

Tae-Il Son

List of Publications by Year in Descending Order

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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.

56
papers

729
citations

14
h-index

23
g-index

57
ext. papers

787
ext. citations

4.2
avg, IF

3.44
L-index

#	Paper	IF	Citations
56	Surface-Modifying Effect of Zwitterionic Polyurethane Oligomers Complexed with Metal Ions on Blood Compatibility. <i>Tissue Engineering and Regenerative Medicine</i> , 2021 , 1	4.5	3
55	Preparation of injectable forms of immobilized protein drugs using UV-curable gelatin derivatives. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 80, 877-885	6.3	3
54	Preparation of azidophenyl-low molecular chitosan derivative micro particles for enhance drug delivery. <i>International Journal of Biological Macromolecules</i> , 2019 , 133, 875-880	7.9	2
53	PCL microspheres containing magnesium hydroxide for dermal filler with enhanced physicochemical and biological performances. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 80, 854-861	6.3	8
52	Anticancer effect of intracellular-delivered paclitaxel using novel pH-sensitive LMWSC-PCL di-block copolymer micelles. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 70, 136-144	6.3	4
51	Potent anti-adhesion agent using a drug-eluting visible-light curable hyaluronic acid derivative. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 70, 204-210	6.3	10
50	Osteogenic effectiveness of photo-immobilized bone morphogenetic protein-2 using different azidophenyl-natural polymer carriers in rat calvarial defect model. <i>International Journal of Biological Macromolecules</i> , 2019 , 121, 333-341	7.9	3
49	Preparation of drug-immobilized anti-adhesion agent using visible light-curable alginate derivative containing furfuryl group. <i>International Journal of Biological Macromolecules</i> , 2019 , 121, 301-308	7.9	7
48	Biocompatible, drug-loaded anti-adhesion barrier using visible-light curable furfuryl gelatin derivative. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 915-920	7.9	11
47	Application of visible light curable furfuryl-low molecular chitosan derivative as an anti-adhesion agent. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 66, 438-445	6.3	6
46	Visible and UV-curable chitosan derivatives for immobilization of biomolecules. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 1611-1619	7.9	11
45	Photo-reactive natural polymer derivatives for medical application. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 54, 1-13	6.3	18
44	Preparation of UV-curable alginate derivatives for drug immobilization on dressing foam. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 54, 350-358	6.3	5
43	Development of phosphonated alginate derivatives as coating material on titanium surface for medical application. <i>Macromolecular Research</i> , 2017 , 25, 1192-1198	1.9	3
42	BMP-2 immobilization by phosphonated UV-curable low-molecular-weight chitosan derivative on the surface of titanium. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 34, 33-40	6.3	11
41	Enhancement effect of cell adhesion on titanium surface using phosphonated low-molecular-weight chitosan derivative. <i>Macromolecular Research</i> , 2016 , 24, 99-103	1.9	7
40	Facile Surface Modification of Nitinol with Dopamine-Conjugated Hyaluronic Acid for Improving Blood Compatibility. <i>Journal of Biomaterials and Tissue Engineering</i> , 2016 , 6, 780-787	0.3	3

39	Controllable mouse epidermal growth factor (mEGF) release by photo-encapsulation using azidophenyl chitosan derivative and its wound healing effect. <i>Macromolecular Research</i> , 2016 , 24, 862-867 ^{1.9}	3
38	Wound healing effect of visible light-curable chitosan with encapsulated EGF. <i>Macromolecular Research</i> , 2016 , 24, 336-341	1.9 13
37	Preparation of phosphonated gelatin-coated titanium containing rhBMP-2 by UV irradiation for improved osteoinduction and function. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 36, 66-73	6.3 7
36	Photo-immobilization of bone morphogenetic protein-2 using azidophenyl gelatin on a collagen sheet enhances osteogenesis in a rat calvarial defect model. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 40, 177-184	6.3 7
35	Immobilization effect of bone morphogenetic protein-2 on collagen membrane via photoreactive gelatin derivatives: Biocompatibility and preservability of osteoinductive activity. <i>Macromolecular Research</i> , 2015 , 23, 525-530	1.9 1
34	Preparation of UV-curable gelatin derivatives for drug immobilization on polyurethane foam: Development of wound dressing foam. <i>Macromolecular Research</i> , 2015 , 23, 994-1003	1.9 12
33	The immobilization of bone morphogenetic protein-2 via photo curable azidophenyl hyaluronic acid on a titanium surface and providing effect for cell differentiation. <i>Macromolecular Research</i> , 2014 , 22, 173-178	1.9 8
32	Fabrication and characteristics of anti-inflammatory magnesium hydroxide incorporated PLGA scaffolds formed with various porogen materials. <i>Macromolecular Research</i> , 2014 , 22, 210-218	1.9 13
31	Phosphorylated gelatin to enhance cell adhesion to titanium. <i>Polymer International</i> , 2014 , 63, 1616-1619 ^{3.3}	5
30	Injectable photoreactive azidophenyl hyaluronic acid hydrogels for tissue augmentation. <i>Macromolecular Research</i> , 2014 , 22, 494-499	1.9 3
29	Preparation and in vivo evaluation of photo-cured O-carboxymethyl chitosan micro-particle for controlled drug delivery. <i>Macromolecular Research</i> , 2014 , 22, 541-548	1.9 10
28	Regeneration effect of visible light-curing furfuryl alginate compound by release of epidermal growth factor for wound healing application. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9 14
27	Reinforcement of pH-responsive E-poly(glutamic acid)/chitosan hydrogel for orally administrable colon-targeted drug delivery. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 832-836	2.9 13
26	Preparation of photocured azidophenyl-fish gelatin and its capturing of human epidermal growth factor on titanium plate. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 154-160	2.9 20
25	Preparation of photoreactive azidophenyl hyaluronic acid derivative: Protein immobilization for medical applications. <i>Macromolecular Research</i> , 2013 , 21, 216-220	1.9 9
24	An epidermal growth factor derivative with binding affinity for hydroxyapatite and titanium surfaces. <i>Biomaterials</i> , 2013 , 34, 9747-53	15.6 20
23	Enhancement of fibroblastic proliferation from photoreactive starch with immobilized epidermal growth factor. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 2161-2170	2.9 8
22	Antiadhesive Property of Photoreactive Azidophenyl Low-Molecular-Weight Chitosan in Rabbit Laminotomy Model. <i>Journal of Chemistry</i> , 2013 , 2013, 1-8	2.3 0

21	Immobilization of bone morphogenetic protein on DOPA- or dopamine-treated titanium surfaces to enhance osseointegration. <i>BioMed Research International</i> , 2013 , 2013, 265980	3	25
20	Coating of titanium plate by photocurable azidophenyl chitosan derivative for application to implants. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 4322-4326	2.9	11
19	Design and Synthesis of Photoreactive Polymers for Biomedical Applications 2013 , 253-278		1
18	Preparation of Furfuryl-fish gelatin (F-f.gel) cured using visible-light and its application as an anti-adhesion agent. <i>Macromolecular Research</i> , 2012 , 20, 842-846	1.9	22
17	Photocurable O-carboxymethyl chitosan derivatives for biomedical applications: Synthesis, in vitro biocompatibility, and their wound healing effects. <i>Macromolecular Research</i> , 2012 , 20, 1144-1149	1.9	13
16	Visible light-induced photocurable (forming a film) low molecular weight chitosan derivatives for biomedical applications: Synthesis, characterization and in vitro biocompatibility. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 1258-1262	6.3	14
15	Immobilization of epidermal growth factor on titanium and stainless steel surfaces via dopamine treatment. <i>Materials Science and Engineering C</i> , 2012 , 32, 2552-2561	8.3	40
14	Synthesis of visible light-induced cross-linkable chitosan as an anti-adhesive agent. <i>Macromolecular Research</i> , 2011 , 19, 216-220	1.9	8
13	Fabrication and controlled release of electrospayed ReoPro-loaded metal surface for vascular stent. <i>Macromolecular Research</i> , 2011 , 19, 501-506	1.9	6
12	Preparation of a visible light-reactive low molecular-O-carboxymethyl chitosan (LM-O-CMCS) derivative and applicability as an anti-adhesion agent. <i>Macromolecular Research</i> , 2011 , 19, 921-927	1.9	30
11	Surface Modification Using Spiropyran-Derivative and Its Analysis of Surface Potential Induced by UV. <i>Journal of the Korean Chemical Society</i> , 2011 , 55, 478-485		
10	Visible light-induced crosslinkable gelatin. <i>Acta Biomaterialia</i> , 2010 , 6, 4005-10	10.8	60
9	Anticancer effect of lipids partially purified from Pacific oyster, <i>Crassostrea gigas</i> on PC3 cells. <i>Food Science and Biotechnology</i> , 2010 , 19, 213-217	3	5
8	Synthesis of O-carboxylated low molecular chitosan with azido phenyl group: Its application for adhesion prevention. <i>Macromolecular Research</i> , 2010 , 18, 1001-1007	1.9	13
7	Preparation of photo-reactive azidophenyl chitosan derivative for immobilization of growth factors. <i>Journal of Applied Polymer Science</i> , 2010 , 117, n/a-n/a	2.9	2
6	Thermally crosslinked anionic hydrogels composed of poly(vinyl alcohol) and poly(Eglutamic acid): Preparation, characterization, and drug permeation behavior. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 3768-3775	2.9	14
5	Polyelectrolyte complex hydrogel composed of chitosan and poly(Eglutamic acid) for biological application: Preparation, physical properties, and cytocompatibility. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 386-394	2.9	48
4	Stabilization of epidermal growth factor on thermal and proteolytic degradation by conjugating with low molecular weight chitosan. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 5072-5082	2.9	8

3	Prevention of surgical adhesions with barriers of carboxymethylcellulose and poly(ethylene glycol) hydrogels synthesized by irradiation. <i>Journal of Applied Polymer Science</i> , 2005 , 96, 1138-1145	2.9	21
2	Preparation and reactions of (η^3 -allyl)palladium and -platinum carbonate complexes. <i>Organometallics</i> , 1992 , 11, 171-176	3.8	71
1	Palladium-Catalyzed Double-Carbonylation of Alkenyl Halides with Secondary Amines To Give β -Keto Amides. <i>Bulletin of the Chemical Society of Japan</i> , 1988 , 61, 1251-1258	5.1	36