

Sanjiv S Gambhir

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.

415
papers

36,519
citations

97
h-index

177
g-index

427
ext. papers

40,536
ext. citations

10.8
avg, IF

7.38
L-index

#	Paper	IF	Citations
415	Nuclear Imaging of Endogenous Markers of Lymphocyte Response 2022 , 15-59		
414	Design and evaluation of Raman reporters for the Raman-silent region.. <i>Nanotheranostics</i> , 2022 , 6, 1-9	5.6	2
413	Early detection of cancer.. <i>Science</i> , 2022 , 375, eaay9040	33.3	27
412	Noninvasive and Highly Multiplexed Five-Color Tumor Imaging of Multicore Near-Infrared Resonant Surface-Enhanced Raman Nanoparticles. <i>ACS Nano</i> , 2021 ,	16.7	3
411	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,	11.5	8
410	Continuous health monitoring: An opportunity for precision health. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	11
409	Multiparametric Photoacoustic Analysis of Human Thyroid Cancers. <i>Cancer Research</i> , 2021 , 81, 4849-4860	10.1	20
408	Molecular Imaging of Chimeric Antigen Receptor T Cells by ICOS-ImmunoPET. <i>Clinical Cancer Research</i> , 2021 , 27, 1058-1068	12.9	21
407	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	11.8	4
406	Tumor treating fields (TTFields) impairs aberrant glycolysis in glioblastoma as evaluated by [F]DASA-23, a non-invasive probe of pyruvate kinase M2 (PKM2) expression. <i>Neoplasia</i> , 2021 , 23, 58-67	6.4	3
405	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	5.5	2
404	A mathematical model of tumor regression and recurrence after therapeutic oncogene inactivation. <i>Scientific Reports</i> , 2021 , 11, 1341	4.9	2
403	Multiplexed Raman Imaging in Tissues and Living Organisms. <i>Methods in Molecular Biology</i> , 2021 , 2350, 331-340	1.4	
402	A miniaturized optoelectronic biosensor for real-time point-of-care total protein analysis. <i>MethodsX</i> , 2021 , 8, 101414	1.9	1
401	Minicircles for a two-step blood biomarker and PET imaging early cancer detection strategy. <i>Journal of Controlled Release</i> , 2021 , 335, 281-289	11.7	4
400	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,	6.6	2
399	Whole-body PET Imaging of T-cell Response to Glioblastoma. <i>Clinical Cancer Research</i> , 2021 , 27, 6445-6456	5.9	2

398	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	2.5	
397	PET Imaging of TIGIT Expression on Tumor-Infiltrating Lymphocytes. <i>Clinical Cancer Research</i> , 2021 , 27, 1932-1940	12.9	8
396	Intravital imaging reveals synergistic effect of CAR T-cells and radiation therapy in a preclinical immunocompetent glioblastoma model. <i>Oncotmunology</i> , 2020 , 9, 1757360	7.2	18
395	PET Imaging of the Natural Killer Cell Activation Receptor NKp30. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 1348-1354	8.9	11
394	Integrating genomic features for non-invasive early lung cancer detection. <i>Nature</i> , 2020 , 580, 245-251	50.4	147
393	A mountable toilet system for personalized health monitoring via the analysis of excreta. <i>Nature Biomedical Engineering</i> , 2020 , 4, 624-635	19	59
392	New synthesis of 6?-[F]fluoromaltotriose for positron emission tomography imaging of bacterial infection. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2020 , 63, 466-475	1.9	0
391	Radiotheranostics: a roadmap for future development. <i>Lancet Oncology, The</i> , 2020 , 21, e146-e156	21.7	59
390	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	16.7	25
389	Non-Invasive Photoacoustic Imaging of In Vivo Mice with Erythrocyte Derived Optical Nanoparticles to Detect CAD/MI. <i>Scientific Reports</i> , 2020 , 10, 5983	4.9	4
388	Initial evaluation of (4S)-4-(3-[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	3.6	2
387	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	10.1	5
386	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	10.1	10
385	Clinical Evaluation of (4S)-4-(3-[F]Fluoropropyl)-L-glutamate (F-FSPG) for PET/CT Imaging in Patients with Newly Diagnosed and Recurrent Prostate Cancer. <i>Clinical Cancer Research</i> , 2020 , 26, 5380-5387	13.9	7
384	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, 1536012120939398	3.7	0
383	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	10.1	7
382	Reduction Triggered Polymerization in Living Mice. <i>Journal of the American Chemical Society</i> , 2020 , 142, 15575-15584	16.4	15
381	Simultaneous PET/MRI in the Evaluation of Breast and Prostate Cancer Using Combined Na[F] F and [F]FDG: a Focus on Skeletal Lesions. <i>Molecular Imaging and Biology</i> , 2020 , 22, 397-406	3.8	10

380	Evaluation of Glycolytic Response to Multiple Classes of Anti-glioblastoma Drugs by Noninvasive Measurement of Pyruvate Kinase M2 Using [F]DASA-23. <i>Molecular Imaging and Biology</i> , 2020 , 22, 124-133	3.8	8
379	ICOS Is an Indicator of T-cell-Mediated Response to Cancer Immunotherapy. <i>Cancer Research</i> , 2020 , 80, 3023-3032	10.1	36
378	Simultaneous transrectal ultrasound and photoacoustic human prostate imaging. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	45
377	Microvesicle-Mediated Delivery of Minicircle DNA Results in Effective Gene-Directed Enzyme Prodrug Cancer Therapy. <i>Molecular Cancer Therapeutics</i> , 2019 , 18, 2331-2342	6.1	30
376	Photoacoustic clinical imaging. <i>Photoacoustics</i> , 2019 , 14, 77-98	9	194
375	Engineered immune cells as highly sensitive cancer diagnostics. <i>Nature Biotechnology</i> , 2019 , 37, 531-539	44.5	59
374	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	8.9	2
373	Continuous-Wave Coherent Raman Spectroscopy via Plasmonic Enhancement. <i>Scientific Reports</i> , 2019 , 9, 12092	4.9	9
372	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	11.7	31
371	Biodegradable fluorescent nanoparticles for endoscopic detection of colorectal carcinogenesis. <i>Advanced Functional Materials</i> , 2019 , 29, 1904992	15.6	11
370	Evaluation of integrin α 5 β 1 cystine knot PET tracers to detect cancer and idiopathic pulmonary fibrosis. <i>Nature Communications</i> , 2019 , 10, 4673	17.4	39
369	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	1.9	5
368	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	3.8	15
367	Nanomedicine for Spontaneous Brain Tumors: A Companion Clinical Trial. <i>ACS Nano</i> , 2019 , 13, 2858-2869	16.7	30
366	Assessment of Tumor Redox Status through α -4-(3-[F]fluoropropyl)-L-Glutamic Acid PET Imaging of System x Activity. <i>Cancer Research</i> , 2019 , 79, 853-863	10.1	25
365	Detection of Premalignant Gastrointestinal Lesions Using Surface-Enhanced Resonance Raman Scattering-Nanoparticle Endoscopy. <i>ACS Nano</i> , 2019 , 13, 1354-1364	16.7	25
364	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	12.9	19
363	Intraoperative Pancreatic Cancer Detection using Tumor-Specific Multimodality Molecular Imaging. <i>Annals of Surgical Oncology</i> , 2018 , 25, 1880-1888	3.1	83

362	Molecular imaging agents for ultrasound. <i>Current Opinion in Chemical Biology</i> , 2018 , 45, 113-120	9.7	40
361	Smart-Dust-Nanorice for Enhancement of Endogenous Raman Signal, Contrast in Photoacoustic Imaging, and T2-Shortening in Magnetic Resonance Imaging. <i>Small</i> , 2018 , 14, e1703683	11	6
360	Intraoperative Molecular Imaging in Lung Cancer: The State of the Art and the Future. <i>Molecular Therapy</i> , 2018 , 26, 338-341	11.7	3
359	Eradication of spontaneous malignancy by local immunotherapy. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	212
358	Reply: Optimizing Strategies for Immune Checkpoint Imaging with Immuno-PET in Preclinical Study. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 711-712	8.9	
357	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	12.9	27
356	A novel synthesis of ^{68}Ga [F]-fluoromaltotriose as a PET tracer for imaging bacterial infection. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018 , 61, 408-414	1.9	6
355	Thy1-Targeted Microbubbles for Ultrasound Molecular Imaging of Pancreatic Ductal Adenocarcinoma. <i>Clinical Cancer Research</i> , 2018 , 24, 1574-1585	12.9	21
354	Deactivated CRISPR Associated Protein 9 for Minor-Allele Enrichment in Cell-Free DNA. <i>Clinical Chemistry</i> , 2018 , 64, 307-316	5.5	19
353	An intravascular magnetic wire for the high-throughput retrieval of circulating tumour cells in vivo. <i>Nature Biomedical Engineering</i> , 2018 , 2, 696-705	19	59
352	Advances in Diagnostic and Intraoperative Molecular Imaging of Pancreatic Cancer. <i>Pancreas</i> , 2018 , 47, 675-689	2.6	22
351	Emerging Intraoperative Imaging Modalities to Improve Surgical Precision. <i>Molecular Imaging and Biology</i> , 2018 , 20, 705-715	3.8	39
350	A Dual-Modality Hybrid Imaging System Harnesses Radioluminescence and Sound to Reveal Molecular Pathology of Atherosclerotic Plaques. <i>Scientific Reports</i> , 2018 , 8, 8992	4.9	7
349	Imaging activated T cells predicts response to cancer vaccines. <i>Journal of Clinical Investigation</i> , 2018 , 128, 2569-2580	15.9	74
348	Tumor characterization by ultrasound-release of multiple protein and microRNA biomarkers, preclinical and clinical evidence. <i>PLoS ONE</i> , 2018 , 13, e0194268	3.7	8
347	Tumor treating fields increases membrane permeability in glioblastoma cells. <i>Cell Death Discovery</i> , 2018 , 4, 113	6.9	33
346	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	16.7	104
345	Surface-Enhanced Raman Scattering Nanoparticles for Multiplexed Imaging of Bladder Cancer Tissue Permeability and Molecular Phenotype. <i>ACS Nano</i> , 2018 , 12, 9669-9679	16.7	49

344	Role of Imaging in Early-Phase Trials 2018 , 129-149		1
343	The Immunoimaging Toolbox. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 1174-1182	8.9	52
342	Reporter gene imaging of targeted T cell immunotherapy in recurrent glioma. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	196
341	Towards clinically translatable nanodiagnosics. <i>Nature Reviews Materials</i> , 2017 , 2,	73.3	178
340	Regulatory Aspects of Optical Methods and Exogenous Targets for Cancer Detection. <i>Cancer Research</i> , 2017 , 77, 2197-2206	10.1	52
339	Biodistribution and Radiation Dosimetry of F-FTC-146 in Humans. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 2004-2009	8.9	25
338	Radiosynthesis and First-In-Human PET/MRI Evaluation with Clinical-Grade [F]FTC-146. <i>Molecular Imaging and Biology</i> , 2017 , 19, 779-786	3.8	17
337	Multigene profiling of single circulating tumor cells. <i>Molecular and Cellular Oncology</i> , 2017 , 4, e1289295	1.2	
336	Practical Immuno-PET Radiotracer Design Considerations for Human Immune Checkpoint Imaging. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 538-546	8.9	86
335	The Exosome Total Isolation Chip. <i>ACS Nano</i> , 2017 , 11, 10712-10723	16.7	173
334	Longitudinal Monitoring of Antibody Responses against Tumor Cells Using Magneto-nanosensors with a Nanoliter of Blood. <i>Nano Letters</i> , 2017 , 17, 6644-6652	11.5	11
333	A First Report on [F]FPRGD PET/CT Imaging in Multiple Myeloma. <i>Contrast Media and Molecular Imaging</i> , 2017 , 2017, 6162845	3.2	2
332	Visualizing Nerve Injury in a Neuropathic Pain Model with [F]FTC-146 PET/MRI. <i>Theranostics</i> , 2017 , 7, 2794-2805	12.1	29
331	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	2.2	127
330	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	1.4	1
329	Engineering Intracellularly Retained Gaussia Luciferase Reporters for Improved Biosensing and Molecular Imaging Applications. <i>ACS Chemical Biology</i> , 2017 , 12, 2345-2353	4.9	5
328	Imaging B Cells in a Mouse Model of Multiple Sclerosis Using Cu-Rituximab PET. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 1845-1851	8.9	26
327	Synergistic inhibition of glioma cell proliferation by Withaferin A and tumor treating fields. <i>Journal of Neuro-Oncology</i> , 2017 , 134, 259-268	4.8	16

326	Withaferin A and its potential role in glioblastoma (GBM). <i>Journal of Neuro-Oncology</i> , 2017 , 131, 201-211	4.8	15
325	[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	12.1	44
324	A transgenic mouse model expressing an ER α folding biosensor reveals the effects of Bisphenol A on estrogen receptor signaling. <i>Scientific Reports</i> , 2016 , 6, 34788	4.9	14
323	Clinically Approved Nanoparticle Imaging Agents. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 1833-1837	8.9	129
322	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, 815-25	20.5	10
321	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, 826-36	20.5	8
320	Characterization of Physiologic (18)F FSPG Uptake in Healthy Volunteers. <i>Radiology</i> , 2016 , 279, 898-905	20.5	11
319	AshwaMAX and Withaferin A inhibits gliomas in cellular and murine orthotopic models. <i>Journal of Neuro-Oncology</i> , 2016 , 126, 253-64	4.8	24
318	[(18)F]FPRGD2 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, 654-62}	8.8	15
317	Pilot Preclinical and Clinical Evaluation of (4S)-4-(3-[18F]Fluoropropyl)-L-Glutamate (18F-FSPG) for PET/CT Imaging of Intracranial Malignancies. <i>PLoS ONE</i> , 2016 , 11, e0148628	3.7	40
316	Comparison of Deconvolution Filters for Photoacoustic Tomography. <i>PLoS ONE</i> , 2016 , 11, e0152597	3.7	22
315	Quantitative photoacoustic image reconstruction improves accuracy in deep tissue structures. <i>Biomedical Optics Express</i> , 2016 , 7, 3811-3825	3.5	11
314	Protein biomarkers on tissue as imaged via MALDI mass spectrometry: A systematic approach to study the limits of detection. <i>Proteomics</i> , 2016 , 16, 1660-9	4.8	9
313	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	11.5	79
312	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	3.8	17
311	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, 3068-73	11.5	32
310	Androgen Receptor Splice Variants Dimerize to Transactivate Target Genes. <i>Cancer Research</i> , 2015 , 75, 3663-71	10.1	122
309	Multitarget, quantitative nanoplasmonic electrical field-enhanced resonating device (NE2RD) for diagnostics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E4354-63	11.5	49

308	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, 3896-905	12.9	42
307	PET imaging of translocator protein (18 kDa) in a mouse model of Alzheimer's disease using N-(2,5-dimethoxybenzyl)-2- ¹⁸ F-fluoro-N-(2-phenoxyphenyl)acetamide. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 311-6	8.9	36
306	Synthesis of [¹⁸ F]-labelled maltose derivatives as PET tracers for imaging bacterial infection. <i>Molecular Imaging and Biology</i> , 2015 , 17, 168-76	3.8	20
305	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, 335-46	12.9	21
304	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, 191-8	20.5	14
303	Detection of osseous metastasis by ¹⁸ F-NaF/ ¹⁸ F-FDG PET/CT versus CT alone. <i>Clinical Nuclear Medicine</i> , 2015 , 40, e173-7	1.7	19
302	[¹⁸ F]-FPRGD2 PET/CT imaging of musculoskeletal disorders. <i>Annals of Nuclear Medicine</i> , 2015 , 29, 839-47	2.5	9
301	Multiscale Framework for Imaging Radiolabeled Therapeutics. <i>Molecular Pharmaceutics</i> , 2015 , 12, 4554-606	6.0	13
300	Novel Radiotracer for ImmunoPET Imaging of PD-1 Checkpoint Expression on Tumor Infiltrating Lymphocytes. <i>Bioconjugate Chemistry</i> , 2015 , 26, 2062-9	6.3	109
299	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, 1942-7	8.9	57
298	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	11.5	205
297	A correlative optical microscopy and scanning electron microscopy approach to locating nanoparticles in brain tumors. <i>Micron</i> , 2015 , 68, 70-76	2.3	22
296	Optical coherence contrast imaging using gold nanorods in living mice eyes. <i>Clinical and Experimental Ophthalmology</i> , 2015 , 43, 358-66	2.4	53
295	Further validation to support clinical translation of [(18)F]FTC-146 for imaging sigma-1 receptors. <i>EJNMMI Research</i> , 2015 , 5, 49	3.6	17
294	Diketopyrrolopyrrole-Based Semiconducting Polymer Nanoparticles for In Vivo Photoacoustic Imaging. <i>Advanced Materials</i> , 2015 , 27, 5184-90	24	256
293	Theranostic mesoporous silica nanoparticles biodegrade after pro-survival drug delivery and ultrasound/magnetic resonance imaging of stem cells. <i>Theranostics</i> , 2015 , 5, 631-42	12.1	146
292	A Magnetic Bead-Based Sensor for the Quantification of Multiple Prostate Cancer Biomarkers. <i>PLoS ONE</i> , 2015 , 10, e0139484	3.7	10
291	¹⁸ F-FPRGD2 PET/CT imaging of integrin $\alpha_5\beta_1$ in renal carcinomas: correlation with histopathology. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 361-4	8.9	27

290	Sol-gel synthesis and electro spraying of biodegradable (P2O5)55-(CaO)30-(Na2O)15 glass nanospheres as a transient contrast agent for ultrasound stem cell imaging. <i>ACS Nano</i> , 2015 , 9, 1868-1877	16.7	50
289	Development of Appropriate Imaging Methods to Trace Cell Fate, Engraftment, and Cell Survival 2015 , 529-537		
288	A real-time clinical endoscopic system for intraluminal, multiplexed imaging of surface-enhanced Raman scattering nanoparticles. <i>PLoS ONE</i> , 2015 , 10, e0123185	3.7	79
287	Predictive Modeling of Drug Response in Non-Hodgkin's Lymphoma. <i>PLoS ONE</i> , 2015 , 10, e0129433	3.7	22
286	Semiconducting polymer nanoparticles as photoacoustic molecular imaging probes in living mice. <i>Nature Nanotechnology</i> , 2014 , 9, 233-9	28.7	898
285	Antiviral drug ganciclovir is a potent inhibitor of microglial proliferation and neuroinflammation. <i>Journal of Experimental Medicine</i> , 2014 , 211, 189-98	16.6	53
284	Cellulose Nanoparticles are a Biodegradable Photoacoustic Contrast Agent for Use in Living Mice. <i>Photoacoustics</i> , 2014 , 2, 119-127	9	39
283	Tracking cellular and immune therapies in cancer. <i>Advances in Cancer Research</i> , 2014 , 124, 257-96	5.9	24
282	A high-affinity, high-stability photoacoustic agent for imaging gastrin-releasing peptide receptor in prostate cancer. <i>Clinical Cancer Research</i> , 2014 , 20, 3721-9	12.9	32
281	A titratable two-step transcriptional amplification strategy for targeted gene therapy based on ligand-induced intramolecular folding of a mutant human estrogen receptor. <i>Molecular Imaging and Biology</i> , 2014 , 16, 224-34	3.8	6
280	Evaluation of β_1 receptor radioligand 18F-FTC-146 in rats and squirrel monkeys using PET. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 147-53	8.9	33
279	Construction and validation of nano gold tripods for molecular imaging of living subjects. <i>Journal of the American Chemical Society</i> , 2014 , 136, 3560-71	16.4	144
278	Cellulose nanoparticles: photoacoustic contrast agents that biodegrade to simple sugars 2014 ,		1
277	Gold nanorods combine photoacoustic and Raman imaging for detection and treatment of ovarian cancer 2014 ,		1
276	Circulating tumor microemboli diagnostics for patients with non-small-cell lung cancer. <i>Journal of Thoracic Oncology</i> , 2014 , 9, 1111-9	8.9	53
275	Cerenkov luminescence endoscopy: improved molecular sensitivity with β -emitting radiotracers. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 1905-9	8.9	31
274	Endoscopic molecular imaging of human bladder cancer using a CD47 antibody. <i>Science Translational Medicine</i> , 2014 , 6, 260ra148	17.5	92
273	Imaging of hepatocellular carcinoma patient-derived xenografts using ^{90}Zr -labeled anti-glypican-3 monoclonal antibody. <i>Biomaterials</i> , 2014 , 35, 6964-71	15.6	30

272	Endometrial VEGF induces placental sFLT1 and leads to pregnancy complications. <i>Journal of Clinical Investigation</i> , 2014 , 124, 4941-52	15.9	116
271	Activatable oligomerizable imaging agents for photoacoustic imaging of furin-like activity in living subjects. <i>Journal of the American Chemical Society</i> , 2013 , 135, 11015-22	16.4	168
270	Molecular imaging with surface-enhanced Raman spectroscopy nanoparticle reporters. <i>MRS Bulletin</i> , 2013 , 38, 625	3.2	10
269	A brain tumor molecular imaging strategy using a new triple-modality MRI-photoacoustic-Raman nanoparticle 2013 ,		1
268	Noninvasive monitoring of oxidative stress in transplanted mesenchymal stromal cells. <i>JACC: Cardiovascular Imaging</i> , 2013 , 6, 795-802	8.4	24
267	Nanooncology: the future of cancer diagnosis and therapy. <i>Ca-A Cancer Journal for Clinicians</i> , 2013 , 63, 395-418	220.7	384
266	Evaluation of the antitumor effects of rilotumumab by PET imaging in a U-87 MG mouse xenograft model. <i>Nuclear Medicine and Biology</i> , 2013 , 40, 458-63	2.1	8
265	Intracellular aggregation of multimodal silica nanoparticles for ultrasound-guided stem cell implantation. <i>Science Translational Medicine</i> , 2013 , 5, 177ra35	17.5	77
264	¹⁸ F-fluorobenzoate-labeled cystine knot peptides for PET imaging of integrin $\alpha_5\beta_1$. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 1101-5	8.9	42
263	Noninvasive imaging of hypoxia-inducible factor-1 gene therapy for myocardial ischemia. <i>Human Gene Therapy Methods</i> , 2013 , 24, 279-88	4.9	7
262	A c-Myc activation sensor-based high-throughput drug screening identifies an antineoplastic effect of nitazoxanide. <i>Molecular Cancer Therapeutics</i> , 2013 , 12, 1896-905	6.1	30
261	Real-time, continuous, fluorescence sensing in a freely-moving subject with an implanted hybrid VCSEL/CMOS biosensor. <i>Biomedical Optics Express</i> , 2013 , 4, 1332-41	3.5	11
260	High-sensitivity, real-time, ratiometric imaging of surface-enhanced Raman scattering nanoparticles with a clinically translatable Raman endoscope device. <i>Journal of Biomedical Optics</i> , 2013 , 18, 096008	3.5	51
259	Evolution of BRET Biosensors from Live Cell to Tissue-Scale In vivo Imaging. <i>Frontiers in Endocrinology</i> , 2013 , 4, 131	5.7	44
258	An integrated computational/experimental model of lymphoma growth. <i>PLoS Computational Biology</i> , 2013 , 9, e1003008	5	30
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