Gyu Seong Heo

List of Publications by Year
in descending order

31 papers	**1,294** citations	430874 **18** h-index	454955 **30** g-index
31 all docs	**31** docs citations	**31** times ranked	**2500** citing authors

#	Article	IF	Citations
1	Polymeric Nanostructures for Imaging and Therapy. Chemical Reviews, 2015, 115, 10967-11011.	47.7	420
2	Molecular Imaging Visualizes Recruitment of Inflammatory Monocytes and Macrophages to the Injured Heart. Circulation Research, 2019, 124, 881-890.	4.5	94
3	Preparation and *in Vitro* Antimicrobial Activity of Silver-Bearing Degradable Polymeric Nanoparticles of Polyphosphoester-*block*-Poly(l-lactide). ACS Nano, 2015, 9, 1995-2008.	14.6	84
4	Development of a Vinyl Ether-Functionalized Polyphosphoester as a Template for Multiple Postpolymerization Conjugation Chemistries and Study of Core Degradable Polymeric Nanoparticles. Macromolecules, 2014, 47, 4634-4644.	4.8	64
5	Chemokine Receptor 2–targeted Molecular Imaging in Pulmonary Fibrosis. A Clinical Trial. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 78-89.	5.6	61
6	Detection of Living Anionic Species in Polymerization Reactions Using Hyperpolarized NMR. Journal of the American Chemical Society, 2013, 135, 4636-4639.	13.7	60
7	Focused ultrasound-enabled delivery of radiolabeled nanoclusters to the pons. Journal of Controlled Release, 2018, 283, 143-150.	9.9	45
8	Synthesis, Characterization, and In Vivo Efficacy of Shell Cross-Linked Nanoparticle Formulations Carrying Silver Antimicrobials as Aerosolized Therapeutics. ACS Nano, 2013, 7, 4977-4987.	14.6	44
9	Poly(d-glucose carbonate) Block Copolymers: A Platform for Natural Product-Based Nanomaterials with Solvothermatic Characteristics. Biomacromolecules, 2013, 14, 3346-3353.	5.4	38
10	Assessment of Copper Nanoclusters for Accurate in Vivo Tumor Imaging and Potential for Translation. ACS Applied Materials & Interfaces, 2019, 11, 19669-19678.	8.0	37
11	CC Chemokine Receptor 2-Targeting Copper Nanoparticles for Positron Emission Tomography-Guided Delivery of Gemcitabine for Pancreatic Ductal Adenocarcinoma. ACS Nano, 2021, 15, 1186-1198.	14.6	32
12	Syntheses of triblock bottlebrush polymers through sequential ROMPs: Expanding the functionalities of molecular brushes. Journal of Polymer Science Part A, 2017, 55, 2966-2970.	2.3	31
13	Targeted PET Imaging of Chemokine Receptor 2–Positive Monocytes and Macrophages in the Injured Heart. Journal of Nuclear Medicine, 2021, 62, 111-114.	5.0	31
14	Functionalizable Hydrophilic Polycarbonate, Poly(5-methyl-5-(2-hydroxypropyl)aminocarbonyl-1,3-dioxan-2-one), Designed as a Degradable Alternative for PHPMA and PEG. Macromolecules, 2015, 48, 8797-8805.	4.8	29
15	Focused Ultrasound Enabled Trans–Blood Brain Barrier Delivery of Gold Nanoclusters: Effect of Surface Charges and Quantification Using Positron Emission Tomography. Small, 2018, 14, e1703115.	10.0	29
16	CCR2 Positron Emission Tomography for the Assessment of Abdominal Aortic Aneurysm Inflammation and Rupture Prediction. Circulation: Cardiovascular Imaging, 2020, 13, e009889.	2.6	28
17	Holistic Assessment of Covalently Labeled Core–Shell Polymeric Nanoparticles with Fluorescent Contrast Agents for Theranostic Applications. Langmuir, 2014, 30, 631-641.	3.5	25
18	Aldehyde-functional polycarbonates as reactive platforms. Polymer Chemistry, 2014, 5, 3555-3558.	3.9	22

#	Article	IF	Citations
19	Investigating the pharmacokinetics and biological distribution of silver–loaded polyphosphoester–based nanoparticles using [111]Ag as a radiotracer. Journal of Labelled Compounds and Radiopharmaceuticals, 2015, 58, 234-241.	1.0	21
20	Magnetic Resonance Imaging-Guided Focused Ultrasound-Based Delivery of Radiolabeled Copper Nanoclusters to Diffuse Intrinsic Pontine Glioma. ACS Applied Nano Materials, 2020, 3, 11129-11134.	5.0	17
21	CC Chemokine Receptor 5 Targeted Nanoparticles Imaging the Progression and Regression of Atherosclerosis Using Positron Emission Tomography/Computed Tomography. Molecular Pharmaceutics, 2021, 18, 1386-1396.	4.6	15
22	A Vinyl Ether-Functional Polycarbonate as a Template for Multiple Postpolymerization Modifications. Macromolecules, 2018, 51, 3233-3242.	4.8	13
23	Functional, Degradable Zwitterionic Polyphosphoesters as Biocompatible Coating Materials for Metal Nanostructures. Langmuir, 2019, 35, 1503-1512.	3.5	13
24	CXCR4-Binding Positron Emission Tomography Tracers Link Monocyte Recruitment and Endothelial Injury in Murine Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 822-836.	2.4	13
25	Folate Receptor α-Targeted 89Zr-M9346A Immuno-PET for Image-Guided Intervention with Mirvetuximab Soravtansine in Triple-Negative Breast Cancer. Molecular Pharmaceutics, 2019, 16, 3996-4006.	4.6	12
26	Anhydride-functionalized fullerene: a versatile precursor for fullerene-based materials. Tetrahedron Letters, 2008, 49, 5540-5543.	1.4	5
27	Assessment of ultrasmall nanocluster for early and accurate detection of atherosclerosis using positron emission tomography/computed tomography. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 36, 102416.	3.3	5
28	C–X–C Chemokine Receptor Type 4-Targeted Imaging in Glioblastoma Multiforme Using ^{64}Cu-Radiolabeled Ultrasmall Gold Nanoclusters. ACS Applied Bio Materials, 2022, 5, 235-242.	4.6	3
29	The Latest Advances in Imaging Crosstalk Between the Immune System and Fibrosis in Cardiovascular Disease. Journal of Nuclear Medicine, 2021, 62, 1341-1346.	5.0	2
30	Ultrasmall Nanoclusters: Synthesis and Applications as an Emerging Platform for Imaging and Therapy. Current Analytical Chemistry, 2021, 17, 287-301.	1.2	1
31	Preparation of Degradable Polymeric Nanoparticles with Various Sizes and Surface Charges from Polycarbonate Block Copolymers. Macromolecular Research, 2019, 27, 1173-1178.	2.4	0