

Sanjiv S Gambhir

List of Publications by Year in descending order

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Version: 2024-02-01

420
papers

44,040
citations

1606

105
h-index

2675

193
g-index

427
all docs

427
docs citations

427
times ranked

42126
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Assessment of Tumor Redox Status through ^{18}F -4-(3-[^{18}F]fluoropropyl)-L-Glutamic Acid PET Imaging of System xc ⁻ Activity. <i>Cancer Research</i> , 2022, 79, 853-863. | 0.4 | 42 |
| 2 | Design and evaluation of Raman reporters for the Raman-silent region. <i>Nanotheranostics</i> , 2022, 6, 1-9. | 2.7 | 8 |
| 3 | Nuclear Imaging of Endogenous Markers of Lymphocyte Response. , 2022, , 15-59. | | 1 |
| 4 | Early detection of cancer. <i>Science</i> , 2022, 375, eaay9040. | 6.0 | 291 |
| 5 | Multiparameter Longitudinal Imaging of Immune Cell Activity in Chimeric Antigen Receptor T Cell and Checkpoint Blockade Therapies. <i>ACS Central Science</i> , 2022, 8, 590-602. | 5.3 | 15 |
| 6 | Molecular Imaging of Chimeric Antigen Receptor T Cells by ICOS-ImmunoPET. <i>Clinical Cancer Research</i> , 2021, 27, 1058-1068. | 3.2 | 53 |
| 7 | Real-time point-of-care total protein measurement with a miniaturized optoelectronic biosensor and fast fluorescence-based assay. <i>Biosensors and Bioelectronics</i> , 2021, 180, 112823. | 5.3 | 9 |
| 8 | Tumor treating fields (TTFields) impairs aberrant glycolysis in glioblastoma as evaluated by [^{18}F]DASA-23, a non-invasive probe of pyruvate kinase M2 (PKM2) expression. <i>Neoplasia</i> , 2021, 23, 58-67. | 2.3 | 13 |
| 9 | Giant Magnetoresistive Nanosensor Analysis of Circulating Tumor DNA Epidermal Growth Factor Receptor Mutations for Diagnosis and Therapy Response Monitoring. <i>Clinical Chemistry</i> , 2021, 67, 534-542. | 1.5 | 14 |
| 10 | A mathematical model of tumor regression and recurrence after therapeutic oncogene inactivation. <i>Scientific Reports</i> , 2021, 11, 1341. | 1.6 | 8 |
| 11 | Multiplexed Raman Imaging in Tissues and Living Organisms. <i>Methods in Molecular Biology</i> , 2021, 2350, 331-340. | 0.4 | 1 |
| 12 | A miniaturized optoelectronic biosensor for real-time point-of-care total protein analysis. <i>MethodsX</i> , 2021, 8, 101414. | 0.7 | 3 |
| 13 | Continuous health monitoring: An opportunity for precision health. <i>Science Translational Medicine</i> , 2021, 13, . | 5.8 | 39 |
| 14 | Multiparametric Photoacoustic Analysis of Human Thyroid Cancers <i>In Vivo</i> . <i>Cancer Research</i> , 2021, 81, 4849-4860. | 0.4 | 72 |
| 15 | Minicircles for a two-step blood biomarker and PET imaging early cancer detection strategy. <i>Journal of Controlled Release</i> , 2021, 335, 281-289. | 4.8 | 6 |
| 16 | Imaging alloreactive T cells provides early warning of organ transplant rejection. <i>JCI Insight</i> , 2021, 6, . | 2.3 | 3 |
| 17 | A Humanized Anti-GPC3 Antibody for Immuno-Positron Emission Tomography Imaging of Orthotopic Mouse Model of Patient-Derived Hepatocellular Carcinoma Xenografts. <i>Cancers</i> , 2021, 13, 3977. | 1.7 | 8 |
| 18 | Whole-body PET Imaging of T-cell Response to Glioblastoma. <i>Clinical Cancer Research</i> , 2021, 27, 6445-6456. | 3.2 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | An approach for optimizing gold nanoparticles for possible medical applications, using correlative electron energy loss and Raman spectroscopies on electron beam lithographically fabricated arrays. <i>Journal of Materials Research</i> , 2021, 36, 3383. | 1.2 | 0 |
| 20 | PET Imaging of TIGIT Expression on Tumor-Infiltrating Lymphocytes. <i>Clinical Cancer Research</i> , 2021, 27, 1932-1940. | 3.2 | 25 |
| 21 | A protease-activated, near-infrared fluorescent probe for early endoscopic detection of premalignant gastrointestinal lesions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 38 |
| 22 | Noninvasive and Highly Multiplexed Five-Color Tumor Imaging of Multicore Near-Infrared Resonant Surface-Enhanced Raman Nanoparticles <i>In Vivo</i> . <i>ACS Nano</i> , 2021, 15, 19956-19969. | 7.3 | 19 |
| 23 | Simultaneous PET/MRI in the Evaluation of Breast and Prostate Cancer Using Combined Na[¹⁸ F] F and [¹⁸ F]FDG: a Focus on Skeletal Lesions. <i>Molecular Imaging and Biology</i> , 2020, 22, 397-406. | 1.3 | 14 |
| 24 | Evaluation of Glycolytic Response to Multiple Classes of Anti-glioblastoma Drugs by Noninvasive Measurement of Pyruvate Kinase M2 Using [¹⁸ F]DASA-23. <i>Molecular Imaging and Biology</i> , 2020, 22, 124-133. | 1.3 | 13 |
| 25 | Toward the Clinical Development and Validation of a Thy1-Targeted Ultrasound Contrast Agent for the Early Detection of Pancreatic Ductal Adenocarcinoma. <i>Investigative Radiology</i> , 2020, 55, 711-721. | 3.5 | 11 |
| 26 | PET Reporter Gene Imaging and Ganciclovir-Mediated Ablation of Chimeric Antigen Receptor T Cells in Solid Tumors. <i>Cancer Research</i> , 2020, 80, 4731-4740. | 0.4 | 24 |
| 27 | Clinical Evaluation of (4S)-4-(3-[¹⁸ F]Fluoropropyl)-L-glutamate (18F-FSPG) for PET/CT Imaging in Patients with Newly Diagnosed and Recurrent Prostate Cancer. <i>Clinical Cancer Research</i> , 2020, 26, 5380-5387. | 3.2 | 15 |
| 28 | Two Patient Studies of a Companion Diagnostic Immuno-Positron Emission Tomography (PET) Tracer for Measuring Human CA6 Expression in Cancer for Antibody Drug Conjugate (ADC) Therapy. <i>Molecular Imaging</i> , 2020, 19, 153601212093939. | 0.7 | 3 |
| 29 | Visualization of Activated T Cells by OX40-ImmunoPET as a Strategy for Diagnosis of Acute Graft-versus-Host Disease. <i>Cancer Research</i> , 2020, 80, 4780-4790. | 0.4 | 21 |
| 30 | Reduction Triggered <i>In Situ</i> Polymerization in Living Mice. <i>Journal of the American Chemical Society</i> , 2020, 142, 15575-15584. | 6.6 | 42 |
| 31 | Intravital imaging reveals synergistic effect of CAR T-cells and radiation therapy in a preclinical immunocompetent glioblastoma model. <i>Oncolmmunology</i> , 2020, 9, 1757360. | 2.1 | 46 |
| 32 | PET Imaging of the Natural Killer Cell Activation Receptor NKp30. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1348-1354. | 2.8 | 19 |
| 33 | Integrating genomic features for non-invasive early lung cancer detection. <i>Nature</i> , 2020, 580, 245-251. | 13.7 | 379 |
| 34 | A mountable toilet system for personalized health monitoring via the analysis of excreta. <i>Nature Biomedical Engineering</i> , 2020, 4, 624-635. | 11.6 | 112 |
| 35 | New synthesis of ¹⁸ F-fluoromaltotriose for positron emission tomography imaging of bacterial infection. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2020, 63, 466-475. | 0.5 | 7 |
| 36 | Radiotheranostics: a roadmap for future development. <i>Lancet Oncology</i> , The, 2020, 21, e146-e156. | 5.1 | 151 |

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|----|--|-----|-----------|
| 37 | Reconstructed Apoptotic Bodies as Targeted "Nano Decoys" to Treat Intracellular Bacterial Infections within Macrophages and Cancer Cells. <i>ACS Nano</i> , 2020, 14, 5818-5835. | 7.3 | 52 |
| 38 | Non-Invasive Photoacoustic Imaging of In Vivo Mice with Erythrocyte Derived Optical Nanoparticles to Detect CAD/MI. <i>Scientific Reports</i> , 2020, 10, 5983. | 1.6 | 7 |
| 39 | ICOS Is an Indicator of T-cell-Mediated Response to Cancer Immunotherapy. <i>Cancer Research</i> , 2020, 80, 3023-3032. | 0.4 | 72 |
| 40 | Initial evaluation of (4S)-4-(3-[¹⁸ F]fluoropropyl)-L-glutamate (FSPG) PET/CT imaging in patients with head and neck cancer, colorectal cancer, or non-Hodgkin lymphoma. <i>EJNMMI Research</i> , 2020, 10, 100. | 1.1 | 10 |
| 41 | Continuous-Wave Coherent Raman Spectroscopy via Plasmonic Enhancement. <i>Scientific Reports</i> , 2019, 9, 12092. | 1.6 | 10 |
| 42 | Ultrasound/microbubble-mediated targeted delivery of anticancer microRNA-loaded nanoparticles to deep tissues in pigs. <i>Journal of Controlled Release</i> , 2019, 309, 1-10. | 4.8 | 48 |
| 43 | Biodegradable Fluorescent Nanoparticles for Endoscopic Detection of Colorectal Carcinogenesis. <i>Advanced Functional Materials</i> , 2019, 29, 1904992. | 7.8 | 28 |
| 44 | Evaluation of integrin $\alpha_6\beta_4$ cystine knot PET tracers to detect cancer and idiopathic pulmonary fibrosis. <i>Nature Communications</i> , 2019, 10, 4673. | 5.8 | 73 |
| 45 | Engineering of a novel subnanomolar affinity fibronectin III domain binder targeting human programmed death-ligand 1. <i>Protein Engineering, Design and Selection</i> , 2019, 32, 231-240. | 1.0 | 6 |
| 46 | Simultaneous transrectal ultrasound and photoacoustic human prostate imaging. <i>Science Translational Medicine</i> , 2019, 11, . | 5.8 | 87 |
| 47 | Microvesicle-Mediated Delivery of Minicircle DNA Results in Effective Gene-Directed Enzyme Prodrug Cancer Therapy. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 2331-2342. | 1.9 | 54 |
| 48 | Photoacoustic clinical imaging. <i>Photoacoustics</i> , 2019, 14, 77-98. | 4.4 | 368 |
| 49 | Engineered immune cells as highly sensitive cancer diagnostics. <i>Nature Biotechnology</i> , 2019, 37, 531-539. | 9.4 | 101 |
| 50 | In Vivo Translation of the CIRPI System: Revealing Molecular Pathology of Rabbit Aortic Atherosclerotic Plaques. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1308-1316. | 2.8 | 2 |
| 51 | Detection of Premalignant Gastrointestinal Lesions Using Surface-Enhanced Resonance Raman Scattering "Nanoparticle Endoscopy. <i>ACS Nano</i> , 2019, 13, 1354-1364. | 7.3 | 40 |
| 52 | A Novel Engineered Small Protein for Positron Emission Tomography Imaging of Human Programmed Death Ligand-1: Validation in Mouse Models and Human Cancer Tissues. <i>Clinical Cancer Research</i> , 2019, 25, 1774-1785. | 3.2 | 30 |
| 53 | Detection of visually occult metastatic lymph nodes using molecularly targeted fluorescent imaging during surgical resection of pancreatic cancer. <i>Hpb</i> , 2019, 21, 883-890. | 0.1 | 28 |
| 54 | Nanomedicine for Spontaneous Brain Tumors: A Companion Clinical Trial. <i>ACS Nano</i> , 2019, 13, 2858-2869. | 7.3 | 41 |

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|----|---|------|-----------|
| 55 | Intraoperative Pancreatic Cancer Detection using Tumor-Specific Multimodality Molecular Imaging. <i>Annals of Surgical Oncology</i> , 2018, 25, 1880-1888. | 0.7 | 127 |
| 56 | Molecular imaging agents for ultrasound. <i>Current Opinion in Chemical Biology</i> , 2018, 45, 113-120. | 2.8 | 60 |
| 57 | Smartâ€œNanorice for Enhancement of Endogenous Raman Signal, Contrast in Photoacoustic Imaging, and T2â€œShortening in Magnetic Resonance Imaging. <i>Small</i> , 2018, 14, e1703683. | 5.2 | 8 |
| 58 | Intraoperative Molecular Imaging in Lung Cancer: The State of the Art and the Future. <i>Molecular Therapy</i> , 2018, 26, 338-341. | 3.7 | 5 |
| 59 | Eradication of spontaneous malignancy by local immunotherapy. <i>Science Translational Medicine</i> , 2018, 10, . | 5.8 | 289 |
| 60 | Reply: Optimizing Strategies for Immune Checkpoint Imaging with Immuno-PET in Preclinical Study. <i>Journal of Nuclear Medicine</i> , 2018, 59, 711.2-712. | 2.8 | 0 |
| 61 | Development and Preclinical Validation of a Cysteine Knottin Peptide Targeting Integrin $\alpha_5\beta_1$ for Near-infrared Fluorescent-guided Surgery in Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2018, 24, 1667-1676. | 3.2 | 34 |
| 62 | A novel synthesis of ^{18}F -fluoromaltotriose as a PET tracer for imaging bacterial infection. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018, 61, 408-414. | 0.5 | 10 |
| 63 | Thy1-Targeted Microbubbles for Ultrasound Molecular Imaging of Pancreatic Ductal Adenocarcinoma. <i>Clinical Cancer Research</i> , 2018, 24, 1574-1585. | 3.2 | 32 |
| 64 | Deactivated CRISPR Associated Protein 9 for Minor-Allele Enrichment in Cell-Free DNA. <i>Clinical Chemistry</i> , 2018, 64, 307-316. | 1.5 | 30 |
| 65 | Tumor treating fields increases membrane permeability in glioblastoma cells. <i>Cell Death Discovery</i> , 2018, 4, 113. | 2.0 | 79 |
| 66 | Tumor Cell-Derived Extracellular Vesicle-Coated Nanocarriers: An Efficient Theranostic Platform for the Cancer-Specific Delivery of Anti-miR-21 and Imaging Agents. <i>ACS Nano</i> , 2018, 12, 10817-10832. | 7.3 | 170 |
| 67 | Surface-Enhanced Raman Scattering Nanoparticles for Multiplexed Imaging of Bladder Cancer Tissue Permeability and Molecular Phenotype. <i>ACS Nano</i> , 2018, 12, 9669-9679. | 7.3 | 81 |
| 68 | Role of Imaging in Early-Phase Trials. , 2018, , 129-149. | | 1 |
| 69 | The Immunoimaging Toolbox. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1174-1182. | 2.8 | 68 |
| 70 | An intravascular magnetic wire for the high-throughput retrieval of circulating tumour cells in vivo. <i>Nature Biomedical Engineering</i> , 2018, 2, 696-705. | 11.6 | 92 |
| 71 | Advances in Diagnostic and Intraoperative Molecular Imaging of Pancreatic Cancer. <i>Pancreas</i> , 2018, 47, 675-689. | 0.5 | 37 |
| 72 | Emerging Intraoperative Imaging Modalities to Improve Surgical Precision. <i>Molecular Imaging and Biology</i> , 2018, 20, 705-715. | 1.3 | 61 |

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|----|--|------|-----------|
| 73 | A Dual-Modality Hybrid Imaging System Harnesses Radioluminescence and Sound to Reveal Molecular Pathology of Atherosclerotic Plaques. <i>Scientific Reports</i> , 2018, 8, 8992. | 1.6 | 8 |
| 74 | Imaging activated T cells predicts response to cancer vaccines. <i>Journal of Clinical Investigation</i> , 2018, 128, 2569-2580. | 3.9 | 114 |
| 75 | Tumor characterization by ultrasound-release of multiple protein and microRNA biomarkers, preclinical and clinical evidence. <i>PLoS ONE</i> , 2018, 13, e0194268. | 1.1 | 12 |
| 76 | Reporter gene imaging of targeted T cell immunotherapy in recurrent glioma. <i>Science Translational Medicine</i> , 2017, 9, . | 5.8 | 263 |
| 77 | Cancer diagnostics: On-target probes for early detection. <i>Nature Biomedical Engineering</i> , 2017, 1, . | 11.6 | 8 |
| 78 | Towards clinically translatable in vivo nanodiagnostics. <i>Nature Reviews Materials</i> , 2017, 2, . | 23.3 | 255 |
| 79 | Regulatory Aspects of Optical Methods and Exogenous Targets for Cancer Detection. <i>Cancer Research</i> , 2017, 77, 2197-2206. | 0.4 | 74 |
| 80 | Biodistribution and Radiation Dosimetry of ^{18}F -FTC-146 in Humans. <i>Journal of Nuclear Medicine</i> , 2017, 58, 2004-2009. | 2.8 | 34 |
| 81 | Radiosynthesis and First-In-Human PET/MRI Evaluation with Clinical-Grade ^{18}F FTC-146. <i>Molecular Imaging and Biology</i> , 2017, 19, 779-786. | 1.3 | 25 |
| 82 | Multigene profiling of single circulating tumor cells. <i>Molecular and Cellular Oncology</i> , 2017, 4, e1289295. | 0.3 | 1 |
| 83 | Practical Immuno-PET Radiotracer Design Considerations for Human Immune Checkpoint Imaging. <i>Journal of Nuclear Medicine</i> , 2017, 58, 538-546. | 2.8 | 102 |
| 84 | The Exosome Total Isolation Chip. <i>ACS Nano</i> , 2017, 11, 10712-10723. | 7.3 | 275 |
| 85 | Longitudinal Monitoring of Antibody Responses against Tumor Cells Using Magneto-nanosensors with a Nanoliter of Blood. <i>Nano Letters</i> , 2017, 17, 6644-6652. | 4.5 | 13 |
| 86 | Capture and Genetic Analysis of Circulating Tumor Cells Using a Magnetic Separation Device (Magnetic Sifter). <i>Methods in Molecular Biology</i> , 2017, 1634, 153-162. | 0.4 | 1 |
| 87 | Engineering Intracellularly Retained Gaussia Luciferase Reporters for Improved Biosensing and Molecular Imaging Applications. <i>ACS Chemical Biology</i> , 2017, 12, 2345-2353. | 1.6 | 13 |
| 88 | Imaging B Cells in a Mouse Model of Multiple Sclerosis Using ^{64}Cu -Rituximab PET. <i>Journal of Nuclear Medicine</i> , 2017, 58, 1845-1851. | 2.8 | 35 |
| 89 | Synergistic inhibition of glioma cell proliferation by Withaferin A and tumor treating fields. <i>Journal of Neuro-Oncology</i> , 2017, 134, 259-268. | 1.4 | 25 |
| 90 | Withaferin A and its potential role in glioblastoma (GBM). <i>Journal of Neuro-Oncology</i> , 2017, 131, 201-211. | 1.4 | 20 |

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|-----|--|-----|-----------|
| 91 | [¹⁸ F]GE-180 PET Detects Reduced Microglia Activation After LM11A-31 Therapy in a Mouse Model of Alzheimer's Disease. <i>Theranostics</i> , 2017, 7, 1422-1436. | 4.6 | 64 |
| 92 | A First Report on [¹⁸ F]FPRGD ₂ PET/CT Imaging in Multiple Myeloma. <i>Contrast Media and Molecular Imaging</i> , 2017, 2017, 1-7. | 0.4 | 4 |
| 93 | Visualizing Nerve Injury in a Neuropathic Pain Model with [¹⁸ F]FTC-146 PET/MRI. <i>Theranostics</i> , 2017, 7, 2794-2805. | 4.6 | 46 |
| 94 | Ultrasound Molecular Imaging With BR55 in Patients With Breast and Ovarian Lesions: First-in-Human Results. <i>Journal of Clinical Oncology</i> , 2017, 35, 2133-2140. | 0.8 | 178 |
| 95 | Quantitative photoacoustic image reconstruction improves accuracy in deep tissue structures. <i>Biomedical Optics Express</i> , 2016, 7, 3811. | 1.5 | 17 |
| 96 | Protein biomarkers on tissue as imaged via MALDI mass spectrometry: A systematic approach to study the limits of detection. <i>Proteomics</i> , 2016, 16, 1660-1669. | 1.3 | 12 |
| 97 | Molecular profiling of single circulating tumor cells from lung cancer patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E8379-E8386. | 3.3 | 90 |
| 98 | A Clinical Wide-Field Fluorescence Endoscopic Device for Molecular Imaging Demonstrating Cathepsin Protease Activity in Colon Cancer. <i>Molecular Imaging and Biology</i> , 2016, 18, 820-829. | 1.3 | 27 |
| 99 | A transgenic mouse model expressing an ER \pm folding biosensor reveals the effects of Bisphenol A on estrogen receptor signaling. <i>Scientific Reports</i> , 2016, 6, 34788. | 1.6 | 17 |
| 100 | Clinically Approved Nanoparticle Imaging Agents. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1833-1837. | 2.8 | 181 |
| 101 | Multimodality Molecular Imaging of Cardiac Cell Transplantation: Part I. Reporter Gene Design, Characterization, and Optical in Vivo Imaging of Bone Marrow Stromal Cells after Myocardial Infarction. <i>Radiology</i> , 2016, 280, 815-825. | 3.6 | 12 |
| 102 | Multimodality Molecular Imaging of Cardiac Cell Transplantation: Part II. In Vivo Imaging of Bone Marrow Stromal Cells in Swine with PET/CT and MR Imaging. <i>Radiology</i> , 2016, 280, 826-836. | 3.6 | 12 |
| 103 | Characterization of Physiologic ¹⁸ F FSPG Uptake in Healthy Volunteers. <i>Radiology</i> , 2016, 279, 898-905. | 3.6 | 15 |
| 104 | AshwaMAX and Withaferin A inhibits gliomas in cellular and murine orthotopic models. <i>Journal of Neuro-Oncology</i> , 2016, 126, 253-264. | 1.4 | 34 |
| 105 | [¹⁸ F]FPRGD ₂ PET/CT imaging of integrin α _{vβ₃ levels in patients with locally advanced rectal carcinoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i>, 2016, 43, 654-662.} | 3.3 | 16 |
| 106 | Pilot Preclinical and Clinical Evaluation of (4S)-4-(3-[¹⁸ F]Fluoropropyl)-L-Glutamate (18F-FSPG) for PET/CT Imaging of Intracranial Malignancies. <i>PLoS ONE</i> , 2016, 11, e0148628. | 1.1 | 51 |
| 107 | Comparison of Deconvolution Filters for Photoacoustic Tomography. <i>PLoS ONE</i> , 2016, 11, e0152597. | 1.1 | 30 |
| 108 | Further validation to support clinical translation of [¹⁸ F]FTC-146 for imaging sigma-1 receptors. <i>EJNMMI Research</i> , 2015, 5, 49. | 1.1 | 23 |

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|-----|---|------|-----------|
| 109 | Diketopyrrolopyrrole-Based Semiconducting Polymer Nanoparticles for In Vivo Photoacoustic Imaging. <i>Advanced Materials</i> , 2015, 27, 5184-5190. | 11.1 | 305 |
| 110 | Theranostic Mesoporous Silica Nanoparticles Biodegrade after Pro-Survival Drug Delivery and Ultrasound/Magnetic Resonance Imaging of Stem Cells. <i>Theranostics</i> , 2015, 5, 631-642. | 4.6 | 172 |
| 111 | A Magnetic Bead-Based Sensor for the Quantification of Multiple Prostate Cancer Biomarkers. <i>PLoS ONE</i> , 2015, 10, e0139484. | 1.1 | 15 |
| 112 | ¹⁸ F-FPRGD2 PET/CT Imaging of Integrin $\alpha_5\beta_3$ in Renal Carcinomas: Correlation with Histopathology. <i>Journal of Nuclear Medicine</i> , 2015, 56, 361-364. | 2.8 | 31 |
| 113 | Sol-Gel Synthesis and Electrospraying of Biodegradable (P ₂ O ₅) ₅₅ -(CaO) ₃₀ -(Na ₂ O) ₁₅ Class Nanospheres as a Transient Contrast Agent for Ultrasound Stem Cell Imaging. <i>ACS Nano</i> , 2015, 9, 1868-1877. | 7.3 | 55 |
| 114 | Development of Appropriate Imaging Methods to Trace Cell Fate, Engraftment, and Cell Survival. , 2015, , 529-537. | | 0 |
| 115 | Detecting cancers through tumor-activatable minicircles that lead to a detectable blood biomarker. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3068-3073. | 3.3 | 46 |
| 116 | Androgen Receptor Splice Variants Dimerize to Transactivate Target Genes. <i>Cancer Research</i> , 2015, 75, 3663-3671. | 0.4 | 158 |
| 117 | Multitarget, quantitative nanoplasmonic electrical field-enhanced resonating device (NE Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 States of America, 2015, 112, E4354-63. | 3.3 | 56 |
| 118 | A Systematic Comparison of ¹⁸ F-C-SNAT to Established Radiotracer Imaging Agents for the Detection of Tumor Response to Treatment. <i>Clinical Cancer Research</i> , 2015, 21, 3896-3905. | 3.2 | 48 |
| 119 | PET Imaging of Translocator Protein (18 kDa) in a Mouse Model of Alzheimer's Disease Using ¹⁸ F-Fluoro-(2,5-Dimethoxybenzyl)-2-(2-Phenoxyphenyl)Acetamide. <i>Journal of Nuclear Medicine</i> , 2015, 56, 311-316. | 2.8 | 47 |
| 120 | Synthesis of [¹⁸ F]-labelled Maltose Derivatives as PET Tracers for Imaging Bacterial Infection. <i>Molecular Imaging and Biology</i> , 2015, 17, 168-176. | 1.3 | 31 |
| 121 | ¹⁸ F-FAZA PET Imaging Response Tracks the Reoxygenation of Tumors in Mice upon Treatment with the Mitochondrial Complex I Inhibitor BAY 87-2243. <i>Clinical Cancer Research</i> , 2015, 21, 335-346. | 3.2 | 24 |
| 122 | Development and Validation of an Immuno-PET Tracer as a Companion Diagnostic Agent for Antibody-Drug Conjugate Therapy to Target the CA6 Epitope. <i>Radiology</i> , 2015, 276, 191-198. | 3.6 | 20 |
| 123 | Detection of Osseous Metastasis by ¹⁸ F-NaF/ ¹⁸ F-FDG PET/CT Versus CT Alone. <i>Clinical Nuclear Medicine</i> , 2015, 40, e173-e177. | 0.7 | 21 |
| 124 | ¹⁸ F-FPRGD2 PET/CT imaging of musculoskeletal disorders. <i>Annals of Nuclear Medicine</i> , 2015, 29, 839-847. | 1.2 | 10 |
| 125 | Multiscale Framework for Imaging Radiolabeled Therapeutics. <i>Molecular Pharmaceutics</i> , 2015, 12, 4554-4560. | 2.3 | 14 |
| 126 | Novel Radiotracer for ImmunoPET Imaging of PD-1 Checkpoint Expression on Tumor Infiltrating Lymphocytes. <i>Bioconjugate Chemistry</i> , 2015, 26, 2062-2069. | 1.8 | 139 |

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|-----|--|------|-----------|
| 127 | Photoacoustic Tomography Detects Early Vessel Regression and Normalization During Ovarian Tumor Response to the Antiangiogenic Therapy Trebananib. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1942-1947. | 2.8 | 72 |
| 128 | Engineering high-affinity PD-1 variants for optimized immunotherapy and immuno-PET imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6506-14. | 3.3 | 299 |
| 129 | A correlative optical microscopy and scanning electron microscopy approach to locating nanoparticles in brain tumors. <i>Micron</i> , 2015, 68, 70-76. | 1.1 | 27 |
| 130 | Optical coherence contrast imaging using gold nanorods in living mice eyes. <i>Clinical and Experimental Ophthalmology</i> , 2015, 43, 358-366. | 1.3 | 60 |
| 131 | A Real-Time Clinical Endoscopic System for Intraluminal, Multiplexed Imaging of Surface-Enhanced Raman Scattering Nanoparticles. <i>PLoS ONE</i> , 2015, 10, e0123185. | 1.1 | 106 |
| 132 | Predictive Modeling of Drug Response in Non-Hodgkin's Lymphoma. <i>PLoS ONE</i> , 2015, 10, e0129433. | 1.1 | 24 |
| 133 | Cellulose nanoparticles: photoacoustic contrast agents that biodegrade to simple sugars. <i>Proceedings of SPIE</i> , 2014, , . | 0.8 | 1 |
| 134 | Photoacoustic imaging of mesenchymal stem cells in living mice via silica-coated gold nanorods. <i>Proceedings of SPIE</i> , 2014, , . | 0.8 | 0 |
| 135 | Gold nanorods combine photoacoustic and Raman imaging for detection and treatment of ovarian cancer. , 2014, , . | | 1 |
| 136 | Circulating Tumor Microemboli Diagnostics for Patients with Non-Small-Cell Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2014, 9, 1111-1119. | 0.5 | 61 |
| 137 | Cerenkov Luminescence Endoscopy: Improved Molecular Sensitivity with β -Emitting Radiotracers. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1905-1909. | 2.8 | 39 |
| 138 | A simple model for deep tissue attenuation correction and large organ analysis of Cerenkov luminescence imaging. <i>Proceedings of SPIE</i> , 2014, , . | 0.8 | 0 |
| 139 | Endoscopic molecular imaging of human bladder cancer using a CD47 antibody. <i>Science Translational Medicine</i> , 2014, 6, 260ra148. | 5.8 | 124 |
| 140 | Imaging of hepatocellular carcinoma patient-derived xenografts using ^{89}Zr -labeled anti-glypican-3 monoclonal antibody. <i>Biomaterials</i> , 2014, 35, 6964-6971. | 5.7 | 39 |
| 141 | Semiconducting polymer nanoparticles as photoacoustic molecular imaging probes in living mice. <i>Nature Nanotechnology</i> , 2014, 9, 233-239. | 15.6 | 1,057 |
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