Sanjiv S Gambhir

List of Publications by Citations

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	Molecular imaging in living subjects: seeing fundamental biological processes in a new light. *Genes and Development*, **2003**, 17, 545-80	12.6	1673
414	Nanoparticle PEGylation for imaging and therapy. *Nanomedicine*, **2011**, 6, 715-28	5.6	1433
413	Carbon nanotubes as photoacoustic molecular imaging agents in living mice. *Nature Nanotechnology*, **2008**, 3, 557-62	28.7	1065
412	Semiconducting polymer nanoparticles as photoacoustic molecular imaging probes in living mice. *Nature Nanotechnology*, **2014**, 9, 233-9	28.7	898
411	Molecular imaging in drug development. *Nature Reviews Drug Discovery*, **2008**, 7, 591-607	64.1	849
410	A brain tumor molecular imaging strategy using a new triple-modality MRI-photoacoustic-Raman nanoparticle. *Nature Medicine*, **2012**, 18, 829-34	50.5	847
409	Peptide-labeled near-infrared quantum dots for imaging tumor vasculature in living subjects. *Nano Letters*, **2006**, 6, 669-76	11.5	836
408	A molecular imaging primer: modalities, imaging agents, and applications. *Physiological Reviews*, **2012**, 92, 897-965	47.9	713
407	Self-illuminating quantum dot conjugates for in vivo imaging. *Nature Biotechnology*, **2006**, 24, 339-43	44.5	676
406	A pilot toxicology study of single-walled carbon nanotubes in a small sample of mice. *Nature Nanotechnology*, **2008**, 3, 216-21	28.7	646
405	Multiplexed imaging of surface enhanced Raman scattering nanotags in living mice using noninvasive Raman spectroscopy. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 13511-6	11.5	575
404	In vivo visualization of embryonic stem cell survival, proliferation, and migration after cardiac delivery. *Circulation*, **2006**, 113, 1005-14	16.7	448
403	Molecular imaging with theranostic nanoparticles. *Accounts of Chemical Research*, **2011**, 44, 1050-60	24.3	401
402	Nanooncology: the future of cancer diagnosis and therapy. *Ca-A Cancer Journal for Clinicians*, **2013**, 63, 395-418	220.7	384
401	Noninvasive cell-tracking methods. *Nature Reviews Clinical Oncology*, **2011**, 8, 677-88	19.4	374
400	Particle size, surface coating, and PEGylation influence the biodistribution of quantum dots in living mice. *Small*, **2009**, 5, 126-34	11	368
399	Dual-function probe for PET and near-infrared fluorescence imaging of tumor vasculature. *Journal of Nuclear Medicine*, **2007**, 48, 1862-70	8.9	353

398	Matrix-insensitive protein assays push the limits of biosensors in medicine. *Nature Medicine*, **2009**, 15, 1327-32	50.5	315
397	Imaging tri-fusion multimodality reporter gene expression in living subjects. *Cancer Research*, **2004**, 64, 1323-30	10.1	315
396	Gold nanorods for ovarian cancer detection with photoacoustic imaging and resection guidance via Raman imaging in living mice. *ACS Nano*, **2012**, 6, 10366-77	16.7	306
395	Noninvasive detection of therapeutic cytolytic T cells with 18F-FHBG PET in a patient with glioma. *Nature Clinical Practice Oncology*, **2009**, 6, 53-8		305
394	Photoacoustic imaging of mesenchymal stem cells in living mice via silica-coated gold nanorods. *ACS Nano*, **2012**, 6, 5920-30	16.7	266
393	US imaging of tumor angiogenesis with microbubbles targeted to vascular endothelial growth factor receptor type 2 in mice. *Radiology*, **2008**, 246, 508-18	20.5	265
392	Molecular imaging of cardiac cell transplantation in living animals using optical bioluminescence and positron emission tomography. *Circulation*, **2003**, 108, 1302-5	16.7	262
391	Diketopyrrolopyrrole-Based Semiconducting Polymer Nanoparticles for In Vivo Photoacoustic Imaging. *Advanced Materials*, **2015**, 27, 5184-90	24	256
390	microPET imaging of glioma integrin {alpha}v{beta}3 expression using (64)Cu-labeled tetrameric RGD peptide. *Journal of Nuclear Medicine*, **2005**, 46, 1707-18	8.9	249
389	Noninvasive optical imaging of firefly luciferase reporter gene expression in skeletal muscles of living mice. *Molecular Therapy*, **2001**, 4, 297-306	11.7	236
388	Quantitative PET imaging of tumor integrin alphavbeta3 expression with 18F-FRGD2. *Journal of Nuclear Medicine*, **2006**, 47, 113-21	8.9	221
387	PET of vascular endothelial growth factor receptor expression. *Journal of Nuclear Medicine*, **2006**, 47, 2048-56	8.9	213
386	Eradication of spontaneous malignancy by local immunotherapy. *Science Translational Medicine*, **2018**, 10,	17.5	212
385	Family of enhanced photoacoustic imaging agents for high-sensitivity and multiplexing studies in living mice. *ACS Nano*, **2012**, 6, 4694-701	16.7	207
384	Engineering high-affinity PD-1 variants for optimized immunotherapy and immuno-PET imaging. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E6506-14	11.5	205
383	Positron emission tomography imaging of adenoviral-mediated transgene expression in liver cancer patients. *Gastroenterology*, **2005**, 128, 1787-95	13.3	198
382	Endothelial cells derived from human iPSCS increase capillary density and improve perfusion in a mouse model of peripheral arterial disease. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, e72-9	9.4	197
381	Quantification of target gene expression by imaging reporter gene expression in living animals. *Nature Medicine*, **2000**, 6, 933-7	50.5	197

380	Reporter gene imaging of targeted T cell immunotherapy in recurrent glioma. *Science Translational Medicine*, **2017**, 9,	17.5	196
379	Photoacoustic clinical imaging. *Photoacoustics*, **2019**, 14, 77-98	9	194
378	Preclinical efficacy of the c-Met inhibitor CE-355621 in a U87 MG mouse xenograft model evaluated by 18F-FDG small-animal PET. *Journal of Nuclear Medicine*, **2008**, 49, 129-134	8.9	191
377	A Raman-based endoscopic strategy for multiplexed molecular imaging. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E2288-97	11.5	188
376	Trafficking mesenchymal stem cell engraftment and differentiation in tumor-bearing mice by bioluminescence imaging. *Stem Cells*, **2009**, 27, 1548-58	5.8	188
375	Transcriptional and functional profiling of human embryonic stem cell-derived cardiomyocytes. *PLoS ONE*, **2008**, 3, e3474	3.7	186
374	Towards clinically translatable nanodiagnostics. *Nature Reviews Materials*, **2017**, 2,	73.3	178
373	How molecular imaging is speeding up antiangiogenic drug development. *Molecular Cancer Therapeutics*, **2006**, 5, 2624-33	6.1	178
372	Dual-targeted contrast agent for US assessment of tumor angiogenesis in vivo. *Radiology*, **2008**, 248, 936-44	20.5	175
371	The Exosome Total Isolation Chip. *ACS Nano*, **2017**, 11, 10712-10723	16.7	173
370	18F-FDG uptake in lung, breast, and colon cancers: molecular biology correlates and disease characterization. *Journal of Nuclear Medicine*, **2009**, 50, 1820-7	8.9	169
369	Differentiation, survival, and function of embryonic stem cell derived endothelial cells for ischemic heart disease. *Circulation*, **2007**, 116, I46-54	16.7	169
368	Activatable oligomerizable imaging agents for photoacoustic imaging of furin-like activity in living subjects. *Journal of the American Chemical Society*, **2013**, 135, 11015-22	16.4	168
367	Colony-stimulating factor 1 receptor (CSF1R) signaling in injured neurons facilitates protection and survival. *Journal of Experimental Medicine*, **2013**, 210, 157-72	16.6	166
366	microPET-based biodistribution of quantum dots in living mice. *Journal of Nuclear Medicine*, **2007**, 48, 1511-8	8.9	165
365	Collagen matrices enhance survival of transplanted cardiomyoblasts and contribute to functional improvement of ischemic rat hearts. *Circulation*, **2006**, 114, I167-73	16.7	164
364	124I-labeled engineered anti-CEA minibodies and diabodies allow high-contrast, antigen-specific small-animal PET imaging of xenografts in athymic mice. *Journal of Nuclear Medicine*, **2003**, 44, 1962-9	8.9	159
363	Mathematical model identifies blood biomarker-based early cancer detection strategies and limitations. *Science Translational Medicine*, **2011**, 3, 109ra116	17.5	155

362	Molecular optical imaging with radioactive probes. *PLoS ONE*, **2010**, 5, e9470	3.7	155
361	PET in oncology: will it replace the other modalities?. *Seminars in Nuclear Medicine*, **1997**, 27, 94-106	5.4	152
360	Visualization of advanced human prostate cancer lesions in living mice by a targeted gene transfer vector and optical imaging. *Nature Medicine*, **2002**, 8, 891-7	50.5	152
359	Targeted microbubbles for imaging tumor angiogenesis: assessment of whole-body biodistribution with dynamic micro-PET in mice. *Radiology*, **2008**, 249, 212-9	20.5	150
358	COMPARISON OF HELICAL COMPUTERIZED TOMOGRAPHY, POSITRON EMISSION TOMOGRAPHY AND MONOCLONAL ANTIBODY SCANS FOR EVALUATION OF LYMPH NODE METASTASES IN PATIENTS WITH PROSTATE SPECIFIC ANTIGEN RELAPSE AFTER TREATMENT FOR LOCALIZED PROSTATE CANCER. *Journal of Urology*, **1999**, 162, 1322-1328	2.5	150
357	Integrating genomic features for non-invasive early lung cancer detection. *Nature*, **2020**, 580, 245-251	50.4	147
356	Theranostic mesoporous silica nanoparticles biodegrade after pro-survival drug delivery and ultrasound/magnetic resonance imaging of stem cells. *Theranostics*, **2015**, 5, 631-42	12.1	146
355	Construction and validation of nano gold tripods for molecular imaging of living subjects. *Journal of the American Chemical Society*, **2014**, 136, 3560-71	16.4	144
354	Optimizing radiolabeled engineered anti-p185HER2 antibody fragments for in vivo imaging. *Cancer Research*, **2005**, 65, 5907-16	10.1	144
353	Bioluminescence resonance energy transfer (BRET) imaging of protein-protein interactions within deep tissues of living subjects. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 12060-5	11.5	142
352	Antiangiogenic cancer therapy: monitoring with molecular US and a clinically translatable contrast agent (BR55). *Radiology*, **2010**, 256, 519-27	20.5	140
351	Molecular imaging: the vision and opportunity for radiology in the future. *Radiology*, **2007**, 244, 39-47	20.5	140
350	Quantum dot imaging for embryonic stem cells. *BMC Biotechnology*, **2007**, 7, 67	3.5	139
349	Tailoring the pharmacokinetics and positron emission tomography imaging properties of anti-carcinoembryonic antigen single-chain Fv-Fc antibody fragments. *Cancer Research*, **2005**, 65, 622-31	10.1	139
348	Positron emission tomography imaging of cardiac reporter gene expression in living rats. *Circulation*, **2002**, 106, 180-3	16.7	136
347	A small animal Raman instrument for rapid, wide-area, spectroscopic imaging. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 12408-13	11.5	133
346	HaloTag protein-mediated site-specific conjugation of bioluminescent proteins to quantum dots. *Angewandte Chemie - International Edition*, **2006**, 45, 4936-40	16.4	133
345	FDG-PET and beyond: molecular breast cancer imaging. *Journal of Clinical Oncology*, **2005**, 23, 1664-73	2.2	131

344	Optical bioluminescence and positron emission tomography imaging of a novel fusion reporter gene in tumor xenografts of living mice. *Cancer Research*, **2003**, 63, 1160-5	10.1	131
343	Quantitative imaging of the T cell antitumor response by positron-emission tomography. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 1232-7	11.5	130
342	Clinically Approved Nanoparticle Imaging Agents. *Journal of Nuclear Medicine*, **2016**, 57, 1833-1837	8.9	129
341	The fate and toxicity of Raman-active silica-gold nanoparticles in mice. *Science Translational Medicine*, **2011**, 3, 79ra33	17.5	128
340	Ultrasound Molecular Imaging With BR55 in Patients With Breast and Ovarian Lesions: First-in-Human Results. *Journal of Clinical Oncology*, **2017**, 35, 2133-2140	2.2	127
339	Targeted contrast-enhanced ultrasound imaging of tumor angiogenesis with contrast microbubbles conjugated to integrin-binding knottin peptides. *Journal of Nuclear Medicine*, **2010**, 51, 433-40	8.9	127
338	Optical imaging of cardiac reporter gene expression in living rats. *Circulation*, **2002**, 105, 1631-4	16.7	127
337	Androgen Receptor Splice Variants Dimerize to Transactivate Target Genes. *Cancer Research*, **2015**, 75, 3663-71	10.1	122
336	Pilot pharmacokinetic and dosimetric studies of (18)F-FPPRGD2: a PET radiopharmaceutical agent for imaging (v)(3) integrin levels. *Radiology*, **2011**, 260, 182-91	20.5	118
335	Endometrial VEGF induces placental sFLT1 and leads to pregnancy complications. *Journal of Clinical Investigation*, **2014**, 124, 4941-52	15.9	116
334	Molecular imaging of drug-modulated protein-protein interactions in living subjects. *Cancer Research*, **2004**, 64, 2113-9	10.1	114
333	Affibody-based nanoprobes for HER2-expressing cell and tumor imaging. *Biomaterials*, **2011**, 32, 2141-8	15.6	113
332	Effects of epigenetic modulation on reporter gene expression: implications for stem cell imaging. *FASEB Journal*, **2006**, 20, 106-8	0.9	112
331	Multimodality imaging of tumor xenografts and metastases in mice with combined small-animal PET, small-animal CT, and bioluminescence imaging. *Journal of Nuclear Medicine*, **2007**, 48, 295-303	8.9	112
330	A novel clinically translatable fluorescent nanoparticle for targeted molecular imaging of tumors in living subjects. *Nano Letters*, **2012**, 12, 281-6	11.5	111
329	Novel Radiotracer for ImmunoPET Imaging of PD-1 Checkpoint Expression on Tumor Infiltrating Lymphocytes. *Bioconjugate Chemistry*, **2015**, 26, 2062-9	6.3	109
328	Embryonic stem cell-derived endothelial cells engraft into the ischemic hindlimb and restore perfusion. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 984-91	9.4	108
327	Affibody-functionalized gold-silica nanoparticles for Raman molecular imaging of the epidermal growth factor receptor. *Small*, **2011**, 7, 625-33	11	107

326	Molecular engineering of a two-step transcription amplification (TSTA) system for transgene delivery in prostate cancer. *Molecular Therapy*, **2002**, 5, 223-32	11.7	107
325	Firefly luciferase enzyme fragment complementation for imaging in cells and living animals. *Analytical Chemistry*, **2005**, 77, 1295-302	7.8	105
324	PET imaging of herpes simplex virus type 1 thymidine kinase (HSV1-tk) or mutant HSV1-sr39tk reporter gene expression in mice and humans using [18F]FHBG. *Nature Protocols*, **2006**, 1, 3069-75	18.8	105
323	Tumor Cell-Derived Extracellular Vesicle-Coated Nanocarriers: An Efficient Theranostic Platform for the Cancer-Specific Delivery of Anti-miR-21 and Imaging Agents. *ACS Nano*, **2018**, 12, 10817-10832	16.7	104
322	Molecular imaging techniques in body imaging. *Radiology*, **2007**, 245, 333-56	20.5	103
321	Integrating noninvasive molecular imaging into molecular medicine: an evolving paradigm. *Trends in Molecular Medicine*, **2007**, 13, 183-91	11.5	98
320	Combinatorial library screening for developing an improved split-firefly luciferase fragment-assisted complementation system for studying protein-protein interactions. *Analytical Chemistry*, **2007**, 79, 2346-53	7.8	97
319	Atorvastatin prevents RhoC isoprenylation, invasion, and metastasis in human melanoma cells. *Molecular Cancer Therapeutics*, **2003**, 2, 941-8	6.1	97
318	Seeing is believing: non-invasive, quantitative and repetitive imaging of reporter gene expression in living animals, using positron emission tomography. *Journal of Neuroscience Research*, **2000**, 59, 699-705	4.4	96
317	Glia-dependent TGF-beta signaling, acting independently of the TH17 pathway, is critical for initiation of murine autoimmune encephalomyelitis. *Journal of Clinical Investigation*, **2007**, 117, 3306-15	15.9	96
316	Exploratory clinical trial of (4S)-4-(3-[18F]fluoropropyl)-L-glutamate for imaging xC- transporter using positron emission tomography in patients with non-small cell lung or breast cancer. *Clinical Cancer Research*, **2012**, 18, 5427-37	12.9	95
315	Imaging progress of herpes simplex virus type 1 thymidine kinase suicide gene therapy in living subjects with positron emission tomography. *Cancer Gene Therapy*, **2005**, 12, 329-39	5.4	95
314	Treatment of metastatic melanoma with an orally available inhibitor of the Ras-Raf-MAPK cascade. *Cancer Research*, **2003**, 63, 5669-73	10.1	95
313	Covalent disulfide-linked anti-CEA diabody allows site-specific conjugation and radiolabeling for tumor targeting applications. *Protein Engineering, Design and Selection*, **2004**, 17, 21-7	1.9	94
312	Adenoviral human BCL-2 transgene expression attenuates early donor cell death after cardiomyoblast transplantation into ischemic rat hearts. *Circulation*, **2006**, 114, I174-80	16.7	93
311	Endoscopic molecular imaging of human bladder cancer using a CD47 antibody. *Science Translational Medicine*, **2014**, 6, 260ra148	17.5	92
310	Towards in vivo nuclear microscopy: iodine-125 imaging in mice using micro-pinholes. *European Journal of Nuclear Medicine and Molecular Imaging*, **2002**, 29, 933-8	8.8	92
309	Advanced contrast nanoagents for photoacoustic molecular imaging, cytometry, blood test and photothermal theranostics. *Contrast Media and Molecular Imaging*, **2011**, 6, 346-69	3.2	91

308	Functional and transcriptional characterization of human embryonic stem cell-derived endothelial cells for treatment of myocardial infarction. *PLoS ONE*, **2009**, 4, e8443	3.7	91
307	Intraoperative imaging of tumors using Cerenkov luminescence endoscopy: a feasibility experimental study. *Journal of Nuclear Medicine*, **2012**, 53, 1579-84	8.9	91
306	Microfluidic single-cell analysis shows that porcine induced pluripotent stem cell-derived endothelial cells improve myocardial function by paracrine activation. *Circulation Research*, **2012**, 111, 882-93	15.7	90
305	Molecular imaging of the kinetics of vascular endothelial growth factor gene expression in ischemic myocardium. *Circulation*, **2004**, 110, 685-91	16.7	90
304	Positron-emission tomography reporter gene expression imaging in rat myocardium. *Circulation*, **2003**, 107, 326-32	16.7	89
303	PET imaging of colorectal cancer in xenograft-bearing mice by use of an 18F-labeled T84.66 anti-carcinoembryonic antigen diabody. *Journal of Nuclear Medicine*, **2007**, 48, 304-10	8.9	89
302	Creating self-illuminating quantum dot conjugates. *Nature Protocols*, **2006**, 1, 1160-4	18.8	87
301	Comparison of [18F]FHBG and [14C]FIAU for imaging of HSV1-tk reporter gene expression: adenoviral infection vs stable transfection. *European Journal of Nuclear Medicine and Molecular Imaging*, **2003**, 30, 1547-60	8.8	87
300	Practical Immuno-PET Radiotracer Design Considerations for Human Immune Checkpoint Imaging. *Journal of Nuclear Medicine*, **2017**, 58, 538-546	8.9	86
299	An intramolecular folding sensor for imaging estrogen receptor-ligand interactions. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 15883-8	11.5	86
298	Noninvasive, repetitive, quantitative measurement of gene expression from a bicistronic message by positron emission tomography, following gene transfer with adenovirus. *Molecular Therapy*, **2002**, 6, 73-82	11.7	86
297	Intraoperative Pancreatic Cancer Detection using Tumor-Specific Multimodality Molecular Imaging. *Annals of Surgical Oncology*, **2018**, 25, 1880-1888	3.1	83
296	Pharmacokinetically stabilized cystine knot peptides that bind alpha-v-beta-6 integrin with single-digit nanomolar affinities for detection of pancreatic cancer. *Clinical Cancer Research*, **2012**, 18, 839-49	12.9	83
295	Comparison of optical bioluminescence reporter gene and superparamagnetic iron oxide MR contrast agent as cell markers for noninvasive imaging of cardiac cell transplantation. *Molecular Imaging and Biology*, **2009**, 11, 178-87	3.8	80
294	Visualizing implanted tumors in mice with magnetic resonance imaging using magnetotactic bacteria. *Clinical Cancer Research*, **2009**, 15, 5170-7	12.9	80
293	Reproducibility of 18F-FDG microPET studies in mouse tumor xenografts. *Journal of Nuclear Medicine*, **2007**, 48, 602-7	8.9	79
292	A real-time clinical endoscopic system for intraluminal, multiplexed imaging of surface-enhanced Raman scattering nanoparticles. *PLoS ONE*, **2015**, 10, e0123185	3.7	79
291	Molecular profiling of single circulating tumor cells from lung cancer patients. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E8379-E8386	11.5	79

290	Preclinical derivation and imaging of autologously transplanted canine induced pluripotent stem cells. *Journal of Biological Chemistry*, **2011**, 286, 32697-704	5.4	78
289	Imaging gene expression in human mesenchymal stem cells: from small to large animals. *Radiology*, **2009**, 252, 117-27	20.5	78
288	Twist1 suppresses senescence programs and thereby accelerates and maintains mutant Kras-induced lung tumorigenesis. *PLoS Genetics*, **2012**, 8, e1002650	6	78
287	Cationic versus neutral microbubbles for ultrasound-mediated gene delivery in cancer. *Radiology*, **2012**, 264, 721-32	20.5	78
286	Micro-positron emission tomography imaging of cardiac gene expression in rats using bicistronic adenoviral vector-mediated gene delivery. *Circulation*, **2004**, 109, 1415-20	16.7	78
285	Synthesis of a new heterobifunctional linker, N-[4-(aminooxy)butyl]maleimide, for facile access to a thiol-reactive 18F-labeling agent. *Bioconjugate Chemistry*, **2003**, 14, 1253-9	6.3	78
284	PET imaging of transgene expression. *Biological Psychiatry*, **2000**, 48, 337-48	7.9	78
283	Intracellular aggregation of multimodal silica nanoparticles for ultrasound-guided stem cell implantation. *Science Translational Medicine*, **2013**, 5, 177ra35	17.5	77
282	Spontaneous and controllable activation of suicide gene expression driven by the stress-inducible grp78 promoter resulting in eradication of sizable human tumors. *Human Gene Therapy*, **2004**, 15, 553-61	4.8	77
281	Reporter gene imaging of protein-protein interactions in living subjects. *Current Opinion in Biotechnology*, **2007**, 18, 31-7	11.4	75
280	Imaging activated T cells predicts response to cancer vaccines. *Journal of Clinical Investigation*, **2018** , 128, 2569-2580	15.9	74
279	Development and application of stable phantoms for the evaluation of photoacoustic imaging instruments. *PLoS ONE*, **2013**, 8, e75533	3.7	72
278	A novel method for direct site-specific radiolabeling of peptides using [18F]FDG. *Bioconjugate Chemistry*, **2009**, 20, 432-6	6.3	72
277	Interrogating androgen receptor function in recurrent prostate cancer. *Cancer Research*, **2003**, 63, 4552-60	10.1	72
276	Earlier detection of breast cancer with ultrasound molecular imaging in a transgenic mouse model. *Cancer Research*, **2013**, 73, 1689-98	10.1	71
275	Early diagnosis of ovarian carcinoma: is a solution in sight?. *Radiology*, **2011**, 259, 329-45	20.5	71
274	Fluorescent magnetic nanoparticles for magnetically enhanced cancer imaging and targeting in living subjects. *ACS Nano*, **2012**, 6, 6862-9	16.7	70
273	Three-dimensional photoacoustic imaging using a two-dimensional CMUT array. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2009**, 56, 2411-9	3.2	70

272	Raman's "effect" on molecular imaging. *Journal of Nuclear Medicine*, **2011**, 52, 1839-44	8.9	70
271	Fusion of Gaussia luciferase to an engineered anti-carcinoembryonic antigen (CEA) antibody for in vivo optical imaging. *Molecular Imaging and Biology*, **2007**, 9, 267-77	3.8	70
270	Synthesis of 8-[(18)F]fluoroguanine derivatives: in vivo probes for imaging gene expression with positron emission tomography. *Nuclear Medicine and Biology*, **2000**, 27, 157-62	2.1	70
269	Oxidative stress mediates the effects of Raman-active gold nanoparticles in human cells. *Small*, **2011**, 7, 126-36	11	69
268	"Same day" ex-vivo regional gene therapy: a novel strategy to enhance bone repair. *Molecular Therapy*, **2011**, 19, 960-8	11.7	69
267	Visualization of a primary anti-tumor immune response by positron emission tomography. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 17412-7	11.5	69
266	Transcriptional profiling of reporter genes used for molecular imaging of embryonic stem cell transplantation. *Physiological Genomics*, **2006**, 25, 29-38	3.6	68
265	First experience with clinical-grade ([18F]FPP(RGD)1 an automated multi-step radiosynthesis for clinical PET studies. *Molecular Imaging and Biology*, **2012**, 14, 88-95	3.8	67
264	Preclinical evaluation of Raman nanoparticle biodistribution for their potential use in clinical endoscopy imaging. *Small*, **2011**, 7, 2232-40	11	67
263	Cell-free metabolic engineering promotes high-level production of bioactive Gaussia princeps luciferase. *Metabolic Engineering*, **2008**, 10, 187-200	9.7	61
262	Tissue-targeted therapy of autoimmune diabetes using dendritic cells transduced to express IL-4 in NOD mice. *Clinical Immunology*, **2008**, 127, 176-87	9	60
261	Monitoring of the biological response to murine hindlimb ischemia with 64Cu-labeled vascular endothelial growth factor-121 positron emission tomography. *Circulation*, **2008**, 117, 915-22	16.7	60
260	Decision analysis for the cost-effective management of recurrent colorectal cancer. *Annals of Surgery*, **2001**, 233, 310-9	7.8	60
259	Engineered immune cells as highly sensitive cancer diagnostics. *Nature Biotechnology*, **2019**, 37, 531-539	44.5	59
258	A mountable toilet system for personalized health monitoring via the analysis of excreta. *Nature Biomedical Engineering*, **2020**, 4, 624-635	19	59
257	Radiotheranostics: a roadmap for future development. *Lancet Oncology, The*, **2020**, 21, e146-e156	21.7	59
256	An intravascular magnetic wire for the high-throughput retrieval of circulating tumour cells in vivo. *Nature Biomedical Engineering*, **2018**, 2, 696-705	19	59
255	New positron emission tomography (PET) radioligand for imaging 1 receptors in living subjects. *Journal of Medicinal Chemistry*, **2012**, 55, 8272-8282	8.3	59

254	Molecular imaging of homodimeric protein-protein interactions in living subjects. *FASEB Journal*, **2004**, 18, 1105-7	0.9	59
253	Cardiovascular molecular imaging. *Radiology*, **2007**, 244, 337-55	20.5	58
252	Noninvasive imaging of enhanced prostate-specific gene expression using a two-step transcriptional amplification-based lentivirus vector. *Molecular Therapy*, **2004**, 10, 545-52	11.7	58
251	Photoacoustic Tomography Detects Early Vessel Regression and Normalization During Ovarian Tumor Response to the Antiangiogenic Therapy Trebananib. *Journal of Nuclear Medicine*, **2015**, 56, 1942-7	8.9	57
250	A dual-labeled knottin peptide for PET and near-infrared fluorescence imaging of integrin expression in living subjects. *Bioconjugate Chemistry*, **2010**, 21, 436-44	6.3	57
249	Whole-body skeletal imaging in mice utilizing microPET: optimization of reproducibility and applications in animal models of bone disease. *European Journal of Nuclear Medicine and Molecular Imaging*, **2002**, 29, 1225-36	8.8	57
248	Indirect monitoring of endogenous gene expression by positron emission tomography (PET) imaging of reporter gene expression in transgenic mice. *Molecular Imaging and Biology*, **2002**, 4, 71-81	3.8	57
247	A 2-helix small protein labeled with 68Ga for PET imaging of HER2 expression. *Journal of Nuclear Medicine*, **2009**, 50, 1492-9	8.9	55
246	Quantitation of cell number by a positron emission tomography reporter gene strategy. *Molecular Imaging and Biology*, **2004**, 6, 139-48	3.8	55
245	Multimodality imaging of lymphocytic migration using lentiviral-based transduction of a tri-fusion reporter gene. *Molecular Imaging and Biology*, **2004**, 6, 331-40	3.8	55
244	A molecularly engineered split reporter for imaging protein-protein interactions with positron emission tomography. *Nature Medicine*, **2010**, 16, 921-6	50.5	54
243	Novel fusion protein approach for efficient high-throughput screening of small molecule-mediating protein-protein interactions in cells and living animals. *Cancer Research*, **2005**, 65, 7413-20	10.1	54
242	Optical coherence contrast imaging using gold nanorods in living mice eyes. *Clinical and Experimental Ophthalmology*, **2015**, 43, 358-66	2.4	53
241	Antiviral drug ganciclovir is a potent inhibitor of microglial proliferation and neuroinflammation. *Journal of Experimental Medicine*, **2014**, 211, 189-98	16.6	53
240	Circulating tumor microemboli diagnostics for patients with non-small-cell lung cancer. *Journal of Thoracic Oncology*, **2014**, 9, 1111-9	8.9	53
239	Preclinical safety evaluation of 18F-FHBG: a PET reporter probe for imaging herpes simplex virus type 1 thymidine kinase (HSV1-tk) or mutant HSV1-sr39tk expression. *Journal of Nuclear Medicine*, **2006**, 47, 706-15	8.9	53
238	Regulatory Aspects of Optical Methods and Exogenous Targets for Cancer Detection. *Cancer Research*, **2017**, 77, 2197-2206	10.1	52
237	Lymphoid-tissue-specific homing of bone-marrow-derived dendritic cells. *Blood*, **2009**, 113, 6638-47	2.2	52

236	The Immunoimaging Toolbox. *Journal of Nuclear Medicine*, **2018**, 59, 1174-1182	8.9	52
235	High-sensitivity, real-time, ratiometric imaging of surface-enhanced Raman scattering nanoparticles with a clinically translatable Raman endoscope device. *Journal of Biomedical Optics*, **2013**, 18, 096008	3.5	51
234	Gene therapy imaging in patients for oncological applications. *European Journal of Nuclear Medicine and Molecular Imaging*, **2005**, 32 Suppl 2, S384-403	8.8	51
233	Comparison of [14C]FMAU, [3H]FEAU, [14C]FIAU, and [3H]PCV for monitoring reporter gene expression of wild type and mutant herpes simplex virus type 1 thymidine kinase in cell culture. *Molecular Imaging and Biology*, **2005**, 7, 296-303	3.8	51
232	Noninvasive imaging of cationic lipid-mediated delivery of optical and PET reporter genes in living mice. *Molecular Therapy*, **2002**, 6, 555-62	11.7	51
231	Sol-gel synthesis and electrospraying of biodegradable (P2O5)55-(CaO)30-(Na2O)15 glass nanospheres as a transient contrast agent for ultrasound stem cell imaging. *ACS Nano*, **2015**, 9, 1868-1877	16.7	50
230	Use of (64)Cu-labeled fibronectin domain with EGFR-overexpressing tumor xenograft: molecular imaging. *Radiology*, **2012**, 263, 179-88	20.5	50
229	Cys-diabody quantum dot conjugates (immunoQdots) for cancer marker detection. *Bioconjugate Chemistry*, **2009**, 20, 1474-81	6.3	50
228	Cancer screening: a mathematical model relating secreted blood biomarker levels to tumor sizes. *PLoS Medicine*, **2008**, 5, e170	11.6	50
227	Multitarget, quantitative nanoplasmonic electrical field-enhanced resonating device (NE2RD) for diagnostics. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E4354-63	11.5	49
226	Molecular imaging of inflammation in inflammatory bowel disease with a clinically translatable dual-selectin-targeted US contrast agent: comparison with FDG PET/CT in a mouse model. *Radiology*, **2013**, 267, 818-29	20.5	49
225	Bifunctional antibody-Renilla luciferase fusion protein for in vivo optical detection of tumors. *Protein Engineering, Design and Selection*, **2006**, 19, 453-60	1.9	49
224	Molecular imaging of cardiovascular gene products. *Journal of Nuclear Cardiology*, **2004**, 11, 491-505	2.1	49
223	Surface-Enhanced Raman Scattering Nanoparticles for Multiplexed Imaging of Bladder Cancer Tissue Permeability and Molecular Phenotype. *ACS Nano*, **2018**, 12, 9669-9679	16.7	49
222	Optimization of adenoviral vectors to direct highly amplified prostate-specific expression for imaging and gene therapy. *Molecular Therapy*, **2003**, 8, 726-37	11.7	48
221	Noninvasive indirect imaging of vascular endothelial growth factor gene expression using bioluminescence imaging in living transgenic mice. *Physiological Genomics*, **2006**, 24, 173-80	3.6	47
220	Direct site-specific radiolabeling of an Affibody protein with 4-[18F]fluorobenzaldehyde via oxime chemistry. *Molecular Imaging and Biology*, **2008**, 10, 177-81	3.8	46
219	Simultaneous transrectal ultrasound and photoacoustic human prostate imaging. *Science Translational Medicine*, **2019**, 11,	17.5	45

218	Molecular imaging: integration of molecular imaging into the musculoskeletal imaging practice. *Radiology*, **2007**, 244, 651-71	20.5	45
217	[F]GE-180 PET Detects Reduced Microglia Activation After LM11A-31 Therapy in a Mouse Model of Alzheimer's Disease. *Theranostics*, **2017**, 7, 1422-1436	12.1	44
216	Evolution of BRET Biosensors from Live Cell to Tissue-Scale In vivo Imaging. *Frontiers in Endocrinology*, **2013**, 4, 131	5.7	44
215	Applications of molecular imaging in cancer gene therapy. *Current Gene Therapy*, **2005**, 5, 607-18	4.3	44
214	Imaging chemically modified adenovirus for targeting tumors expressing integrin alphavbeta3 in living mice with mutant herpes simplex virus type 1 thymidine kinase PET reporter gene. *Journal of Nuclear Medicine*, **2006**, 47, 130-9	8.9	43
213	A Systematic Comparison of 18F-C-SNAT to Established Radiotracer Imaging Agents for the Detection of Tumor Response to Treatment. *Clinical Cancer Research*, **2015**, 21, 3896-905	12.9	42
212	18F-fluorobenzoate-labeled cystine knot peptides for PET imaging of integrin . *Journal of Nuclear Medicine*, **2013**, 54, 1101-5	8.9	42
211	Molecular imaging of PET reporter gene expression. *Handbook of Experimental Pharmacology*, **2008**, 277-303	3.2	42
210	Bioluminescent imaging of melanoma in live mice. *Journal of Investigative Dermatology*, **2005**, 125, 159-165	4.9	42
209	Functionality of androgen receptor-based gene expression imaging in hormone refractory prostate cancer. *Clinical Cancer Research*, **2005**, 11, 3743-9	12.9	41
208	Molecular imaging agents for ultrasound. *Current Opinion in Chemical Biology*, **2018**, 45, 113-120	9.7	40
207	Positron emission tomography imaging analysis of G2A as a negative modifier of lymphoid leukemogenesis initiated by the BCR-ABL oncogene. *Cancer Cell*, **2002**, 1, 381-91	24.3	40
206	Pilot Preclinical and Clinical Evaluation of (4S)-4-(3-[18F]Fluoropropyl)-L-Glutamate (18F-FSPG) for PET/CT Imaging of Intracranial Malignancies. *PLoS ONE*, **2016**, 11, e0148628	3.7	40
205	Emerging Intraoperative Imaging Modalities to Improve Surgical Precision. *Molecular Imaging and Biology*, **2018**, 20, 705-715	3.8	39
204	Evaluation of integrin cystine knot PET tracers to detect cancer and idiopathic pulmonary fibrosis. *Nature Communications*, **2019**, 10, 4673	17.4	39
203	Cellulose Nanoparticles are a Biodegradable Photoacoustic Contrast Agent for Use in Living Mice. *Photoacoustics*, **2014**, 2, 119-127	9	39
202	A comparison between a time domain and continuous wave small animal optical imaging system. *IEEE Transactions on Medical Imaging*, **2008**, 27, 58-63	11.7	39
201	Novel bidirectional vector strategy for amplification of therapeutic and reporter gene expression. *Human Gene Therapy*, **2004**, 15, 681-90	4.8	39

200	Longitudinal, noninvasive imaging of T-cell effector function and proliferation in living subjects. *Cancer Research*, **2010**, 70, 10141-9	10.1	38
199	PET imaging of tumor neovascularization in a transgenic mouse model with a novel 64Cu-DOTA-knottin peptide. *Cancer Research*, **2010**, 70, 9022-30	10.1	38
198	Facile synthesis, silanization, and biodistribution of biocompatible quantum dots. *Small*, **2010**, 6, 1520-8	11	38
197	Comparison between adenoviral and retroviral vectors for the transduction of the thymidine kinase PET reporter gene in rat mesenchymal stem cells. *Journal of Nuclear Medicine*, **2008**, 49, 1836-44	8.9	38
196	Noninvasive molecular imaging of c-Myc activation in living mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 15892-7	11.5	37
195	Semiautomated radiosynthesis and biological evaluation of [18F]FEAU: a novel PET imaging agent for HSV1-tk/sr39tk reporter gene expression. *Molecular Imaging and Biology*, **2008**, 10, 82-91	3.8	37
194	Glioblastoma therapy with cytotoxic mesenchymal stromal cells optimized by bioluminescence imaging of tumor and therapeutic cell response. *PLoS ONE*, **2012**, 7, e35148	3.7	37
193	PET imaging of translocator protein (18 kDa) in a mouse model of Alzheimer's disease using N-(2,5-dimethoxybenzyl)-2-18F-fluoro-N-(2-phenoxyphenyl)acetamide. *Journal of Nuclear Medicine*, **2015**, 56, 311-6	8.9	36
192	PET of malignant melanoma using 18F-labeled metallopeptides. *Journal of Nuclear Medicine*, **2009**, 50, 1865-72	8.9	36
191	Chapter 7. Molecular imaging of tumor vasculature. *Methods in Enzymology*, **2008**, 445, 141-76	1.7	36
190	ICOS Is an Indicator of T-cell-Mediated Response to Cancer Immunotherapy. *Cancer Research*, **2020**, 80, 3023-3032	10.1	36
189	A strategy for blood biomarker amplification and localization using ultrasound. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 17152-7	11.5	35
188	In vitro and in vivo molecular imaging of estrogen receptor □and □homo- and heterodimerization: exploration of new modes of receptor regulation. *Molecular Endocrinology*, **2011**, 25, 2029-40		35
187	A quantitative physiologic model of blood oxygenation for functional magnetic resonance imaging. *Investigative Radiology*, **1995**, 30, 669-82	10.1	35
186	Evaluation of □1 receptor radioligand 18F-FTC-146 in rats and squirrel monkeys using PET. *Journal of Nuclear Medicine*, **2014**, 55, 147-53	8.9	33
185	Tumor treating fields increases membrane permeability in glioblastoma cells. *Cell Death Discovery*, **2018**, 4, 113	6.9	33
184	Detecting cancers through tumor-activatable minicircles that lead to a detectable blood biomarker. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 3068-73	11.5	32
183	A high-affinity, high-stability photoacoustic agent for imaging gastrin-releasing peptide receptor in prostate cancer. *Clinical Cancer Research*, **2014**, 20, 3721-9	12.9	32

182	Development of a novel long-lived immunoPET tracer for monitoring lymphoma therapy in a humanized transgenic mouse model. *Bioconjugate Chemistry*, **2012**, 23, 1221-9	6.3	32
181	Integrin-targeted molecular imaging of experimental abdominal aortic aneurysms by (18)F-labeled Arg-Gly-Asp positron-emission tomography. *Circulation: Cardiovascular Imaging*, **2013**, 6, 950-6	3.9	32
180	A tracer kinetic model for 18F-FHBG for quantitating herpes simplex virus type 1 thymidine kinase reporter gene expression in living animals using PET. *Journal of Nuclear Medicine*, **2004**, 45, 1560-70	8.9	32
179	Ultrasound/microbubble-mediated targeted delivery of anticancer microRNA-loaded nanoparticles to deep tissues in pigs. *Journal of Controlled Release*, **2019**, 309, 1-10	11.7	31
178	Cerenkov luminescence endoscopy: improved molecular sensitivity with □emitting radiotracers. *Journal of Nuclear Medicine*, **2014**, 55, 1905-9	8.9	31
177	Human flexor tendon tissue engineering: revitalization of biostatic allograft scaffolds. *Tissue Engineering - Part A*, **2012**, 18, 2406-17	3.9	31
176	Monitoring the antitumor response of naive and memory CD8 T cells in RAG1-/- mice by positron-emission tomography. *Journal of Immunology*, **2006**, 176, 4459-67	5.3	31
175	Micro-PET/CT Monitoring of Herpes Thymidine Kinase Suicide Gene Therapy in a Prostate Cancer Xenograft: The Advantage of a Cell-specific Transcriptional Targeting Approach. *Molecular Imaging*, **2005**, 4, 7290.2005.05154	3.7	31
174	Reproducibility of 3Rdeoxy-3R(18)F-fluorothymidine microPET studies in tumor xenografts in mice. *Journal of Nuclear Medicine*, **2005**, 46, 1851-7	8.9	31
173	Microvesicle-Mediated Delivery of Minicircle DNA Results in Effective Gene-Directed Enzyme Prodrug Cancer Therapy. *Molecular Cancer Therapeutics*, **2019**, 18, 2331-2342	6.1	30
172	Imaging of hepatocellular carcinoma patient-derived xenografts using □Zr-labeled anti-glypican-3 monoclonal antibody. *Biomaterials*, **2014**, 35, 6964-71	15.6	30
171	A c-Myc activation sensor-based high-throughput drug screening identifies an antineoplastic effect of nitazoxanide. *Molecular Cancer Therapeutics*, **2013**, 12, 1896-905	6.1	30
170	An integrated computational/experimental model of lymphoma growth. *PLoS Computational Biology*, **2013**, 9, e1003008	5	30
169	A potent, imaging adenoviral vector driven by the cancer-selective mucin-1 promoter that targets breast cancer metastasis. *Clinical Cancer Research*, **2009**, 15, 3126-34	12.9	30
168	Evaluating tumor biology and oncological disease with positron-emission tomography. *Seminars in Radiation Oncology*, **1998**, 8, 183-96	5.5	30
167	An observational study of circulating tumor cells and (18)F-FDG PET uptake in patients with treatment-naive non-small cell lung cancer. *PLoS ONE*, **2013**, 8, e67733	3.7	30
166	Nanomedicine for Spontaneous Brain Tumors: A Companion Clinical Trial. *ACS Nano*, **2019**, 13, 2858-2869	16.7	30
165	Visualizing Nerve Injury in a Neuropathic Pain Model with [F]FTC-146 PET/MRI. *Theranostics*, **2017**, 7, 2794-2805	12.1	29

164	Noninvasive imaging of therapeutic gene expression using a bidirectional transcriptional amplification strategy. *Molecular Therapy*, **2008**, 16, 1848-56	11.7	29
163	In vivo bioluminescence tumor imaging of RGD peptide-modified adenoviral vector encoding firefly luciferase reporter gene. *Molecular Imaging and Biology*, **2007**, 9, 126-34	3.8	29
162	Optimizing prostate cancer suicide gene therapy using herpes simplex virus thymidine kinase active site variants. *Human Gene Therapy*, **2002**, 13, 777-89	4.8	29
161	Engineered two-helix small proteins for molecular recognition. *ChemBioChem*, **2009**, 10, 1293-6	3.8	28
160	Regulatory and reimbursement challenges for molecular imaging. *Radiology*, **2007**, 245, 645-60	20.5	28
159	MicroPET imaging of prostate cancer in LNCAP-SR39TK-GFP mouse xenografts. *Prostate*, **2003**, 55, 39-47	4.2	28
158	Development and Preclinical Validation of a Cysteine Knottin Peptide Targeting Integrin □□ for Near-infrared Fluorescent-guided Surgery in Pancreatic Cancer. *Clinical Cancer Research*, **2018**, 24, 1667-1676	12.9	27
157	18F-FPRGD2 PET/CT imaging of integrin □□ in renal carcinomas: correlation with histopathology. *Journal of Nuclear Medicine*, **2015**, 56, 361-4	8.9	27
156	Rapid synthesis of a 5Rfluorinated oligodeoxy-nucleotide: a model antisense probe for use in imaging with positron emission tomography (PET). *Bioorganic and Medicinal Chemistry Letters*, **1998**, 8, 1317-20	2.9	27
155	Early detection of cancer.. *Science*, **2022**, 375, eaay9040	33.3	27
154	Imaging B Cells in a Mouse Model of Multiple Sclerosis Using Cu-Rituximab PET. *Journal of Nuclear Medicine*, **2017**, 58, 1845-1851	8.9	26
153	In vivo optical bioluminescence imaging of collagen-supported cardiac cell grafts. *Journal of Heart and Lung Transplantation*, **2007**, 26, 273-80	5.8	26
152	CL1-SR39: A Noninvasive Molecular Imaging Model of Prostate Cancer Suicide Gene Therapy Using Positron Emission Tomography. *Journal of Urology*, **2002**, 168, 1193-1198	2.5	26
151	PET of cardiac transgene expression: comparison of 2 approaches based on herpesviral thymidine kinase reporter gene. *Journal of Nuclear Medicine*, **2004**, 45, 1917-23	8.9	26
150	Biodistribution and Radiation Dosimetry of F-FTC-146 in Humans. *Journal of Nuclear Medicine*, **2017**, 58, 2004-2009	8.9	25
149	Reconstructed Apoptotic Bodies as Targeted "Nano Decoys" to Treat Intracellular Bacterial Infections within Macrophages and Cancer Cells. *ACS Nano*, **2020**, 14, 5818-5835	16.7	25
148	Measuring herpes simplex virus thymidine kinase reporter gene expression in vitro. *Nature Protocols*, **2006**, 1, 2137-42	18.8	25
147	Evaluation of firefly luciferase bioluminescence mediated photodynamic toxicity in cancer cells. *Molecular Imaging and Biology*, **2006**, 8, 218-25	3.8	25

146	Assessment of Tumor Redox Status through ()-4-(3-[F]fluoropropyl)-L-Glutamic Acid PET Imaging of System x Activity. *Cancer Research*, **2019**, 79, 853-863	10.1	25
145	Detection of Premalignant Gastrointestinal Lesions Using Surface-Enhanced Resonance Raman Scattering-Nanoparticle Endoscopy. *ACS Nano*, **2019**, 13, 1354-1364	16.7	25
144	Noninvasive monitoring of target gene expression by imaging reporter gene expression in living animals using improved bicistronic vectors. *Journal of Nuclear Medicine*, **2005**, 46, 667-74	8.9	25
143	AshwaMAX and Withaferin A inhibits gliomas in cellular and murine orthotopic models. *Journal of Neuro-Oncology*, **2016**, 126, 253-64	4.8	24
142	Tracking cellular and immune therapies in cancer. *Advances in Cancer Research*, **2014**, 124, 257-96	5.9	24
141	Noninvasive monitoring of oxidative stress in transplanted mesenchymal stromal cells. *JACC: Cardiovascular Imaging*, **2013**, 6, 795-802	8.4	24
140	Optical imaging with her2-targeted affibody molecules can monitor hsp90 treatment response in a breast cancer xenograft mouse model. *Clinical Cancer Research*, **2012**, 18, 1073-81	12.9	24
139	Antioxidants improve early survival of cardiomyoblasts after transplantation to the myocardium. *Molecular Imaging and Biology*, **2010**, 12, 325-34	3.8	24
138	Bioluminescence imaging of systemic tumor targeting using a prostate-specific lentiviral vector. *Human Gene Therapy*, **2006**, 17, 125-32	4.8	24
137	The lag of cerebral hemodynamics with rapidly alternating periodic stimulation: modeling for functional MRI. *Magnetic Resonance Imaging*, **1999**, 17, 9-20	3.3	24
136	Implantable semiconductor biosensor for continuous in vivo sensing of far-red fluorescent molecules. *Optics Express*, **2010**, 18, 12513-25	3.3	23
135	Imaging androgen receptor function during flutamide treatment in the LAPC9 xenograft model. *Molecular Cancer Therapeutics*, **2005**, 4, 1662-9	6.1	23
134	A correlative optical microscopy and scanning electron microscopy approach to locating nanoparticles in brain tumors. *Micron*, **2015**, 68, 70-76	2.3	22
133	Advances in Diagnostic and Intraoperative Molecular Imaging of Pancreatic Cancer. *Pancreas*, **2018**, 47, 675-689	2.6	22
132	Predictive Modeling of Drug Response in Non-Hodgkin's Lymphoma. *PLoS ONE*, **2015**, 10, e0129433	3.7	22
131	Comparison of Deconvolution Filters for Photoacoustic Tomography. *PLoS ONE*, **2016**, 11, e0152597	3.7	22
130	18F-FAZA PET imaging response tracks the reoxygenation of tumors in mice upon treatment with the mitochondrial complex I inhibitor BAY 87-2243. *Clinical Cancer Research*, **2015**, 21, 335-46	12.9	21
129	Thy1-Targeted Microbubbles for Ultrasound Molecular Imaging of Pancreatic Ductal Adenocarcinoma. *Clinical Cancer Research*, **2018**, 24, 1574-1585	12.9	21

128	Noninvasive monitoring of placenta-specific transgene expression by bioluminescence imaging. *PLoS ONE*, **2011**, 6, e16348	3.7	21
127	Discovery and validation of small-molecule heat-shock protein 90 inhibitors through multimodality molecular imaging in living subjects. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E2476-85	11.5	21
126	Molecular Imaging of Chimeric Antigen Receptor T Cells by ICOS-ImmunoPET. *Clinical Cancer Research*, **2021**, 27, 1058-1068	12.9	21
125	Synthesis of [□F]-labelled maltose derivatives as PET tracers for imaging bacterial infection. *Molecular Imaging and Biology*, **2015**, 17, 168-76	3.8	20
124	Designed hydrophilic and charge mutations of the fibronectin domain: towards tailored protein biodistribution. *Protein Engineering, Design and Selection*, **2012**, 25, 639-47	1.9	20
123	Remodeling of endogenous mammary epithelium by breast cancer stem cells. *Stem Cells*, **2012**, 30, 2114-28	5.8	20
122	Use of DNA microarray and small animal positron emission tomography in preclinical drug evaluation of RAF265, a novel B-Raf/VEGFR-2 inhibitor. *Neoplasia*, **2011**, 13, 266-75	6.4	20
121	Multiparametric Photoacoustic Analysis of Human Thyroid Cancers. *Cancer Research*, **2021**, 81, 4849-4860	10.1	20
120	Detection of osseous metastasis by 18F-NaF/18F-FDG PET/CT versus CT alone. *Clinical Nuclear Medicine*, **2015**, 40, e173-7	1.7	19
119	Deactivated CRISPR Associated Protein 9 for Minor-Allele Enrichment in Cell-Free DNA. *Clinical Chemistry*, **2018**, 64, 307-316	5.5	19
118	A Novel Engineered Small Protein for Positron Emission Tomography Imaging of Human Programmed Death Ligand-1: Validation in Mouse Models and Human Cancer Tissues. *Clinical Cancer Research*, **2019**, 25, 1774-1785	12.9	19
117	"Flying through" and "flying around" a PET/CT scan: Pilot study and development of 3D integrated 18F-FDG PET/CT for virtual bronchoscopy and colonoscopy. *Journal of Nuclear Medicine*, **2006**, 47, 1081-7	8.9	19
116	Intravital imaging reveals synergistic effect of CAR T-cells and radiation therapy in a preclinical immunocompetent glioblastoma model. *OncoImmunology*, **2020**, 9, 1757360	7.2	18
115	Gene expression tomography. *Physiological Genomics*, **2002**, 8, 159-67	3.6	18
114	Radiosynthesis and First-In-Human PET/MRI Evaluation with Clinical-Grade [F]FTC-146. *Molecular Imaging and Biology*, **2017**, 19, 779-786	3.8	17
113	Further validation to support clinical translation of [(18)F]FTC-146 for imaging sigma-1 receptors. *EJNMMI Research*, **2015**, 5, 49	3.6	17
112	A scanning transmission electron microscopy approach to analyzing large volumes of tissue to detect nanoparticles. *Microscopy and Microanalysis*, **2013**, 19, 1290-7	0.5	17
111	Imaging mitogen-activated protein kinase function in xenograft models of prostate cancer. *Cancer Research*, **2006**, 66, 10778-85	10.1	17

110	A Clinical Wide-Field Fluorescence Endoscopic Device for Molecular Imaging Demonstrating Cathepsin Protease Activity in Colon Cancer. *Molecular Imaging and Biology*, **2016**, 18, 820-829	3.8	17
109	Synergistic inhibition of glioma cell proliferation by Withaferin A and tumor treating fields. *Journal of Neuro-Oncology*, **2017**, 134, 259-268	4.8	16
108	Immobilizing reporters for molecular imaging of the extracellular microenvironment in living animals. *ACS Chemical Biology*, **2011**, 6, 1117-26	4.9	16
107	Micro-PET/CT monitoring of herpes thymidine kinase suicide gene therapy in a prostate cancer xenograft: the advantage of a cell-specific transcriptional targeting approach. *Molecular Imaging*, **2005**, 4, 463-72	3.7	16
106	[(18)F]FPRGD2 PET/CT imaging of integrin VB levels in patients with locally advanced rectal carcinoma. *European Journal of Nuclear Medicine and Molecular Imaging*, **2016**, 43, 654-62	8.8	15
105	Withaferin A and its potential role in glioblastoma (GBM). *Journal of Neuro-Oncology*, **2017**, 131, 201-211	4.8	15
104	Tissue-engineered collateral ligament composite allografts for scapholunate ligament reconstruction: an experimental study. *Journal of Hand Surgery*, **2012**, 37, 1529-37	2.6	15
103	Noninvasive evaluation of immunosuppressive drug efficacy on acute donor cell survival. *Molecular Imaging and Biology*, **2006**, 8, 163-70	3.8	15
102	Detection of visually occult metastatic lymph nodes using molecularly targeted fluorescent imaging during surgical resection of pancreatic cancer. *Hpb*, **2019**, 21, 883-890	3.8	15
101	Reduction Triggered Polymerization in Living Mice. *Journal of the American Chemical Society*, **2020**, 142, 15575-15584	16.4	15
100	Development and Validation of an Immuno-PET Tracer as a Companion Diagnostic Agent for Antibody-Drug Conjugate Therapy to Target the CA6 Epitope. *Radiology*, **2015**, 276, 191-8	20.5	14
99	A transgenic mouse model expressing an ER folding biosensor reveals the effects of Bisphenol A on estrogen receptor signaling. *Scientific Reports*, **2016**, 6, 34788	4.9	14
98	Exogenous MC3T3 preosteoblasts migrate systemically and mitigate the adverse effects of wear particles. *Tissue Engineering - Part A*, **2012**, 18, 2559-67	3.9	14
97	Molecular imaging of biological gene delivery vehicles for targeted cancer therapy: beyond viral vectors. *Nuclear Medicine and Molecular Imaging*, **2010**, 44, 15-24	1.9	14
96	Noninvasive imaging of ex vivo intracoronarily delivered nonviral therapeutic transgene expression in heart. *Molecular Therapy*, **2005**, 12, 49-57	11.7	14
95	Multiscale Framework for Imaging Radiolabeled Therapeutics. *Molecular Pharmaceutics*, **2015**, 12, 4554-606	5.6	13
94	Impact of screening test performance and cost on mortality reduction and cost-effectiveness of multimodal ovarian cancer screening. *Cancer Prevention Research*, **2012**, 5, 1015-24	3.2	13
93	Response to intra-arterial oncolytic virotherapy with the herpes virus NV1020 evaluated by [18F]fluorodeoxyglucose positron emission tomography and computed tomography. *Human Gene Therapy*, **2012**, 23, 91-7	4.8	13

92	Embryonic stem cell-derived endothelial cells for treatment of hindlimb ischemia. *Journal of Visualized Experiments*, **2009**,	1.6	13
91	Intratumoral versus intravenous gene therapy using a transcriptionally targeted viral vector in an orthotopic hepatocellular carcinoma rat model. *Journal of Vascular and Interventional Radiology*, **2012**, 23, 704-11	2.4	12
90	Reproducibility study of [(18)F]FPP(RGD)2 uptake in murine models of human tumor xenografts. *European Journal of Nuclear Medicine and Molecular Imaging*, **2011**, 38, 722-30	8.8	12
89	Visualization of telomerase reverse transcriptase (hTERT) promoter activity using a trimodality fusion reporter construct. *Journal of Nuclear Medicine*, **2006**, 47, 270-7	8.9	12
88	Longitudinal Monitoring of Antibody Responses against Tumor Cells Using Magneto-nanosensors with a Nanoliter of Blood. *Nano Letters*, **2017**, 17, 6644-6652	11.5	11
87	PET Imaging of the Natural Killer Cell Activation Receptor NKp30. *Journal of Nuclear Medicine*, **2020**, 61, 1348-1354	8.9	11
86	Characterization of Physiologic (18)F FSPG Uptake in Healthy Volunteers. *Radiology*, **2016**, 279, 898-905	20.5	11
85	Biodegradable fluorescent nanoparticles for endoscopic detection of colorectal carcinogenesis. *Advanced Functional Materials*, **2019**, 29, 1904992	15.6	11
84	Real-time, continuous, fluorescence sensing in a freely-moving subject with an implanted hybrid VCSEL/CMOS biosensor. *Biomedical Optics Express*, **2013**, 4, 1332-41	3.5	11
83	Advanced Characterization Techniques for Nanoparticles for Cancer Research: Applications of SEM and NanoSIMS for Locating Au Nanoparticles in Cells. *Materials Research Society Symposia Proceedings*, **2013**, 1569, 157-163		11
82	A novel 18F-labeled two-helix scaffold protein for PET imaging of HER2-positive tumor. *European Journal of Nuclear Medicine and Molecular Imaging*, **2011**, 38, 1977-84	8.8	11
81	A low noise current readout architecture for fluorescence detection in living subjects **2011**,		11
80	A human estrogen receptor (ER)alpha mutation with differential responsiveness to nonsteroidal ligands: novel approaches for studying mechanism of ER action. *Molecular Endocrinology*, **2008**, 22, 1552-64		11
79	HaloTag Protein-Mediated Site-Specific Conjugation of Bioluminescent Proteins to Quantum Dots. *Angewandte Chemie*, **2006**, 118, 5058-5062	3.6	11
78	A transgenic tri-modality reporter mouse. *PLoS ONE*, **2013**, 8, e73580	3.7	11
77	Continuous health monitoring: An opportunity for precision health. *Science Translational Medicine*, **2021**, 13,	17.5	11
76	Quantitative photoacoustic image reconstruction improves accuracy in deep tissue structures. *Biomedical Optics Express*, **2016**, 7, 3811-3825	3.5	11
75	Studying molecular and cellular processes in the intact organism. *Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques*, **2005**, 62, 117-50		11

74	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. *Radiology*, **2016**, 280, 815-25	20.5	10
73	Molecular imaging with surface-enhanced Raman spectroscopy nanoparticle reporters. *MRS Bulletin*, **2013**, 38, 625	3.2	10
72	A Magnetic Bead-Based Sensor for the Quantification of Multiple Prostate Cancer Biomarkers. *PLoS ONE*, **2015**, 10, e0139484	3.7	10
71	Studying the biodistribution of positron emission tomography reporter probes in mice. *Nature Protocols*, **2007**, 2, 1752-5	18.8	10
70	PET Reporter Gene Imaging and Ganciclovir-Mediated Ablation of Chimeric Antigen Receptor T Cells in Solid Tumors. *Cancer Research*, **2020**, 80, 4731-4740	10.1	10
69	Simultaneous PET/MRI in the Evaluation of Breast and Prostate Cancer Using Combined Na[F] F and [F]FDG: a Focus on Skeletal Lesions. *Molecular Imaging and Biology*, **2020**, 22, 397-406	3.8	10
68	□E-FPRGD□PET/CT imaging of musculoskeletal disorders. *Annals of Nuclear Medicine*, **2015**, 29, 839-47	2.5	9
67	Continuous-Wave Coherent Raman Spectroscopy via Plasmonic Enhancement. *Scientific Reports*, **2019**, 9, 12092	4.9	9
66	In vivo targeting of HER2-positive tumor using 2-helix affibody molecules. *Amino Acids*, **2012**, 43, 405-13	3.5	9
65	Protein biomarkers on tissue as imaged via MALDI mass spectrometry: A systematic approach to study the limits of detection. *Proteomics*, **2016**, 16, 1660-9	4.8	9
64	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. *Radiology*, **2016**, 280, 826-36	20.5	8
63	Evaluation of the antitumor effects of rilotumumab by PET imaging in a U-87 MG mouse xenograft model. *Nuclear Medicine and Biology*, **2013**, 40, 458-63	2.1	8
62	Molecular imaging using light-absorbing imaging agents and a clinical optical breast imaging system--a phantom study. *Molecular Imaging and Biology*, **2011**, 13, 232-8	3.8	8
61	Non-invasive bioluminescence imaging of myoblast-mediated hypoxia-inducible factor-1 alpha gene transfer. *Molecular Imaging and Biology*, **2011**, 13, 1124-32	3.8	8
60	3-D Deep Penetration Photoacoustic Imaging with a 2-D CMUT Array. *Proceedings IEEE Ultrasonics Symposium*, **2010**, 2010, 375-377		8
59	Molecular imaging of reporter gene expression in prostate cancer: an overview. *Seminars in Nuclear Medicine*, **2008**, 38, 9-19	5.4	8
58	Use of bioluminescent imaging to assay the transplantation of immortalized human fetal hepatocytes into mice. *Cell Transplantation*, **2008**, 17, 899-909	4	8
57	Tumor characterization by ultrasound-release of multiple protein and microRNA biomarkers, preclinical and clinical evidence. *PLoS ONE*, **2018**, 13, e0194268	3.7	8

56	A protease-activated, near-infrared fluorescent probe for early endoscopic detection of premalignant gastrointestinal lesions. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	8
55	Evaluation of Glycolytic Response to Multiple Classes of Anti-glioblastoma Drugs by Noninvasive Measurement of Pyruvate Kinase M2 Using [F]DASA-23. *Molecular Imaging and Biology*, **2020**, 22, 124-133	3.8	8
54	PET Imaging of TIGIT Expression on Tumor-Infiltrating Lymphocytes. *Clinical Cancer Research*, **2021**, 27, 1932-1940	12.9	8
53	A Dual-Modality Hybrid Imaging System Harnesses Radioluminescence and Sound to Reveal Molecular Pathology of Atherosclerotic Plaques. *Scientific Reports*, **2018**, 8, 8992	4.9	7
52	Noninvasive imaging of hypoxia-inducible factor-1 gene therapy for myocardial ischemia. *Human Gene Therapy Methods*, **2013**, 24, 279-88	4.9	7
51	Continuous sensing of tumor-targeted molecular probes with a vertical cavity surface emitting laser-based biosensor. *Journal of Biomedical Optics*, **2012**, 17, 117004	3.5	7
50	Nondestructive, serial in vivo imaging of a tissue-flap using a tissue adhesion barrier. *Intravital*, **2012**, 1, 69-76		7
49	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. *Clinical Cancer Research*, **2020**, 26, 5380-5387	12.9	7
48	Visualization of Activated T Cells by OX40-ImmunoPET as a Strategy for Diagnosis of Acute Graft-versus-Host Disease. *Cancer Research*, **2020**, 80, 4780-4790	10.1	7
47	Smart-Dust-Nanorice for Enhancement of Endogenous Raman Signal, Contrast in Photoacoustic Imaging, and T2-Shortening in Magnetic Resonance Imaging. *Small*, **2018**, 14, e1703683	11	6
46	A novel synthesis of 6R[F]-fluoromaltotriose as a PET tracer for imaging bacterial infection. *Journal of Labelled Compounds and Radiopharmaceuticals*, **2018**, 61, 408-414	1.9	6
45	A titratable two-step transcriptional amplification strategy for targeted gene therapy based on ligand-induced intramolecular folding of a mutant human estrogen receptor. *Molecular Imaging and Biology*, **2014**, 16, 224-34	3.8	6
44	A novel estrogen receptor intramolecular folding-based titratable transgene expression system. *Molecular Therapy*, **2009**, 17, 1703-11	11.7	6
43	Engineering of a novel subnanomolar affinity fibronectin III domain binder targeting human programmed death-ligand 1. *Protein Engineering, Design and Selection*, **2019**, 32, 231-240	1.9	5
42	Engineering Intracellularly Retained Gaussia Luciferase Reporters for Improved Biosensing and Molecular Imaging Applications. *ACS Chemical Biology*, **2017**, 12, 2345-2353	4.9	5
41	Simulations of virtual PET/CT 3-D bronchoscopy imaging using a physical porcine lung-heart phantom. *Molecular Imaging and Biology*, **2009**, 11, 275-82	3.8	5
40	Molecular Imaging of Hypoxia-Inducible Factor 1 and von Hippel-Lindau Interaction in Mice. *Molecular Imaging*, **2008**, 7, 7290.2008.00017	3.7	5
39	Toward the Clinical Development and Validation of a Thy1-Targeted Ultrasound Contrast Agent for the Early Detection of Pancreatic Ductal Adenocarcinoma. *Investigative Radiology*, **2020**, 55, 711-721	10.1	5

38	Non-Invasive Photoacoustic Imaging of In Vivo Mice with Erythrocyte Derived Optical Nanoparticles to Detect CAD/MI. *Scientific Reports*, **2020**, 10, 5983	4.9	4
37	Imaging studies for evaluating gene therapy in translational research. *Drug Discovery Today: Technologies*, **2005**, 2, 335-43	7.1	4
36	Molecular imaging of hypoxia-inducible factor 1 alpha and von Hippel-Lindau interaction in mice. *Molecular Imaging*, **2008**, 7, 139-46	3.7	4
35	Real-time point-of-care total protein measurement with a miniaturized optoelectronic biosensor and fast fluorescence-based assay. *Biosensors and Bioelectronics*, **2021**, 180, 112823	11.8	4
34	Minicircles for a two-step blood biomarker and PET imaging early cancer detection strategy. *Journal of Controlled Release*, **2021**, 335, 281-289	11.7	4
33	Intraoperative Molecular Imaging in Lung Cancer: The State of the Art and the Future. *Molecular Therapy*, **2018**, 26, 338-341	11.7	3
32	Comparison of Gaussian and Poisson noise models in a hybrid reference spectrum and principal component analysis algorithm for Raman spectroscopy **2013**,		3
31	Radionuclide Imaging of Reporter Gene Expression **2002**, 799-818		3
30	Noninvasive and Highly Multiplexed Five-Color Tumor Imaging of Multicore Near-Infrared Resonant Surface-Enhanced Raman Nanoparticles. *ACS Nano*, **2021**,	16.7	3
29	Decision analysis for the cost-effective management of recurrent colorectal cancer. *Annals of Surgery*, **2002**, 235, 309-10; author reply 310	7.8	3
28	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. *Neoplasia*, **2021**, 23, 58-67	6.4	3
27	In Vivo Translation of the CIRPI System: Revealing Molecular Pathology of Rabbit Aortic Atherosclerotic Plaques. *Journal of Nuclear Medicine*, **2019**, 60, 1308-1316	8.9	2
26	A First Report on [F]FPRGD PET/CT Imaging in Multiple Myeloma. *Contrast Media and Molecular Imaging*, **2017**, 2017, 6162845	3.2	2
25	Implantable optical biosensor for in vivo molecular imaging **2009**,		2
24	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. *EJNMMI Research*, **2020**, 10, 100	3.6	2
23	Design and evaluation of Raman reporters for the Raman-silent region.. *Nanotheranostics*, **2022**, 6, 1-9	5.6	2
22	Giant Magnetoresistive Nanosensor Analysis of Circulating Tumor DNA Epidermal Growth Factor Receptor Mutations for Diagnosis and Therapy Response Monitoring. *Clinical Chemistry*, **2021**, 67, 534-542	5.5	2
21	A mathematical model of tumor regression and recurrence after therapeutic oncogene inactivation. *Scientific Reports*, **2021**, 11, 1341	4.9	2

20	A Humanized Anti-GPC3 Antibody for Immuno-Positron Emission Tomography Imaging of Orthotopic Mouse Model of Patient-Derived Hepatocellular Carcinoma Xenografts. *Cancers*, **2021**, 13,	6.6	2
19	Whole-body PET Imaging of T-cell Response to Glioblastoma. *Clinical Cancer Research*, **2021**, 27, 6445-6456	12.9	2
18	A brain tumor molecular imaging strategy using a new triple-modality MRI-photoacoustic-Raman nanoparticle **2013**,		1
17	Capture and Genetic Analysis of Circulating Tumor Cells Using a Magnetic Separation Device (Magnetic Sifter). *Methods in Molecular Biology*, **2017**, 1634, 153-162	1.4	1
16	Cellulose nanoparticles: photoacoustic contrast agents that biodegrade to simple sugars **2014**,		1
15	Gold nanorods combine photoacoustic and Raman imaging for detection and treatment of ovarian cancer **2014**,		1
14	Monitoring Gene Therapy by Positron Emission Tomography **2003**, 659-685		1
13	A miniaturized optoelectronic biosensor for real-time point-of-care total protein analysis. *MethodsX* , **2021**, 8, 101414	1.9	1
12	Role of Imaging in Early-Phase Trials **2018**, 129-149		1
11	Imaging Techniques in Drug Development and Clinical Practice187-224		1
10	New synthesis of 6?-[F]fluoromaltotriose for positron emission tomography imaging of bacterial infection. *Journal of Labelled Compounds and Radiopharmaceuticals*, **2020**, 63, 466-475	1.9	0
9	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. *Molecular Imaging*, **2020**, 19, 1536012120939398	3.7	0
8	Multigene profiling of single circulating tumor cells. *Molecular and Cellular Oncology*, **2017**, 4, e1289295	1.2	
7	Reply: Optimizing Strategies for Immune Checkpoint Imaging with Immuno-PET in Preclinical Study. *Journal of Nuclear Medicine*, **2018**, 59, 711-712	8.9	
6	Development of Appropriate Imaging Methods to Trace Cell Fate, Engraftment, and Cell Survival **2015**, 529-537		
5	Molecular Imaging **2007**, 193-229		
4	Nuclear Imaging of Endogenous Markers of Lymphocyte Response **2022**, 15-59		
3	Bioluminescence Imaging of Systemic Tumor Targeting Using a Prostate-Specific Lentiviral Vector. *Human Gene Therapy*, **2005**, 051215125756002	4.8	

2	Multiplexed Raman Imaging in Tissues and Living Organisms. *Methods in Molecular Biology*, **2021**, 2350, 331-340	1.4
1	An approach for optimizing gold nanoparticles for possible medical applications, using correlative electron energy loss and Raman spectroscopies on electron beam lithographically fabricated arrays. *Journal of Materials Research*, **2021**, 36, 3383	2.5