

Hoon Hyun

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6753167/hoon-hyun-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Targeted zwitterionic near-infrared fluorophores for improved optical imaging. <i>Nature Biotechnology</i> , 2013 , 31, 148-53	44.5	386
87	Synthesis and in vivo fate of zwitterionic near-infrared fluorophores. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6258-63	16.4	248
86	Structure-inherent targeting of near-infrared fluorophores for parathyroid and thyroid gland imaging. <i>Nature Medicine</i> , 2015 , 21, 192-7	50.5	132
85	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
84	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
83	Phosphonated near-infrared fluorophores for biomedical imaging of bone. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10668-72	16.4	85
82	Cartilage-Specific Near-Infrared Fluorophores for Biomedical Imaging. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8648-52	16.4	81
81	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
80	Prototype nerve-specific near-infrared fluorophores. <i>Theranostics</i> , 2014 , 4, 823-33	12.1	61
79	Preparation of Thermosensitive Diblock Copolymers Consisting of MPEG and Polyesters. <i>Macromolecules</i> , 2006 , 39, 3099-3102	5.5	61
78	Tailored near-infrared contrast agents for image guided surgery. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 2845-54	8.3	54
77	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
76	cGMP-Compatible preparative scale synthesis of near-infrared fluorophores. <i>Contrast Media and Molecular Imaging</i> , 2012 , 7, 516-24	3.2	46
75	Correlating molecular character of NIR imaging agents with tissue-specific uptake. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 4348-56	8.3	43
74	Central C-C Bonding Increases Optical and Chemical Stability of NIR Fluorophores. <i>RSC Advances</i> , 2014 , 4, 58762-58768	3.7	40
73	Near-Infrared Illumination of Native Tissues for Image-Guided Surgery. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 5311-23	8.3	40
72	Photo-Cured Glycol Chitosan Hydrogel for Ovarian Cancer Drug Delivery. <i>Marine Drugs</i> , 2019 , 17,	6	38

71	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
70	Biomedical Applications of Magnetically Functionalized Organic/Inorganic Hybrid Nanofibers. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 13661-77	6.3	36
69	Pancreas-targeted NIR fluorophores for dual-channel image-guided abdominal surgery. <i>Theranostics</i> , 2015 , 5, 1-11	12.1	35
68	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
67	Charge and hydrophobicity effects of NIR fluorophores on bone-specific imaging. <i>Theranostics</i> , 2015 , 5, 609-17	12.1	32
66	Insulin-loaded microcapsules for in vivo delivery. <i>Molecular Pharmaceutics</i> , 2009 , 6, 353-65	5.6	32
65	Near-infrared lipophilic fluorophores for tracing tissue growth. <i>Biomedical Materials (Bristol)</i> , 2013 , 8, 014110	3.5	31
64	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
63	Structure-Inherent Targeting of Near-Infrared Fluorophores for Image-Guided Surgery. <i>Chonnam Medical Journal</i> , 2017 , 53, 95-102	1.3	29
62	Simultaneous mapping of pan and sentinel lymph nodes for real-time image-guided surgery. <i>Theranostics</i> , 2014 , 4, 693-700	12.1	29
61	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
60	Synthesis and In Vivo Fate of Zwitterionic Near-Infrared Fluorophores. <i>Angewandte Chemie</i> , 2011 , 123, 6382-6387	3.6	26
59	Ligand accessibility to receptor binding sites enhanced by movable polyrotaxanes. <i>Macromolecular Bioscience</i> , 2011 , 11, 765-71	5.5	25
58	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
57	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
56	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
55	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
54	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

53	Thermo-Responsive Injectable MPEG-Polyester Diblock Copolymers for Sustained Drug Release. <i>Polymers</i> , 2014 , 6, 2670-2683	4.5	22
52	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
51	Endocrine-specific NIR fluorophores for adrenal gland targeting. <i>Chemical Communications</i> , 2016 , 52, 10305-8	5.8	21
50	Hydroxylated near-infrared BODIPY fluorophores as intracellular pH sensors. <i>Analyst, The</i> , 2014 , 139, 4862-73	5	21
49	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
48	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
47	Highly charged cyanine fluorophores for trafficking scaffold degradation. <i>Biomedical Materials (Bristol)</i> , 2013 , 8, 014109	3.5	20
46	A High-Affinity Repebody for Molecular Imaging of EGFR-Expressing Malignant Tumors. <i>Theranostics</i> , 2017 , 7, 2620-2633	12.1	20
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	Ectopic overexpression of CD133 in HNSCC makes it resistant to commonly used chemotherapeutics. <i>Tumor Biology</i> , 2017 , 39, 1010428317695534	2.9	18
43	Bioimaging of Hyaluronate-Interferon β Conjugates Using a Non-Interfering Zwitterionic Fluorophore. <i>Biomacromolecules</i> , 2015 , 16, 3054-61	6.9	18
42	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
41	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
40	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
39	Multivalent Mannose-Decorated NIR Nanoprobes for Targeting Pan Lymph Nodes. <i>Chemical Engineering Journal</i> , 2018 , 340, 51-57	14.7	16
38	Phosphonated Near-Infrared Fluorophores for Biomedical Imaging of Bone. <i>Angewandte Chemie</i> , 2014 , 126, 10844-10848	3.6	16
37	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
36	Real-time imaging of metastatic bone tumors with a targeted near-infrared fluorophore. <i>Oncotarget</i> , 2017 , 8, 65770-65777	3.3	15

35	Near-Infrared Fluorescent Sorbitol Probe for Targeted Photothermal Cancer Therapy. <i>Cancers</i> , 2019 , 11,	6.6	14
34	Controlled release of bovine serum albumin using MPEG-BCL diblock copolymers as implantable protein carriers. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 1561-1567	2.9	14
33	Near-Infrared Contrast Agents for Bone-Targeted Imaging. <i>Tissue Engineering and Regenerative Medicine</i> , 2019 , 16, 443-450	4.5	13
32	Rapid Differential Diagnosis of Breast Microcalcification Using Targeted Near-Infrared Fluorophores. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701062	10.1	11
31	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
30	Rapid and Facile Microwave-Assisted Surface Chemistry for Functionalized Microarray Slides. <i>Advanced Functional Materials</i> , 2012 , 22, 872-878	15.6	10
29	High-throughput screening of small molecule ligands targeted to live bacteria surface. <i>Analytical Chemistry</i> , 2013 , 85, 3508-14	7.8	10
28	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
27	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
26	Bioinspired carbon dots with high near-infrared absorbance for efficient photothermal cancer therapy. <i>Nanoscale</i> , 2021 , 13, 14426-14434	7.7	9
25	Indocyanine Green and Methyl- β -Cyclodextrin Complex for Enhanced Photothermal Cancer Therapy. <i>Biomedicines</i> , 2020 , 8,	4.8	8
24	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
23	Tumor-targeted near-infrared fluorophore for fluorescence-guided phototherapy. <i>Chemical Communications</i> , 2020 , 56, 4180-4183	5.8	7
22	Del-1, an Endogenous Inhibitor of TGF- β Activation, Attenuates Fibrosis. <i>Frontiers in Immunology</i> , 2020 , 11, 68	8.4	7
21	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
20	Bioengineered Short Carbon Nanotubes as Tumor-Targeted Carriers for Biomedical Imaging. <i>Macromolecular Research</i> , 2019 , 27, 833-838	1.9	6
19	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
18	Fluorometric Imaging for Early Diagnosis and Prognosis of Rheumatoid Arthritis. <i>Advanced Science</i> , 2020 , 7, 1902267	13.6	6

17	Zwitterionic near-infrared fluorophore for targeted photothermal cancer therapy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 2589-2597	7.3	5
16	Multivalent Sorbitol Probes for Near-Infrared Photothermal Cancer Therapy. <i>Particle and Particle Systems Characterization</i> , 2020 , 37, 1900490	3.1	5
15	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
14	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
13	Intraoperative Near-Infrared Fluorescence Imaging of Thymus in Preclinical Models. <i>Annals of Thoracic Surgery</i> , 2017 , 103, 1132-1141	2.7	3
12	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
11	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
10	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
9	Injectable Glycol Chitosan Hydrogel Containing Folic Acid-Functionalized Cyclodextrin-Paclitaxel Complex for Breast Cancer Therapy. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
8	Updates in molecular imaging techniques. <i>Tissue Engineering and Regenerative Medicine</i> , 2019 , 16, 431-435	4.5	2
7	Anti-inflammatory response of mannose-conjugated polyrotaxane endocytosed into macrophage. <i>Macromolecular Research</i> , 2011 , 19, 495-500	1.9	2
6	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
5	Surface Charge Modification of Polyethyleneimine for Enhanced Renal Clearance and Bioimaging. <i>Macromolecular Research</i> , 2018 , 26, 1251-1256	1.9	2
4	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
3	Rapid Clearance of IR783 and Methyl-Cyclodextrin Complex for Improved Tumor Imaging. <i>Particle and Particle Systems Characterization</i> , 2021 , 38, 2100068	3.1	1
2	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
1	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