

Hoon Hyun

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.

88
papers

2,725
citations

27
h-index

49
g-index

91
ext. papers

3,121
ext. citations

6.8
avg, IF

4.9
L-index

#	Paper	IF	Citations
88	A novel modified RANKL variant can prevent osteoporosis by acting as a vaccine and an inhibitor. <i>Clinical and Translational Medicine</i> , 2021 , 11, e368	5.7	3
87	Rapid Clearance of IR783 and Methyl- β -cyclodextrin Complex for Improved Tumor Imaging. <i>Particle and Particle Systems Characterization</i> , 2021 , 38, 2100068	3.1	1
86	Bioinspired carbon dots with high near-infrared absorbance for efficient photothermal cancer therapy. <i>Nanoscale</i> , 2021 , 13, 14426-14434	7.7	9
85	Live cell imaging of highly activated natural killer cells against human hepatocellular carcinoma in vivo. <i>Cytotherapy</i> , 2021 , 23, 799-809	4.8	0
84	Injectable Glycol Chitosan Hydrogel Containing Folic Acid-Functionalized Cyclodextrin-Paclitaxel Complex for Breast Cancer Therapy. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
83	Tumor-targeted near-infrared fluorophore for fluorescence-guided phototherapy. <i>Chemical Communications</i> , 2020 , 56, 4180-4183	5.8	7
82	Zwitterionic near-infrared fluorophore for targeted photothermal cancer therapy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 2589-2597	7.3	5
81	Del-1, an Endogenous Inhibitor of TGF- β Activation, Attenuates Fibrosis. <i>Frontiers in Immunology</i> , 2020 , 11, 68	8.4	7
80	Multivalent Sorbitol Probes for Near-Infrared Photothermal Cancer Therapy. <i>Particle and Particle Systems Characterization</i> , 2020 , 37, 1900490	3.1	5
79	Fluorometric Imaging for Early Diagnosis and Prognosis of Rheumatoid Arthritis. <i>Advanced Science</i> , 2020 , 7, 1902267	13.6	6
78	Near-infra-red fluorescent chitosan oligosaccharide lactate for targeted cancer imaging and photothermal therapy. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2020 , 48, 1144-1152	6.1	4
77	Indocyanine Green and Methyl- β -Cyclodextrin Complex for Enhanced Photothermal Cancer Therapy. <i>Biomedicines</i> , 2020 , 8,	4.8	8
76	Small Molecules for Multi-Wavelength Near-Infrared Fluorescent Mapping of Regional and Sentinel Lymph Nodes in Colorectal Cancer Staging. <i>Frontiers in Oncology</i> , 2020 , 10, 586112	5.3	0
75	Bioluminescence and near-infrared fluorescence imaging for detection of metastatic bone tumors. <i>Lasers in Medical Science</i> , 2020 , 35, 115-120	3.1	9
74	Optimization of cRGDFK ligand concentration on polymeric nanoparticles to maximize cancer targeting. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 81, 178-184	6.3	7
73	Near-Infrared Fluorescent Sorbitol Probe for Targeted Photothermal Cancer Therapy. <i>Cancers</i> , 2019 , 11,	6.6	14
72	Hydrogel Nanospine Patch as a Flexible Anti-Pathogenic Scaffold for Regulating Stem Cell Behavior. <i>ACS Nano</i> , 2019 , 13, 11181-11193	16.7	33

71	Updates in molecular imaging techniques. <i>Tissue Engineering and Regenerative Medicine</i> , 2019 , 16, 431-435	4.5	2
70	Photo-Cured Glycol Chitosan Hydrogel for Ovarian Cancer Drug Delivery. <i>Marine Drugs</i> , 2019 , 17,	6	38
69	Bioengineered Short Carbon Nanotubes as Tumor-Targeted Carriers for Biomedical Imaging. <i>Macromolecular Research</i> , 2019 , 27, 833-838	1.9	6
68	Near-Infrared Contrast Agents for Bone-Targeted Imaging. <i>Tissue Engineering and Regenerative Medicine</i> , 2019 , 16, 443-450	4.5	13
67	Engineered beta-cyclodextrin-based carrier for targeted doxorubicin delivery in breast cancer therapy in vivo. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 70, 145-151	6.3	17
66	Controlled extracellular topographical and chemical cues for acceleration of neuronal development. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 61, 65-70	6.3	10
65	Multivalent Mannose-Decorated NIR Nanoprobes for Targeting Pan Lymph Nodes. <i>Chemical Engineering Journal</i> , 2018 , 340, 51-57	14.7	16
64	Developmental endothelial locus-1 prevents development of peritoneal adhesions in mice. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 500, 783-789	3.4	3
63	Near-infrared fluorescent sorbitol probe for tumor diagnosis in vivo. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 64, 80-84	6.3	4
62	Chemoresistance to 5-FU inhibited by 635nm LED irradiation in CD133+ KB cell line. <i>Lasers in Medical Science</i> , 2018 , 33, 57-66	3.1	3
61	Real-Time Tracking of -Expanded Natural Killer Cells Toward Human Triple-Negative Breast Cancers. <i>Frontiers in Immunology</i> , 2018 , 9, 825	8.4	15
60	Visible light-cured glycol chitosan hydrogel dressing containing endothelial growth factor and basic fibroblast growth factor accelerates wound healing in vivo. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 67, 365-372	6.3	24
59	Injectable visible light-cured glycol chitosan hydrogels with controlled release of anticancer drugs for local cancer therapy in vivo: a feasible study. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 874-882	6.1	20
58	Low-Dose Evans Blue Dye for Near-Infrared Fluorescence Imaging in Photothrombotic Stroke Model. <i>International Journal of Medical Sciences</i> , 2018 , 15, 696-702	3.7	6
57	Engineering lotus leaf-inspired micro- and nanostructures for the manipulation of functional engineering platforms. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 61, 39-52	6.3	25
56	Supramolecular assembly based on host-guest interaction between beta-cyclodextrin and adamantane for specifically targeted cancer imaging. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 57, 37-44	6.3	18
55	A local drug delivery system based on visible light-cured glycol chitosan and doxorubicin-hydrochloride for thyroid cancer treatment in vitro and in vivo. <i>Drug Delivery</i> , 2018 , 25, 1664-1671 ²¹	7	21
54	Surface Charge Modification of Polyethyleneimine for Enhanced Renal Clearance and Bioimaging. <i>Macromolecular Research</i> , 2018 , 26, 1251-1256	1.9	2

53	Rapid Differential Diagnosis of Breast Microcalcification Using Targeted Near-Infrared Fluorophores. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701062	10.1	11
52	Ectopic overexpression of CD133 in HNSCC makes it resistant to commonly used chemotherapeutics. <i>Tumor Biology</i> , 2017 , 39, 1010428317695534	2.9	18
51	Intraoperative Near-Infrared Fluorescence Imaging of Thymus in Preclinical Models. <i>Annals of Thoracic Surgery</i> , 2017 , 103, 1132-1141	2.7	3
50	ZW800-1 for Assessment of Blood-Brain Barrier Disruption in a Photothrombotic Stroke Model. <i>International Journal of Medical Sciences</i> , 2017 , 14, 1430-1435	3.7	9
49	Recombinant DNA cloning of the active region of the receptor activator of NF- κ B ligand (RANKL) gene and its role in osteoclastogenesis. <i>Biotechnology and Bioprocess Engineering</i> , 2017 , 22, 686-692	3.1	1
48	A High-Affinity Repebody for Molecular Imaging of EGFR-Expressing Malignant Tumors. <i>Theranostics</i> , 2017 , 7, 2620-2633	12.1	20
47	Structure-Inherent Targeting of Near-Infrared Fluorophores for Image-Guided Surgery. <i>Chonnam Medical Journal</i> , 2017 , 53, 95-102	1.3	29
46	Real-time imaging of metastatic bone tumors with a targeted near-infrared fluorophore. <i>Oncotarget</i> , 2017 , 8, 65770-65777	3.3	15
45	Effects of ADAM10 and ADAM17 Inhibitors on Natural Killer Cell Expansion and Antibody-dependent Cellular Cytotoxicity Against Breast Cancer Cells. <i>Anticancer Research</i> , 2017 , 37, 5507-5513	2.3	20
44	Endocrine-specific NIR fluorophores for adrenal gland targeting. <i>Chemical Communications</i> , 2016 , 52, 10305-8	5.8	21
43	700-nm Zwitterionic Near-Infrared Fluorophores for Dual-Channel Image-Guided Surgery. <i>Molecular Imaging and Biology</i> , 2016 , 18, 52-61	3.8	53
42	Hierarchically Micro- and Nanopatterned Topographical Cues for Modulation of Cellular Structure and Function. <i>IEEE Transactions on Nanobioscience</i> , 2016 , 15, 835-842	3.4	8
41	Synergistic effects of hyperosmotic polymannitol based non-viral vectors and nanotopographical cues for enhanced gene delivery. <i>RSC Advances</i> , 2016 , 6, 111233-111238	3.7	2
40	Near-Infrared Illumination of Native Tissues for Image-Guided Surgery. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 5311-23	8.3	40
39	Structure-inherent targeting of near-infrared fluorophores for parathyroid and thyroid gland imaging. <i>Nature Medicine</i> , 2015 , 21, 192-7	50.5	132
38	Tailored near-infrared contrast agents for image guided surgery. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 2845-54	8.3	54
37	Correlating molecular character of NIR imaging agents with tissue-specific uptake. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 4348-56	8.3	43
36	Bioimaging of Hyaluronate-Interferon α Conjugates Using a Non-Interfering Zwitterionic Fluorophore. <i>Biomacromolecules</i> , 2015 , 16, 3054-61	6.9	18

35	Cartilage-Specific Near-Infrared Fluorophores for Biomedical Imaging. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8648-52	16.4	81
34	Pancreas-targeted NIR fluorophores for dual-channel image-guided abdominal surgery. <i>Theranostics</i> , 2015 , 5, 1-11	12.1	35
33	Charge and hydrophobicity effects of NIR fluorophores on bone-specific imaging. <i>Theranostics</i> , 2015 , 5, 609-17	12.1	32
32	Biomedical Applications of Magnetically Functionalized Organic/Inorganic Hybrid Nanofibers. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 13661-77	6.3	36
31	Hydroxylated near-infrared BODIPY fluorophores as intracellular pH sensors. <i>Analyst, The</i> , 2014 , 139, 4862-73	5	21
30	Phosphonated near-infrared fluorophores for biomedical imaging of bone. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10668-72	16.4	85
29	Prototype nerve-specific near-infrared fluorophores. <i>Theranostics</i> , 2014 , 4, 823-33	12.1	61
28	Simultaneous mapping of pan and sentinel lymph nodes for real-time image-guided surgery. <i>Theranostics</i> , 2014 , 4, 693-700	12.1	29
27	Central C-C Bonding Increases Optical and Chemical Stability of NIR Fluorophores. <i>RSC Advances</i> , 2014 , 4, 58762-58768	3.7	40
26	Phosphonated Near-Infrared Fluorophores for Biomedical Imaging of Bone. <i>Angewandte Chemie</i> , 2014 , 126, 10844-10848	3.6	16
25	Thermo-Responsive Injectable MPEG-Polyester Diblock Copolymers for Sustained Drug Release. <i>Polymers</i> , 2014 , 6, 2670-2683	4.5	22
24	Highly charged cyanine fluorophores for trafficking scaffold degradation. <i>Biomedical Materials (Bristol)</i> , 2013 , 8, 014109	3.5	20
23	Targeted zwitterionic near-infrared fluorophores for improved optical imaging. <i>Nature Biotechnology</i> , 2013 , 31, 148-53	44.5	386
22	High-throughput screening of small molecule ligands targeted to live bacteria surface. <i>Analytical Chemistry</i> , 2013 , 85, 3508-14	7.8	10
21	Near-infrared lipophilic fluorophores for tracing tissue growth. <i>Biomedical Materials (Bristol)</i> , 2013 , 8, 014110	3.5	31
20	Rapid and Facile Microwave-Assisted Surface Chemistry for Functionalized Microarray Slides. <i>Advanced Functional Materials</i> , 2012 , 22, 872-878	15.6	10
19	cGMP-Compatible preparative scale synthesis of near-infrared fluorophores. <i>Contrast Media and Molecular Imaging</i> , 2012 , 7, 516-24	3.2	46
18	Anti-inflammatory response of mannose-conjugated polyrotaxane endocytosed into macrophage. <i>Macromolecular Research</i> , 2011 , 19, 495-500	1.9	2

17	Ligand accessibility to receptor binding sites enhanced by movable polyrotaxanes. <i>Macromolecular Bioscience</i> , 2011 , 11, 765-71	5.5	25
16	Mono-, di-, or triazidated cyclodextrin-based polyrotaxanes for facile and efficient functionalization via click chemistry. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 326-31	4.8	24
15	Synthesis and In Vivo Fate of Zwitterionic Near-Infrared Fluorophores. <i>Angewandte Chemie</i> , 2011 , 123, 6382-6387	3.6	26
14	Synthesis and in vivo fate of zwitterionic near-infrared fluorophores. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6258-63	16.4	248
13	Insulin-loaded microcapsules for in vivo delivery. <i>Molecular Pharmaceutics</i> , 2009 , 6, 353-65	5.6	32
12	Polymeric nano-micelles as drug carrier using polyethylene glycol and poly(trimethylene carbonate) linear and star-shaped block copolymer. <i>Current Applied Physics</i> , 2008 , 8, 646-650	2.6	17
11	Comparison of micelles formed by amphiphilic star block copolymers prepared in the presence of a nonmetallic monomer activator. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 2084-2096	2.5	27
10	Precise preparation of four-arm-poly(ethylene glycol)-block-poly(trimethylene carbonate) star block copolymers via activated monomer mechanism and examination of their solution properties. <i>Polymer</i> , 2008 , 49, 1777-1782	3.9	25
9	In vitro and in vivo release of albumin using a biodegradable MPEG-PCL diblock copolymer as an in situ gel-forming carrier. <i>Biomacromolecules</i> , 2007 , 8, 1093-100	6.9	115
8	Controlled release of bovine serum albumin using MPEG/PCL diblock copolymers as implantable protein carriers. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 1561-1567	2.9	14
7	In vivo osteogenic differentiation of rat bone marrow stromal cells in thermosensitive MPEG-PCL diblock copolymer gels. <i>Tissue Engineering</i> , 2006 , 12, 2863-73		69
6	Preparation of Thermosensitive Diblock Copolymers Consisting of MPEG and Polyesters. <i>Macromolecules</i> , 2006 , 39, 3099-3102	5.5	61
5	Preparation of diblock copolymers consisting of methoxy poly(ethylene glycol) and poly(ϵ -caprolactone)/poly(L-lactide) and their degradation property. <i>Polymer Engineering and Science</i> , 2006 , 46, 1242-1249	2.3	22
4	Ring-opening polymerization of trimethylene carbonate by poly(ethylene glycol) in the presence of HCl/Et ₂ O as a monomer activator. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 4235-4241	2.5	25
3	Preparation and characterization of MPEG/PCL diblock copolymers with thermo-responsive sol-gel phase transition. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 5413-5423	2.5	102
2	Sustained release of bovine serum albumin using implantable wafers prepared by MPEG-PLGA diblock copolymers. <i>International Journal of Pharmaceutics</i> , 2005 , 304, 165-77	6.5	30
1	Preparation of methoxy poly(ethyleneglycol)-block-poly(caprolactone) via activated monomer mechanism and examination of micellar characterization. <i>Polymer Bulletin</i> , 2005 , 55, 149-156	2.4	38