

Hak Soo Choi

List of Publications by Year in descending order

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Version: 2024-02-01

151
papers

13,762
citations

38742

50
h-index

20961

115
g-index

158
all docs

158
docs citations

158
times ranked

16328
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Renal clearance of quantum dots. <i>Nature Biotechnology</i> , 2007, 25, 1165-1170. | 17.5 | 3,789 |
| 2 | Design considerations for tumour-targeted nanoparticles. <i>Nature Nanotechnology</i> , 2010, 5, 42-47. | 31.5 | 692 |
| 3 | Rapid translocation of nanoparticles from the lung airspaces to the body. <i>Nature Biotechnology</i> , 2010, 28, 1300-1303. | 17.5 | 546 |
| 4 | Targeted zwitterionic near-infrared fluorophores for improved optical imaging. <i>Nature Biotechnology</i> , 2013, 31, 148-153. | 17.5 | 459 |
| 5 | Image-Guided Surgery Using Invisible Near-Infrared Light: Fundamentals of Clinical Translation. <i>Molecular Imaging</i> , 2010, 9, 7290.2010.00034. | 1.4 | 444 |
| 6 | Compact Cysteine-Coated CdSe(ZnCdS) Quantum Dots for in Vivo Applications. <i>Journal of the American Chemical Society</i> , 2007, 129, 14530-14531. | 13.7 | 382 |
| 7 | Self-assembled micellar nanocomplexes comprising green tea catechin derivatives and protein drugs for cancer therapy. <i>Nature Nanotechnology</i> , 2014, 9, 907-912. | 31.5 | 333 |
| 8 | Synthesis and In Vivo Fate of Zwitterionic Near-Infrared Fluorophores. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6258-6263. | 13.8 | 308 |
| 9 | Tissue-Specific Near-Infrared Fluorescence Imaging. <i>Accounts of Chemical Research</i> , 2016, 49, 1731-1740. | 15.6 | 308 |
| 10 | Tissue- and Organ-Selective Biodistribution of NIR Fluorescent Quantum Dots. <i>Nano Letters</i> , 2009, 9, 2354-2359. | 9.1 | 281 |
| 11 | Size-Dependent EPR Effect of Polymeric Nanoparticles on Tumor Targeting. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901223. | 7.6 | 264 |
| 12 | Image-Guided Oncologic Surgery Using Invisible Light: Completed Pre-Clinical Development for Sentinel Lymph Node Mapping. <i>Annals of Surgical Oncology</i> , 2006, 13, 1671-1681. | 1.5 | 249 |
| 13 | Image-guided surgery using invisible near-infrared light: fundamentals of clinical translation. <i>Molecular Imaging</i> , 2010, 9, 237-55. | 1.4 | 237 |
| 14 | Toward Optimization of Imaging System and Lymphatic Tracer for Near-Infrared Fluorescent Sentinel Lymph Node Mapping in Breast Cancer. <i>Annals of Surgical Oncology</i> , 2011, 18, 2483-2491. | 1.5 | 225 |
| 15 | Nanoparticles for Biomedical Imaging: Fundamentals of Clinical Translation. <i>Molecular Imaging</i> , 2010, 9, 7290.2010.00031. | 1.4 | 213 |
| 16 | Nanoparticles for biomedical imaging: fundamentals of clinical translation. <i>Molecular Imaging</i> , 2010, 9, 291-310. | 1.4 | 177 |
| 17 | Structure-inherent targeting of near-infrared fluorophores for parathyroid and thyroid gland imaging. <i>Nature Medicine</i> , 2015, 21, 192-197. | 30.7 | 166 |
| 18 | Long-term multimodal imaging of tumor draining sentinel lymph nodes using mesoporous silica-based nanoprobos. <i>Biomaterials</i> , 2012, 33, 4370-4378. | 11.4 | 129 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Renal Clearable Organic Nanocarriers for Bioimaging and Drug Delivery. <i>Advanced Materials</i> , 2016, 28, 8162-8168. | 21.0 | 122 |
| 20 | Real-time, near-infrared, fluorescence-guided identification of the ureters using methylene blue. <i>Surgery</i> , 2010, 148, 78-86. | 1.9 | 116 |
| 21 | Pharmacokinetics, pharmacodynamics and toxicology of theranostic nanoparticles. <i>Nanoscale</i> , 2015, 7, 18848-18862. | 5.6 | 115 |
| 22 | Real-time intra-operative near-infrared fluorescence identification of the extrahepatic bile ducts using clinically available contrast agents. <i>Surgery</i> , 2010, 148, 87-95. | 1.9 | 109 |
| 23 | Phosphonated Near-Infrared Fluorophores for Biomedical Imaging of Bone. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10668-10672. | 13.8 | 106 |
| 24 | Light-responsive nanomedicine for biophotonic imaging and targeted therapy. <i>Advanced Drug Delivery Reviews</i> , 2019, 138, 133-147. | 13.7 | 106 |
| 25 | pH- and Thermosensitive Supramolecular Assembling System: A Rapidly Responsive Properties of β -Cyclodextrin-Conjugated Poly(μ -lysine). <i>Journal of the American Chemical Society</i> , 2003, 125, 6350-6351. | 13.7 | 102 |
| 26 | Cartilage-Specific Near-Infrared Fluorophores for Biomedical Imaging. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8648-8652. | 13.8 | 97 |
| 27 | Smartphone-Based Fluorescent Diagnostic System for Highly Pathogenic H5N1 Viruses. <i>Theranostics</i> , 2016, 6, 231-242. | 10.0 | 91 |
| 28 | Theranostic nanosystems for targeted cancer therapy. <i>Nano Today</i> , 2018, 23, 59-72. | 11.9 | 86 |
| 29 | An injectable, click-crosslinked, cytomodulin-modified hyaluronic acid hydrogel for cartilage tissue engineering. <i>NPG Asia Materials</i> , 2019, 11, . | 7.9 | 85 |
| 30 | Near-infrared fluorescence imaging in immunotherapy. <i>Advanced Drug Delivery Reviews</i> , 2020, 167, 121-134. | 13.7 | 84 |
| 31 | Renal clearable nanochelators for iron overload therapy. <i>Nature Communications</i> , 2019, 10, 5134. | 12.8 | 83 |
| 32 | Prototype Nerve-Specific Near-Infrared Fluorophores. <i>Theranostics</i> , 2014, 4, 823-833. | 10.0 | 81 |
| 33 | Bioengineered Magnetoferritin Nanoprobes for Single-Dose Nuclear-Magnetic Resonance Tumor Imaging. <i>ACS Nano</i> , 2016, 10, 4184-4191. | 14.6 | 81 |
| 34 | Real-Time Simultaneous Near-Infrared Fluorescence Imaging of Bile Duct and Arterial Anatomy. <i>Journal of Surgical Research</i> , 2012, 176, 7-13. | 1.6 | 77 |
| 35 | Intraoperative Localization of Insulinoma and Normal Pancreas Using Invisible Near-Infrared Fluorescent Light. <i>Annals of Surgical Oncology</i> , 2010, 17, 1094-1100. | 1.5 | 73 |
| 36 | NIR fluorescent small molecules for intraoperative imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2015, 7, 828-838. | 6.1 | 70 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Clinical Translation of Ex Vivo Sentinel Lymph Node Mapping for Colorectal Cancer Using Invisible Near-Infrared Fluorescence Light. <i>Annals of Surgical Oncology</i> , 2011, 18, 1006-1014. | 1.5 | 69 |
| 38 | Real-time Imaging of Brain Tumor for Image-Guided Surgery. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800066. | 7.6 | 67 |
| 39 | Role of Albumin in Accumulation and Persistence of Tumor-Seeking Cyanine Dyes. <i>Bioconjugate Chemistry</i> , 2020, 31, 248-259. | 3.6 | 67 |
| 40 | Rapid induction of thermoreversible hydrogel formation based on poly(propylene glycol)-grafted dextran inclusion complexes. <i>Macromolecular Bioscience</i> , 2002, 2, 298-303. | 4.1 | 65 |
| 41 | Near-Infrared Fluorescence Imaging for Noninvasive Trafficking of Scaffold Degradation. <i>Scientific Reports</i> , 2013, 3, 1198. | 3.3 | 65 |
| 42 | 700-nm Zwitterionic Near-Infrared Fluorophores for Dual-Channel Image-Guided Surgery. <i>Molecular Imaging and Biology</i> , 2016, 18, 52-61. | 2.6 | 65 |
| 43 | Tailored Near-Infrared Contrast Agents for Image Guided Surgery. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 2845-2854. | 6.4 | 63 |
| 44 | Design considerations for targeted optical contrast agents. <i>Quantitative Imaging in Medicine and Surgery</i> , 2012, 2, 266-73. | 2.0 | 63 |
| 45 | Control of Rapid Phase Transition Induced by Supramolecular Complexation of β -Cyclodextrin-Conjugated Poly(μ -lysine) with a Specific Guest. <i>Macromolecules</i> , 2003, 36, 5342-5347. | 4.8 | 57 |
| 46 | Airway Epithelial Cell-Derived Colony Stimulating Factor-1 Promotes Allergen Sensitization. <i>Immunity</i> , 2018, 49, 275-287.e5. | 14.3 | 57 |
| 47 | Enzyme-amplified SERS immunoassay with Ag-Au bimetallic SERS hot spots. <i>Nano Research</i> , 2020, 13, 3338-3346. | 10.4 | 56 |
| 48 | cGMP-Compatible preparative scale synthesis of near-infrared fluorophores. <i>Contrast Media and Molecular Imaging</i> , 2012, 7, 516-524. | 0.8 | 55 |
| 49 | Central C-C bonding increases optical and chemical stability of NIR fluorophores. <i>RSC Advances</i> , 2014, 4, 58762-58768. | 3.6 | 55 |
| 50 | Synthesis of Poly(ϵ -lysine)-Grafted Dextrans and Their pH- and Thermosensitive Hydrogelation with Cyclodextrins. <i>ChemPhysChem</i> , 2005, 6, 1081-1086. | 2.1 | 52 |
| 51 | QuatCy: A Heptamethine Cyanine Modification With Improved Characteristics. <i>Theranostics</i> , 2019, 9, 2856-2867. | 10.0 | 51 |
| 52 | Correlating Molecular Character of NIR Imaging Agents with Tissue-Specific Uptake. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 4348-4356. | 6.4 | 49 |
| 53 | Peroxidase-Like Nanozymes Induce a Novel Form of Cell Death and Inhibit Tumor Growth In Vivo. <i>Advanced Functional Materials</i> , 2020, 30, 2000647. | 14.9 | 49 |
| 54 | Near-Infrared Illumination of Native Tissues for Image-Guided Surgery. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5311-5323. | 6.4 | 46 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | Charge and Hydrophobicity Effects of NIR Fluorophores on Bone-Specific Imaging. <i>Theranostics</i> , 2015, 5, 609-617. | 10.0 | 45 |
| 56 | Bioengineered H-Ferritin Nanocages for Quantitative Imaging of Vulnerable Plaques in Atherosclerosis. <i>ACS Nano</i> , 2018, 12, 9300-9308. | 14.6 | 43 |
| 57 | Intraoperative biophotonic imaging systems for image-guided interventions. <i>Nanophotonics</i> , 2018, 8, 99-116. | 6.0 | 40 |
| 58 | Rapidly photocurable silk fibroin sealant for clinical applications. <i>NPG Asia Materials</i> , 2020, 12, . | 7.9 | 40 |
| 59 | NIR fluorescence for monitoring in vivo scaffold degradation along with stem cell tracking in bone tissue engineering. <i>Biomaterials</i> , 2020, 258, 120267. | 11.4 | 40 |
| 60 | Block-Selective Movement of β -Cyclodextrins in Polyrotaxanes of PEI-b-PEG-b-PEI Copolymer. <i>Macromolecules</i> , 2005, 38, 9878-9881. | 4.8 | 39 |
| 61 | qF-SSOP: real-time optical property corrected fluorescence imaging. <i>Biomedical Optics Express</i> , 2017, 8, 3597. | 2.9 | 39 |
| 62 | Near-infrared lipophilic fluorophores for tracing tissue growth. <i>Biomedical Materials (Bristol)</i> , 2013, 8, 014110. | 3.3 | 38 |
| 63 | Pancreas-Targeted NIR Fluorophores for Dual-Channel Image-Guided Abdominal Surgery. <i>Theranostics</i> , 2015, 5, 1-11. | 10.0 | 38 |
| 64 | One-Pot Synthesis of a Polyrotaxane via Selective Threading of a PEI-b-PEG-b-PEI Copolymer. <i>Macromolecular Bioscience</i> , 2006, 6, 420-424. | 4.1 | 37 |
| 65 | Multispectral image-guided surgery in patients. <i>Nature Biomedical Engineering</i> , 2020, 4, 245-246. | 22.5 | 37 |
| 66 | ZW800-PEG: A Renal Clearable Zwitterionic Near-Infrared Fluorophore for Potential Clinical Translation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13847-13852. | 13.8 | 36 |
| 67 | Tumor-Associated Immune-Cell-Mediated Tumor-Targeting Mechanism with NIR-Fluorescence Imaging. <i>Advanced Materials</i> , 2022, 34, e2106500. | 21.0 | 36 |
| 68 | Simultaneous Mapping of Pan and Sentinel Lymph Nodes for Real-Time Image-Guided Surgery. <i>Theranostics</i> , 2014, 4, 693-700. | 10.0 | 34 |
| 69 | PSMA-targeted contrast agents for intraoperative imaging of prostate cancer., <i>Chemical Communications</i> , 2017, 53, 1611-1614. | 4.1 | 34 |
| 70 | Single Microfluidic Electrochemical Sensor System for Simultaneous Multi-Pulmonary Hypertension Biomarker Analyses. <i>Scientific Reports</i> , 2017, 7, 7545. | 3.3 | 34 |
| 71 | Renal Clearable Theranostic Nanoplatfoms for Gastrointestinal Stromal Tumors. <i>Advanced Materials</i> , 2020, 32, e1905899. | 21.0 | 34 |
| 72 | Highly-Soluble Cyanine J-aggregates Entrapped by Liposomes for <i>In Vivo</i> Optical Imaging around 930 nm. <i>Theranostics</i> , 2019, 9, 381-390. | 10.0 | 33 |

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|----|---|------|-----------|
| 73 | A Hybrid Speller Design Using Eye Tracking and SSVEP Brain-Computer Interface. <i>Sensors</i> , 2020, 20, 891. | 3.8 | 32 |
| 74 | Development of a smartphone-based rapid dual fluorescent diagnostic system for the simultaneous detection of influenza A and H5 subtype in avian influenza A-infected patients. <i>Theranostics</i> , 2018, 8, 6132-6148. | 10.0 | 29 |
| 75 | Dual-Channel Fluorescence Imaging of Hydrogel Degradation and Tissue Regeneration in the Brain. <i>Theranostics</i> , 2019, 9, 4255-4264. | 10.0 | 29 |
| 76 | Quickly evolving near-infrared photoimmunotherapy provides multifaceted approach to modern cancer treatment. <i>View</i> , 2022, 3, 20200110. | 5.3 | 28 |
| 77 | Building blocks for tumour delivery. <i>Nature Nanotechnology</i> , 2014, 9, 93-94. | 31.5 | 27 |
| 78 | Injectable Thermosensitive Hydrogels for a Sustained Release of Iron Nanochelators. <i>Advanced Science</i> , 2022, 9, e2200872. | 11.2 | 27 |
| 79 | Rapid and Quantitative Detection of Zoonotic Influenza A Virus Infection Utilizing Coumarin-derived dendrimer-based Fluorescent Immunochromatographic Strip Test (FICT). <i>Theranostics</i> , 2014, 4, 1239-1249. | 10.0 | 26 |
| 80 | Chemical Modulation of Bioengineered Exosomes for Tissue-Specific Biodistribution. <i>Advanced Therapeutics</i> , 2019, 2, 1900111. | 3.2 | 26 |
| 81 | Highly sensitive near-infrared SERS nanoprobe for in vivo imaging using gold-assembled silica nanoparticles with controllable nanogaps. <i>Journal of Nanobiotechnology</i> , 2022, 20, 130. | 9.1 | 26 |
| 82 | Simultaneous Assessment of Luminal Integrity and Vascular Perfusion of the Gastrointestinal Tract Using Dual-Channel Near-Infrared Fluorescence. <i>Molecular Imaging</i> , 2012, 11, 7290.2011.00048. | 1.4 | 25 |
| 83 | A Comparison of [99mTc]Duramycin and [99mTc]Annexin V in SPECT/CT Imaging Atherosclerotic Plaques. <i>Molecular Imaging and Biology</i> , 2018, 20, 249-259. | 2.6 | 25 |
| 84 | Colony-stimulating factor 1 and its receptor are new potential therapeutic targets for allergic asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 357-369. | 5.7 | 25 |
| 85 | Highly charged cyanine fluorophores for trafficking scaffold degradation. <i>Biomedical Materials (Bristol)</i> , 2013, 8, 014109. | 3.3 | 24 |
| 86 | Endocrine-specific NIR fluorophores for adrenal gland targeting. <i>Chemical Communications</i> , 2016, 52, 10305-10308. | 4.1 | 24 |
| 87 | Lysosome-Targeted Bioprobes for Sequential Cell Tracking from Macroscopic to Microscopic Scales. <i>Advanced Materials</i> , 2019, 31, e1806216. | 21.0 | 24 |
| 88 | Fluorescence Lifetime-Based Tumor Contrast Enhancement Using an EGFR Antibody-Labeled Near-Infrared Fluorophore. <i>Clinical Cancer Research</i> , 2019, 25, 6653-6661. | 7.0 | 24 |
| 89 | Sunflower-Shaped Cyclodextrin-Conjugated Poly(μ -Lysine) Polyplex as a Controlled Intracellular Trafficking Device. <i>ChemBioChem</i> , 2005, 6, 1986-1990. | 2.6 | 23 |
| 90 | Multivalent mannose-decorated NIR nanoprobe for targeting pan lymph nodes. <i>Chemical Engineering Journal</i> , 2018, 340, 51-57. | 12.7 | 22 |

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|-----|---|------|-----------|
| 91 | Fluorescence molecular imaging systems for intraoperative image-guided surgery. <i>Applied Spectroscopy Reviews</i> , 2018, 53, 349-359. | 6.7 | 22 |
| 92 | P2X7 PET Radioligand ^{18}F -PTTP for Differentiation of Lung Tumor from Inflammation. <i>Journal of Nuclear Medicine</i> , 2019, 60, 930-936. | 5.0 | 22 |
| 93 | Low-frequency wide-field fluorescence lifetime imaging using a high-power near-infrared light-emitting diode light source. <i>Journal of Biomedical Optics</i> , 2010, 15, 026005. | 2.6 | 21 |
| 94 | Sentinel Lymph Node Mapping of Liver. <i>Annals of Surgical Oncology</i> , 2015, 22, 1147-1155. | 1.5 | 21 |
| 95 | Combating iron overload: a case for deferoxamine-based nanochelators. <i>Nanomedicine</i> , 2020, 15, 1341-1356. | 3.3 | 21 |
| 96 | Bioimaging of Hyaluronate-Interferon β Conjugates Using a Non-Interfering Zwitterionic Fluorophore. <i>Biomacromolecules</i> , 2015, 16, 3054-3061. | 5.4 | 20 |
| 97 | pH-Sensitive Locomotion of Cyclodextrins in a Block-Selective Mobile Polyrotaxane. <i>ChemPhysChem</i> , 2006, 7, 1671-1673. | 2.1 | 19 |
| 98 | Two-wavelength near-infrared fluorescence for the quantitation of drug antiplatelet effects in large animal model systems. <i>Journal of Vascular Surgery</i> , 2012, 56, 171-180. | 1.1 | 19 |
| 99 | Determination of renal function and injury using near-infrared fluorimetry in experimental cardiorenal syndrome. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F629-F639. | 2.7 | 19 |
| 100 | Neuroimaging Modalities in Alzheimer's Disease: Diagnosis and Clinical Features. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6079. | 4.1 | 19 |
| 101 | Optical spectroscopic imaging for cell therapy and tissue engineering. <i>Applied Spectroscopy Reviews</i> , 2018, 53, 360-375. | 6.7 | 18 |
| 102 | Cross-linked electrospun cartilage acellular matrix/poly(caprolactone-co-lactide-co-glycolide) nanofiber as an antiadhesive barrier. <i>Acta Biomaterialia</i> , 2018, 74, 192-206. | 8.3 | 18 |
| 103 | Targeted molecular imaging of TLR4 in hepatocellular carcinoma using zwitterionic near-infrared fluorophores. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1548-1555. | 2.0 | 18 |
| 104 | Facile formulation of a long-wavelength cyanine for optical imaging in the second near-infrared window. <i>Biomaterials Science</i> , 2020, 8, 4199-4205. | 5.4 | 16 |
| 105 | Antigen-responsive molecular sensor enables real-time tumor-specific imaging. <i>Theranostics</i> , 2017, 7, 952-961. | 10.0 | 14 |
| 106 | Ultrabright and Serum-Stable Squaraine Dyes. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 9436-9445. | 6.4 | 14 |
| 107 | Structural Role of Guest Molecules in Rapid and Sensitive Supramolecular Assembling System Based on β -Cyclodextrin-Conjugated Poly(μ -lysine). <i>Macromolecules</i> , 2004, 37, 10036-10041. | 4.8 | 12 |
| 108 | Fluorometric Imaging for Early Diagnosis and Prognosis of Rheumatoid Arthritis. <i>Advanced Science</i> , 2020, 7, 1902267. | 11.2 | 12 |

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|-----|---|------|-----------|
| 109 | An efficient strategy to enhance binding affinity and specificity of a known isozyme inhibitor. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6833-6839. | 2.8 | 11 |
| 110 | Prognostic imaging of iatrogenic and traumatic ureteral injury by near-infrared fluorescence. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1056-1065. | 2.0 | 11 |
| 111 | An injectable cationic hydrogel electrostatically interacted with BMP2 to enhance in vivo osteogenic differentiation of human turbinate mesenchymal stem cells. <i>Materials Science and Engineering C</i> , 2019, 103, 109853. | 7.3 | 11 |
| 112 | Endogenous Stem Cell-Based In Situ Tissue Regeneration Using Electrostatically Interactive Hydrogel with a Newly Discovered Substance P Analog and VEGF-Mimicking Peptide. <i>Small</i> , 2021, 17, e2103244. | 10.0 | 11 |
| 113 | Topical pH Sensing NIR Fluorophores for Intraoperative Imaging and Surgery of Disseminated Ovarian Cancer. <i>Advanced Science</i> , 2022, 9, e2201416. | 11.2 | 11 |
| 114 | A small molecule redistributes iron in ferroportin-deficient mice and patient-derived primary macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, . | 7.1 | 11 |
| 115 | A novel pilot animal model for the surgical prevention of lymphedema: the power of optical imaging. <i>Journal of Surgical Research</i> , 2018, 221, 285-292. | 1.6 | 10 |
| 116 | Targeted Near-Infrared Fluorescence Imaging for Regenerative Medicine. <i>Tissue Engineering and Regenerative Medicine</i> , 2019, 16, 433-442. | 3.7 | 10 |
| 117 | Real-Time Imaging of Vaccine Biodistribution Using Zwitterionic NIR Nanoparticles. <i>Advanced Healthcare Materials</i> , 2019, 8, 1900035. | 7.6 | 10 |
| 118 | Zwitterionic near-infrared fluorophore-conjugated epidermal growth factor for fast, real-time, and target-cell-specific cancer imaging. <i>Theranostics</i> , 2019, 9, 1085-1095. | 10.0 | 10 |
| 119 | High-throughput single-cell live imaging of photobiomodulation with multispectral near-infrared lasers in cultured T cells. <i>Journal of Biomedical Optics</i> , 2020, 25, 1. | 2.6 | 10 |
| 120 | Exponential growth of publications on carbon nanodots by Chinese authors. <i>Journal of Thoracic Disease</i> , 2015, 7, E201-5. | 1.4 | 10 |
| 121 | Simultaneous assessment of luminal integrity and vascular perfusion of the gastrointestinal tract using dual-channel near-infrared fluorescence. <i>Molecular Imaging</i> , 2012, 11, 301-8. | 1.4 | 10 |
| 122 | Fast and Durable Intraoperative Near-Infrared Imaging of Ovarian Cancer Using Ultrabright Squaraine Fluorophores. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 13.8 | 10 |
| 123 | Site-Specific In Vivo Bioorthogonal Ligation via Chemical Modulation. <i>Advanced Healthcare Materials</i> , 2016, 5, 2510-2516. | 7.6 | 9 |
| 124 | Mini-Platform for Off-On Near-Infrared Fluorescence Imaging Using Peptide-Targeting Ligands. <i>Bioconjugate Chemistry</i> , 2020, 31, 721-728. | 3.6 | 9 |
| 125 | Non-invasive in vivo monitoring of transplanted stem cells in 3D-bioprinted constructs using near-infrared fluorescent imaging. <i>Bioengineering and Translational Medicine</i> , 2021, 6, e10216. | 7.1 | 9 |
| 126 | Rapid and Selective Targeting of Heterogeneous Pancreatic Neuroendocrine Tumors. <i>IScience</i> , 2020, 23, 101006. | 4.1 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Bioimaging of botulinum toxin and hyaluronate hydrogels using zwitterionic near-infrared fluorophores. <i>Biomaterials Research</i> , 2017, 21, 15. | 6.9 | 7 |
| 128 | Real-Time Fluorescence Imaging in Thoracic Surgery. <i>Korean Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 52, 205-220. | 0.6 | 7 |
| 129 | NIR Fluorescence Imaging Systems with Optical Packaging Technology. <i>Journal of the Microelectronics and Packaging Society</i> , 2014, 21, 25-31. | 0.1 | 7 |
| 130 | ¹ H NMR titration study of stimuli-responsive supramolecular assemblies: inclusion complexes between PEG- β -PEI copolymer-grafted dextran and naphthalene-appended β -cyclodextrin via double-strand inclusion. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 323-328. | 1.6 | 6 |
| 131 | A low-cost linear DC - 35 MHz high-power LED driver for continuous wave (CW) and fluorescence lifetime imaging (FLIM). , 2008, 6848, 684807. | | 6 |
| 132 | Investigating fluorescent dyes in fluorescence-assisted screenings. <i>Chemical Communications</i> , 2014, 50, 15220-15223. | 4.1 | 6 |
| 133 | In Vivo Imaging of Click-Crosslinked Hydrogel Depots Following Intratympanic Injection. <i>Materials</i> , 2020, 13, 3070. | 2.9 | 6 |
| 134 | 3D Printing and NIR Fluorescence Imaging Techniques for the Fabrication of Implants. <i>Materials</i> , 2020, 13, 4819. | 2.9 | 6 |
| 135 | Molecular-Recognition and Binding Properties of Cyclodextrin-Conjugated Polyrotaxanes. <i>ChemPhysChem</i> , 2006, 7, 1668-1670. | 2.1 | 5 |
| 136 | Fluorescent nanodiamond α -hyaluronate conjugates for target-specific molecular imaging. <i>RSC Advances</i> , 2021, 11, 23073-23081. | 3.6 | 5 |
| 137 | Enhancement of Wound Healing Efficacy by Increasing the Stability and Skin-Penetrating Property of bFGF Using 30Kc191-Based Fusion Protein. <i>Advanced Biology</i> , 2021, 5, e2000176. | 2.5 | 5 |
| 138 | ZW800-PEG: A Renal Clearable Zwitterionic Near-Infrared Fluorophore for Potential Clinical Translation. <i>Angewandte Chemie</i> , 2021, 133, 13966-13971. | 2.0 | 5 |
| 139 | Microscopic Validation of Macroscopic In Vivo Images Enabled by Same-Slide Optical and Nuclear Fusion. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1899-1904. | 5.0 | 4 |
| 140 | Intraoperative Near-Infrared Fluorescence Imaging of Thymus in Preclinical Models. <i>Annals of Thoracic Surgery</i> , 2017, 103, 1132-1141. | 1.3 | 4 |
| 141 | High-Throughput Sorting and Placement of One-Bead-One-Compound (OBOC) Libraries from Bulk to Single Wells in Organic Solvent. <i>ACS Combinatorial Science</i> , 2015, 17, 303-309. | 3.8 | 3 |
| 142 | Screening of Small Molecule Microarrays for Ligands Targeted to the Extracellular Epitopes of Living Cells. <i>Microarrays (Basel, Switzerland)</i> , 2015, 4, 53-63. | 1.4 | 3 |
| 143 | Fast and Durable Intraoperative Near-Infrared Imaging of Ovarian Cancer Using Ultrabright Squaraine Fluorophores. <i>Angewandte Chemie</i> , 2022, 134, . | 2.0 | 3 |
| 144 | QuatCy-1 and MHI-2 in Photodynamic Therapy. <i>ACS Medicinal Chemistry Letters</i> , 2022, 13, 470-474. | 2.8 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Reversal of genetic brain iron accumulation by N,Nâ€²-bis(2-mercaptoethyl)isophthalamide, a lipophilic metal chelator, in mice. Archives of Toxicology, 2022, , 1. | 4.2 | 3 |
| 146 | Novel Quantification of Real-Time Lymphatic Clearance: Immediate Lymphatic Reconstruction in a Large-Animal Model. Plastic and Reconstructive Surgery, 2022, 149, 130-141. | 1.4 | 2 |
| 147 | Synchronized tracking of brain cognitive processing using EEG and vision signals. Applied Spectroscopy Reviews, 2016, 51, 592-602. | 6.7 | 1 |
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