Yoon Ki Joung

List of Publications by Year in descending order

98 papers	4,000 citations	101384 36 h-index	128067 60 g-index
99 all docs	99 docs citations	99 times ranked	5701 citing authors

#	Article	IF	Citations
1	Surface-Modifying Effect of Zwitterionic Polyurethane Oligomers Complexed with Metal Ions on Blood Compatibility. Tissue Engineering and Regenerative Medicine, 2022, 19, 35-47.	1.6	10
2	A Robustly Supported Extracellular Matrix Improves the Intravascular Delivery Efficacy of Endothelial Progenitor Cells. Advanced Functional Materials, 2021, 31, 2100324.	7.8	2
3	Thermosensitive gallic acid-conjugated hexanoyl glycol chitosan as a novel wound healing biomaterial. Carbohydrate Polymers, 2021, 260, 117808.	5.1	39
4	Endothelial Cell-Derived Tethered Lipid Bilayers Generating Nitric Oxide for Endovascular Implantation. ACS Applied Bio Materials, 2021, 4, 6381-6393.	2.3	3
5	Anti-thrombotic polymer surfaces modified with zwitterionic and fluorinated surface-migrating oligomers. Surfaces and Interfaces, 2021, 25, 101280.	1.5	6
6	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.	2.9	3
7	Exosomes and Supported Lipid Layers as Advanced Naturally Derived Drug Delivery Systems. , 2021, , 361-373.		1
8	Balanced adhesion and cohesion of chitosan matrices by conjugation and oxidation of catechol for high-performance surgical adhesives. Carbohydrate Polymers, 2020, 248, 116760.	5.1	27
9	Scaffold-supported extracellular matrices preserved by magnesium hydroxide nanoparticles for renal tissue regeneration. Biomaterials Science, 2020, 8, 5427-5440.	2.6	11
10	Late endothelial progenitor cell-capture stents with CD146 antibody and nanostructure reduce in-stent restenosis and thrombosis. Acta Biomaterialia, 2020, 111, 91-101.	4.1	33
11	Surface-Modifying Polymers for Blood-Contacting Polymeric Biomaterials. Advances in Experimental Medicine and Biology, 2020, 1250, 189-198.	0.8	7
12	Nitric oxide releasing lipid bilayer tethered on titanium and its effects on vascular cells. Journal of Industrial and Engineering Chemistry, 2019, 80, 811-819.	2.9	13
13	A Bioinspired Scaffold with Anti-Inflammatory Magnesium Hydroxide and Decellularized Extracellular Matrix for Renal Tissue Regeneration. ACS Central Science, 2019, 5, 458-467.	5.3	73
14	Persulfated flavonoids accelerated re-endothelialization and improved blood compatibility for vascular medical implants. Colloids and Surfaces B: Biointerfaces, 2019, 181, 174-184.	2.5	11
15	Synergistically enhanced osteoconductivity and anti-inflammation of PLGA/Î²-TCP/Mg(OH)2 composite for orthopedic applications. Materials Science and Engineering C, 2019, 94, 65-75.	3.8	34
16	Covalent immobilization of fibroblast-derived matrix on metallic stent for expeditious re-endothelialization. Journal of Industrial and Engineering Chemistry, 2019, 70, 385-393.	2.9	7
17	Versatile effects of magnesium hydroxide nanoparticles in PLGA scaffoldâ€“mediated chondrogenesis. Acta Biomaterialia, 2018, 73, 204-216.	4.1	66
18	Recent alternative approaches of vascular drug-eluting stents. Journal of Pharmaceutical Investigation, 2018, 48, 153-165.	2.7	5

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19	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.	2.9	25
20	Tissue-Inspired Interfacial Coatings for Regenerative Medicine. Advances in Experimental Medicine and Biology, 2018, 1077, 415-420.	0.8	1
21	Sustained drug release using cobalt oxide nanowires for the preparation of polymer-free drug-eluting stents. Journal of Biomaterials Applications, 2018, 33, 352-362.	1.2	6
22	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.	3.2	22
23	Modified Magnesium Hydroxide Nanoparticles Inhibit the Inflammatory Response to Biodegradable Poly(lactide-co-glycolide) Implants. ACS Nano, 2018, 12, 6917-6925.	7.3	71
24	Biodegradable sheath-core biphasic monofilament braided stent for bio-functional treatment of esophageal strictures. Journal of Industrial and Engineering Chemistry, 2018, 67, 396-406.	2.9	18
25	Dual-Layer Coated Drug-Eluting Stents with Improved Degradation Morphology and Controlled Drug Release. Macromolecular Research, 2018, 26, 641-649.	1.0	5
26	Lipid-based carriers for controlled delivery of nitric oxide. Expert Opinion on Drug Delivery, 2017, 14, 1341-1353.	2.4	30
27	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.	3.8	11
28	Biopolymer-based functional composites for medical applications. Progress in Polymer Science, 2017, 68, 77-105.	11.8	292
29	Silicone rubber with mussel-inspired adhesive coatings for enhancing antifouling property and blood compatibility. Macromolecular Research, 2017, 25, 841-848.	1.0	13
30	Recent advances to accelerate re-endothelialization for vascular stents. Journal of Tissue Engineering, 2017, 8, 204173141773154.	2.3	69
31	Optimal conjugation of catechol group onto hyaluronic acid in coronary stent substrate coating for the prevention of restenosis. Journal of Tissue Engineering, 2016, 7, 204173141668374.	2.3	40
32	A Promising Approach for Improving the Coating Stability and <I>In Vivo</I> Performance of Biodegradable Polymer-Coated Sirolimus-Eluting Stent. Journal of Biomedical Nanotechnology, 2016, 12, 2015-2028.	0.5	16
33	Optimized sirolimus-eluting stent by coating asymmetrically with biodegradable and cytocompatible polymers. Asian Journal of Pharmaceutical Sciences, 2016, 11, 160-161.	4.3	1
34	Fabrication and characteristics of dual functionalized vascular stent by spatio-temporal coating. Acta Biomaterialia, 2016, 38, 143-152.	4.1	26
35	Biomimetic Porous PLGA Scaffolds Incorporating Decellularized Extracellular Matrix for Kidney Tissue Regeneration. ACS Applied Materials & Interfaces, 2016, 8, 21145-21154.	4.0	74
36	Nitric Oxide Releasing Coronary Stent: A New Approach Using Layer-by-Layer Coating and Liposomal Encapsulation. Small, 2016, 12, 6012-6023.	5.2	45

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37	Effects of poly(L-lactide-Îµ-caprolactone) and magnesium hydroxide additives on physico-mechanical properties and degradation of poly(L-lactic acid). Biomaterials Research, 2016, 20, 7.	3.2	23
38	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.	2.5	38
39	Synergistic effect of anti-platelet and anti-inflammation of drug-coated Coâ€“Cr substrates for prevention of initial in-stent restenosis. Colloids and Surfaces B: Biointerfaces, 2016, 140, 353-360.	2.5	15
40	Enhanced Patency and Endothelialization of Small-Caliber Vascular Grafts Fabricated by Coimmobilization of Heparin and Cell-Adhesive Peptides. ACS Applied Materials & Interfaces, 2016, 8, 4336-4346.	4.0	98
41	Advanced Stents for Cardiovascular Applications. Biosystems and Biorobotics, 2016, , 407-426.	0.2	3
42	Facile Surface Modification of Nitinol with Dopamine-Conjugated Hyaluronic Acid for Improving Blood Compatibility. Journal of Biomaterials and Tissue Engineering, 2016, 6, 780-787.	0.0	3
43	Effect of stromal cell derived factor-1Î± release from heparin-coated Co-Cr stent substrate on the recruitment of endothelial progenitor cells. Macromolecular Research, 2015, 23, 1159-1167.	1.0	11
44	Comparison of phytoncide with sirolimus as a novel drug candidate for drug-eluting stent. Biomaterials, 2015, 44, 1-10.	5.7	22
45	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, 189-199.	5.0	26
46	Polymers for cell/tissue anti-adhesion. Progress in Polymer Science, 2015, 44, 28-61.	11.8	121
47	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.	1.0	10
48	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.	2.5	24
49	Shapeâ€Memory Effect by Specific Biodegradable Polymer Blending for Biomedical Applications. Macromolecular Bioscience, 2014, 14, 667-678.	2.1	53
50	In vivo bioluminescence imaging for viable human neural stem cells incorporated within in situ gelatin hydrogels. EJNMMI Research, 2014, 4, 61.	1.1	3
51	Fabrication and characteristics of anti-inflammatory magnesium hydroxide incorporated PLGA scaffolds formed with various porogen materials. Macromolecular Research, 2014, 22, 210-218.	1.0	17
52	A Poly(lactide) Stereocomplex Structure with Modified Magnesium Oxide and Its Effects in Enhancing the Mechanical Properties and Suppressing Inflammation. Small, 2014, 10, 3783-3794.	5.2	50
53	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.	3.7	13
54	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, 10098-10106.	1.6	26

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55	Crack prevention of biodegradable polymer coating on metal facilitated by a nano-coupled interlayer. Journal of Bioactive and Compatible Polymers, 2014, 29, 515-526.	0.8	10
56	Reinforcement of Interfacial Adhesion of a Coated Polymer Layer on a Cobaltâ€“Chromium Surface for Drug-Eluting Stents. Langmuir, 2014, 30, 8020-8028.	1.6	20
57	Precise ultrasonic coating and controlled release of sirolimus with biodegradable polymers for drug-eluting stent. Biomaterials and Biomechanics in Bioengineering, 2014, 1, 13-25.	0.1	3
58	Coating defects in polymer-coated drug-eluting stents. Biomaterials and Biomechanics in Bioengineering, 2014, 1, 131-150.	0.1	0
59	Biodegradable poly(l-lactide) composites by oligolactide-grafted magnesium hydroxide for mechanical reinforcement and reduced inflammation. Journal of Materials Chemistry B, 2013, 1, 2764.	2.9	54
60	Heparin-Conjugated Pluronic Nanogels as Multi-Drug Nanocarriers for Combination Chemotherapy. Molecular Pharmaceutics, 2013, 10, 685-693.	2.3	39
61	Improvement of mechanical properties and blood compatibility of PLLA nanocomposites by incorporation of polyhedral oligomeric silsesquioxane. Macromolecular Research, 2012, 20, 996-1001.	1.0	6
62	In situ forming, metal-adhesive heparin hydrogel surfaces for blood-compatible coating. Colloids and Surfaces B: Biointerfaces, 2012, 99, 102-107.	2.5	36
63	Plateletâ€rich plasma loaded in situâ€formed hydrogel enhances hyaline cartilage regeneration by CB1 upregulation. Journal of Biomedical Materials Research - Part A, 2012, 100A, 3099-3107.	2.1	25
64	Sustained Cytoplasmic Delivery and Anti-viral Effect of PLGA Nanoparticles Carrying a Nucleic Acid-Hydrolyzing Monoclonal Antibody. Pharmaceutical Research, 2012, 29, 932-942.	1.7	14
65	Platelet-rich plasma loaded hydrogel scaffold enhances chondrogenic differentiation and maturation with up-regulation of CB1 and CB2. Journal of Controlled Release, 2012, 159, 332-337.	4.8	102
66	Controlled release of bone morphogenetic protein (BMP)-2 from nanocomplex incorporated on hydroxyapatite-formed titanium surface. Journal of Controlled Release, 2012, 160, 676-684.	4.8	95
67	In situ cross-linkable gelatinâ€“poly(ethylene glycol)â€“tyramine hydrogel via enzyme-mediated reaction for tissue regenerative medicine. Journal of Materials Chemistry, 2011, 21, 13180.	6.7	107
68	In situ hydrogelation and RGDconjugation of tyramine-conjugated 4-arm PPOâ€“PEOblock copolymer for injectable bio-mimetic scaffolds. Soft Matter, 2011, 7, 986-992.	1.2	53
69	Targeting ligand-functionalized and redox-sensitive heparin-Pluronic nanogels for intracellular protein delivery. Biomedical Materials (Bristol), 2011, 6, 055004.	1.7	40
70	Improvement of Interfacial Adhesion of Biodegradable Polymers Coated on Metal Surface by Nanocoupling. Langmuir, 2011, 27, 14232-14239.	1.6	33
71	In Situ Forming and Rutin-Releasing Chitosan Hydrogels As Injectable Dressings for Dermal Wound Healing. Biomacromolecules, 2011, 12, 2872-2880.	2.6	233
72	The use of low molecular weight heparinâ€“pluronic nanogels to impede liver fibrosis by inhibition the TGF-Î²/Smad signaling pathway. Biomaterials, 2011, 32, 1438-1445.	5.7	55

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73	Self-assembled nanogel of pluronic-conjugated heparin as a versatile drug nanocarrier. Macromolecular Research, 2011, 19, 180-188.	1.0	45
74	RGD-conjugated In Situ forming hydrogels as cell-adhesive injectable scaffolds. Macromolecular Research, 2011, 19, 300-306.	1.0	40
75	Supramolecular Hydrogels Exhibiting Fast In Situ Gel Forming and Adjustable Degradation Properties. Biomacromolecules, 2010, 11, 617-625.	2.6	80
76	CD34 monoclonal antibody-immobilized electrospun polyurethane for the endothelialization of vascular grafts. Macromolecular Research, 2010, 18, 904-912.	1.0	12
77	Intracellular delivery and anti-cancer effect of self-assembled heparin-Pluronic nanogels with RNase A. Journal of Controlled Release, 2010, 147, 420-427.	4.8	61
78	In Situ Forming Hydrogels Based on Tyramine Conjugated 4-Arm-PPO-PEO via Enzymatic Oxidative Reaction. Biomacromolecules, 2010, 11, 706-712.	2.6	151
79	Heparin-Conjugated Nanointerfaces for Biomedical Applications. , 2009, , 247-271.		0
80	Fabrication of endothelial cell-specific polyurethane surfaces co-immobilized with GRGDS and YIGSR peptides. Macromolecular Research, 2009, 17, 458-463.	1.0	17
81	Optimized stability retention of a monoclonal antibody in the PLGA nanoparticles. International Journal of Pharmaceutics, 2009, 368, 178-185.	2.6	44
82	Thermosensitive chitosanâ€“Pluronic hydrogel as an injectable cell delivery carrier for cartilage regeneration. Acta Biomaterialia, 2009, 5, 1956-1965.	4.1	309
83	Nano-aggregates using thermosensitive chitosan copolymers as a nanocarrier for protein delivery. Journal of Experimental Nanoscience, 2009, 4, 269-275.	1.3	12
84	RGD-Conjugated chitosan-pluronic hydrogels as a cell supported scaffold for articular cartilage regeneration. Macromolecular Research, 2008, 16, 517-523.	1.0	83
85	In situ gel forming stereocomplex composed of four-arm PEG-PDLA and PEG-PLLA block copolymers. Macromolecular Research, 2008, 16, 704-710.	1.0	26
86	6-arm PLLA-PEG block copolymers for micelle formation and controlled drug release. Macromolecular Research, 2008, 16, 66-69.	1.0	19
87	Tetronicâ€“Oligolactideâ€“Heparin Hydrogel as a Multiâ€Functional Scaffold for Tissue Regeneration. Macromolecular Bioscience, 2008, 8, 1152-1160.	2.1	28
88	Heparinâ€conjugated starâ€shaped PLA for improved biocompatibility. Journal of Biomedical Materials Research - Part A, 2008, 86A, 842-848.	2.1	28
89	Nanoaggregate of thermosensitive chitosan-Pluronic for sustained release of hydrophobic drug. Colloids and Surfaces B: Biointerfaces, 2008, 63, 1-6.	2.5	59
90	Hyper-branched poly(poly(ethylene glycol)methacrylate)-grafted surfaces by photo-polymerization with iniferter for bioactive interfaces. Acta Biomaterialia, 2008, 4, 960-966.	4.1	18

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91	Controlled dual release of basic fibroblast growth factor and indomethacin from heparin-conjugated polymeric micelle. International Journal of Pharmaceutics, 2008, 346, 57-63.	2.6	88
92	Controlled release of heparin-binding growth factors using heparin-containing particulate systems for tissue regeneration. Expert Opinion on Drug Delivery, 2008, 5, 1173-1184.	2.4	81
93	RGD peptide-immobilized electrospun matrix of polyurethane for enhanced endothelial cell affinity. Biomedical Materials (Bristol), 2008, 3, 044104.	1.7	53
94	An In Situ Gel-Forming Heparin-Conjugated PLGA-PEG-PLGA Copolymer. Journal of Bioactive and Compatible Polymers, 2008, 23, 444-457.	0.8	24
95	Novel Hydrogel Systems as Injectable Scaffolds for Tissue Engineering. , 2008, , .		0
96	PLGA microparticle-embedded thermosensitive hydrogels for sustained release of hydrophobic drugs. Biomedical Materials (Bristol), 2007, 2, 269-273.	1.7	30
97	Anticoagulant supramolecular-structured polymers: Synthesis and anti coagulant activity of taurine-conjugated carboxyethylester-polyrotaxanes. Science and Technology of Advanced Materials, 2005, 6, 484-490.	2.8	20
98	Estrogen release from metallic stent surface for the prevention of restenosis. Journal of Controlled Release, 2003, 92, 83-91.	4.8	13