stromal cell derived factor-1 $\beta$ release from heparin-coated Co-Cr stent substrate on the recruitment of endothelial progenitor cells. <i>Macromolecular Research</i> , <b>2015</b> , 23, 1159-1167	1.9	8
23	Nano-aggregates using thermosensitive chitosan copolymers as a nanocarrier for protein delivery. <i>Journal of Experimental Nanoscience</i> , <b>2009</b> , 4, 269-275	1.9	8
22	Balanced adhesion and cohesion of chitosan matrices by conjugation and oxidation of catechol for high-performance surgical adhesives. <i>Carbohydrate Polymers</i> , <b>2020</b> , 248, 116760	10.3	8
21	Improvement of mechanical properties and blood compatibility of PLLA nanocomposites by incorporation of polyhedral oligomeric silsesquioxane. <i>Macromolecular Research</i> , <b>2012</b> , 20, 996-1001	1.9	6
20	Scaffold-supported extracellular matrices preserved by magnesium hydroxide nanoparticles for renal tissue regeneration. <i>Biomaterials Science</i> , <b>2020</b> , 8, 5427-5440	7.4	5
19	Covalent immobilization of fibroblast-derived matrix on metallic stent for expeditious re-endothelialization. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 70, 385-393	6.3	5
18	Recent alternative approaches of vascular drug-eluting stents. <i>Journal of Pharmaceutical Investigation</i> , <b>2018</b> , 48, 153-165	6.3	4
17	Sustained drug release using cobalt oxide nanowires for the preparation of polymer-free drug-eluting stents. <i>Journal of Biomaterials Applications</i> , <b>2018</b> , 33, 352-362	2.9	4
16	Facile Surface Modification of Nitinol with Dopamine-Conjugated Hyaluronic Acid for Improving Blood Compatibility. <i>Journal of Biomaterials and Tissue Engineering</i> , <b>2016</b> , 6, 780-787	0.3	3
15	Precise ultrasonic coating and controlled release of sirolimus with biodegradable polymers for drug-eluting stent. <i>Biomaterials and Biomechanics in Bioengineering</i> , <b>2014</b> , 1, 13-25		3
14	Surface-Modifying Effect of Zwitterionic Polyurethane Oligomers Complexed with Metal Ions on Blood Compatibility. <i>Tissue Engineering and Regenerative Medicine</i> , <b>2021</b> , 1	4.5	3
13	Advanced Stents for Cardiovascular Applications. <i>Biosystems and Biorobotics</i> , <b>2016</b> , 407-426	0.2	3
12	Dual-Layer Coated Drug-Eluting Stents with Improved Degradation Morphology and Controlled Drug Release. <i>Macromolecular Research</i> , <b>2018</b> , 26, 641-649	1.9	2
11	In vivo bioluminescence imaging for viable human neural stem cells incorporated within in situ gelatin hydrogels. <i>EJNMMI Research</i> , <b>2014</b> , 4, 61	3.6	2
10	Surface-Modifying Polymers for Blood-Contacting Polymeric Biomaterials. <i>Advances in Experimental Medicine and Biology</i> , <b>2020</b> , 1250, 189-198	3.6	2
9	Endothelial Cell-Derived Tethered Lipid Bilayers Generating Nitric Oxide for Endovascular Implantation.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 6381-6393	4.1	2

8	Comparing the cytotoxic effect of light-emitting and organic light-emitting diodes based light therapy on human adipose-derived stem cells. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 103, 239-246	6.3	2
7	Exosomes and Supported Lipid Layers as Advanced Naturally Derived Drug Delivery Systems <b>2021</b> , 361-373		1
6	Coating defects in polymer-coated drug-eluting stents. <i>Biomaterials and Biomechanics in Bioengineering</i> , <b>2014</b> , 1, 131-150		1
5	A Robustly Supported Extracellular Matrix Improves the Intravascular Delivery Efficacy of Endothelial Progenitor Cells. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100324	15.6	1
4	Optimized sirolimus-eluting stent by coating asymmetrically with biodegradable and cytocompatible polymers. <i>Asian Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 11, 160-161	9	1
3	Tissue-Inspired Interfacial Coatings for Regenerative Medicine. <i>Advances in Experimental Medicine and Biology</i> , <b>2018</b> , 1077, 415-420	3.6	1
2	Anti-thrombotic polymer surfaces modified with zwitterionic and fluorinated surface-migrating oligomers. <i>Surfaces and Interfaces</i> , <b>2021</b> , 25, 101280	4.1	0
1	Heparin-Conjugated Nanointerfaces for Biomedical Applications <b>2009</b> , 247-271		