Ophir Vermesh

List of Publications by Year
in descending order

154 papers	10,741 citations	38720 50 h-index	34964 98 g-index
159 all docs	159 docs citations	159 times ranked	16515 citing authors

#	Article	IF	Citations
1	Assessment of Tumor Redox Status through (*S*)-4-(3-[18F]fluoropropyl)-L-Glutamic Acid PET Imaging of System xcˉ Activity. Cancer Research, 2022, 79, 853-863.	0.4	42
2	Design and evaluation of Raman reporters for the Raman-silent region. Nanotheranostics, 2022, 6, 1-9.	2.7	8
3	Nuclear Imaging of Endogenous Markers of Lymphocyte Response. , 2022, , 15-59.		1
4	Early detection of cancer. Science, 2022, 375, eaay9040.	6.0	291
5	Multiparameter Longitudinal Imaging of Immune Cell Activity in Chimeric Antigen Receptor T Cell and Checkpoint Blockade Therapies. ACS Central Science, 2022, 8, 590-602.	5.3	15
6	Molecular Imaging of Chimeric Antigen Receptor T Cells by ICOS-ImmunoPET. Clinical Cancer Research, 2021, 27, 1058-1068.	3.2	53
7	Real-time point-of-care total protein measurement with a miniaturized optoelectronic biosensor and fast fluorescence-based assay. Biosensors and Bioelectronics, 2021, 180, 112823.	5.3	9
8	Tumor treating fields (TTFields) impairs aberrant glycolysis in glioblastoma as evaluated by [18F]DASA-23, a non-invasive probe of pyruvate kinase M2 (PKM2) expression. Neoplasia, 2021, 23, 58-67.	2.3	13
9	Giant Magnetoresistive Nanosensor Analysis of Circulating Tumor DNA Epidermal Growth Factor Receptor Mutations for Diagnosis and Therapy Response Monitoring. Clinical Chemistry, 2021, 67, 534-542.	1.5	14
10	A mathematical model of tumor regression and recurrence after therapeutic oncogene inactivation. Scientific Reports, 2021, 11, 1341.	1.6	8
11	Multiplexed Raman Imaging in Tissues and Living Organisms. Methods in Molecular Biology, 2021, 2350, 331-340.	0.4	1
12	A miniaturized optoelectronic biosensor for real-time point-of-care total protein analysis. MethodsX, 2021, 8, 101414.	0.7	3
13	Molecular imaging of a fluorescent antibody against epidermal growth factor receptor detects high-grade glioma. Scientific Reports, 2021, 11, 5710.	1.6	15
14	Continuous health monitoring: An opportunity for precision health. Science Translational Medicine, 2021, 13, .	5.8	39
15	Multiparametric Photoacoustic Analysis of Human Thyroid Cancers *In Vivo*. Cancer Research, 2021, 81, 4849-4860.	0.4	72
16	Minicircles for a two-step blood biomarker and PET imaging early cancer detection strategy. Journal of Controlled Release, 2021, 335, 281-289.	4.8	6
17	A Humanized Anti-GPC3 Antibody for Immuno-Positron Emission Tomography Imaging of Orthotopic Mouse Model of Patient-Derived Hepatocellular Carcinoma Xenografts. Cancers, 2021, 13, 3977.	1.7	8
18	Whole-body PET Imaging of T-cell Response to Glioblastoma. Clinical Cancer Research, 2021, 27, 6445-6456.	3.2	10

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19	An approach for optimizing gold nanoparticles for possible medical applications, using correlative electron energy loss and Raman spectroscopies on electron beam lithographically fabricated arrays. Journal of Materials Research, 2021, 36, 3383.	1.2	0
20	PET Imaging of TIGIT Expression on Tumor-Infiltrating Lymphocytes. Clinical Cancer Research, 2021, 27, 1932-1940.	3.2	25
21	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, .	3.3	38
22	Noninvasive and Highly Multiplexed Five-Color Tumor Imaging of Multicore Near-Infrared Resonant Surface-Enhanced Raman Nanoparticles *In Vivo*. ACS Nano, 2021, 15, 19956-19969.	7.3	19
23	In Vivo Evaluation of Near-Infrared Fluorescent Probe for TIM3 Targeting in Mouse Glioma. Molecular Imaging and Biology, 2021, , 1.	1.3	2
24	Simultaneous PET/MRI in the Evaluation of Breast and Prostate Cancer Using Combined Na[18F] F and [18F]FDG: a Focus on Skeletal Lesions. Molecular Imaging and Biology, 2020, 22, 397-406.	1.3	14
25	Evaluation of Glycolytic Response to Multiple Classes of Anti-glioblastoma Drugs by Noninvasive Measurement of Pyruvate Kinase M2 Using [18F]DASA-23. Molecular Imaging and Biology, 2020, 22, 124-133.	1.3	13
26	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.	3.5	11
27	PET Reporter Gene Imaging and Ganciclovir-Mediated Ablation of Chimeric Antigen Receptor T Cells in Solid Tumors. Cancer Research, 2020, 80, 4731-4740.	0.4	24
28	Clinical Evaluation of (4S)-4-(3-[18F]Fluoropropyl)-L-glutamate (18F-FSPG) for PET/CT Imaging in Patients with Newly Diagnosed and Recurrent Prostate Cancer. Clinical Cancer Research, 2020, 26, 5380-5387.	3.2	15
29	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, 153601212093939.	0.7	3
30	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.	0.4	21
31	Reduction Triggered *In Situ* Polymerization in Living Mice. Journal of the American Chemical Society, 2020, 142, 15575-15584.	6.6	42
32	Intravital imaging reveals synergistic effect of CAR T-cells and radiation therapy in a preclinical immunocompetent glioblastoma model. OncoImmunology, 2020, 9, 1757360.	2.1	46
33	Isotopically Encoded Nanotags for Multiplexed Ion Beam Imaging. Advanced Materials Technologies, 2020, 5, 2000098.	3.0	2
34	PET Imaging of the Natural Killer Cell Activation Receptor NKp30. Journal of Nuclear Medicine, 2020, 61, 1348-1354.	2.8	19
35	The Project Baseline Health Study: a step towards a broader mission to map human health. Npj Digital Medicine, 2020, 3, 84.	5.7	38
36	A mountable toilet system for personalized health monitoring via the analysis of excreta. Nature Biomedical Engineering, 2020, 4, 624-635.	11.6	112

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37	Radiotheranostics: a roadmap for future development. Lancet Oncology, The, 2020, 21, e146-e156.	5.1	151
38	SP94-Targeted Triblock Copolymer Nanoparticle Delivers Thymidine Kinase–p53–Nitroreductase Triple Therapeutic Gene and Restores Anticancer Function against Hepatocellular Carcinoma in Vivo. ACS Applied Materials & Interfaces, 2020, 12, 11307-11319.	4.0	27
39	Reconstructed Apoptotic Bodies as Targeted "Nano Decoys" to Treat Intracellular Bacterial Infections within Macrophages and Cancer Cells. ACS Nano, 2020, 14, 5818-5835.	7.3	52
40	Viral Delivery of CAR Targets to Solid Tumors Enables Effective Cell Therapy. Molecular Therapy - Oncolytics, 2020, 17, 232-240.	2.0	37
41	Non-Invasive Photoacoustic Imaging of In Vivo Mice with Erythrocyte Derived Optical Nanoparticles to Detect CAD/MI. Scientific Reports, 2020, 10, 5983.	1.6	7
42	Trop2 is a driver of metastatic prostate cancer with neuroendocrine phenotype via PARP1. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2032-2042.	3.3	85
43	ICOS Is an Indicator of T-cell–Mediated Response to Cancer Immunotherapy. Cancer Research, 2020, 80, 3023-3032.	0.4	72
44	Molecular Imaging of Chimeric Antigen Receptor T Cells By ICOS-Immunopet. Blood, 2020, 136, 5-6.	0.6	3
45	Initial evaluation of (4S)-4-(3-[18F]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.	1.1	10
46	Continuous-Wave Coherent Raman Spectroscopy via Plasmonic Enhancement. Scientific Reports, 2019, 9, 12092.	1.6	10
47	Ultrasound/microbubble-mediated targeted delivery of anticancer microRNA-loaded nanoparticles to deep tissues in pigs. Journal of Controlled Release, 2019, 309, 1-10.	4.8	48
48	Intranasal delivery of targeted polyfunctional gold–iron oxide nanoparticles loaded with therapeutic microRNAs for combined theranostic multimodality imaging and presensitization of glioblastoma to temozolomide. Biomaterials, 2019, 218, 119342.	5.7	159
49	Biodegradable Fluorescent Nanoparticles for Endoscopic Detection of Colorectal Carcinogenesis. Advanced Functional Materials, 2019, 29, 1904992.	7.8	28
50	Evaluation of integrin $\alpha v\beta 6$ cystine knot PET tracers to detect cancer and idiopathic pulmonary fibrosis. Nature Communications, 2019, 10, 4673.	5.8	73
51	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.	1.0	6
52	Simultaneous transrectal ultrasound and photoacoustic human prostate imaging. Science Translational Medicine, 2019, 11, .	5.8	87
53	Photoacoustic clinical imaging. Photoacoustics, 2019, 14, 77-98.	4.4	368
54	Engineered immune cells as highly sensitive cancer diagnostics. Nature Biotechnology, 2019, 37, 531-539.	9.4	101

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55	In Vivo Translation of the CIRPI System: Revealing Molecular Pathology of Rabbit Aortic Atherosclerotic Plaques. Journal of Nuclear Medicine, 2019, 60, 1308-1316.	2.8	2
56	Detection of Premalignant Gastrointestinal Lesions Using Surface-Enhanced Resonance Raman Scatteringâ€"Nanoparticle Endoscopy. ACS Nano, 2019, 13, 1354-1364.	7.3	40
57	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.	3.2	30
58	Detection of visually occult metastatic lymph nodes using molecularly targeted fluorescent imaging during surgical resection of pancreatic cancer. Hpb, 2019, 21, 883-890.	0.1	28
59	Nanomedicine for Spontaneous Brain Tumors: A Companion Clinical Trial. ACS Nano, 2019, 13, 2858-2869.	7.3	41
60	Toward achieving precision health. Science Translational Medicine, 2018, 10, .	5.8	134
61	Intraoperative Pancreatic Cancer Detection using Tumor-Specific Multimodality Molecular Imaging. Annals of Surgical Oncology, 2018, 25, 1880-1888.	0.7	127
62	Molecular imaging agents for ultrasound. Current Opinion in Chemical Biology, 2018, 45, 113-120.	2.8	60
63	Smartâ€Dustâ€Nanorice for Enhancement of Endogenous Raman Signal, Contrast in Photoacoustic Imaging, and T2â€Shortening in Magnetic Resonance Imaging. Small, 2018, 14, e1703683.	5.2	8
64	Intraoperative Molecular Imaging in Lung Cancer: The State of the Art and the Future. Molecular Therapy, 2018, 26, 338-341.	3.7	5
65	Eradication of spontaneous malignancy by local immunotherapy. Science Translational Medicine, 2018, 10, .	5.8	289
66	Dosimetry Prediction for Clinical Translation of 64Cu-Pembrolizumab ImmunoPET Targeting Human PD-1 Expression. Scientific Reports, 2018, 8, 633.	1.6	41
67	Development and Preclinical Validation of a Cysteine Knottin Peptide Targeting Integrin Î±vÎ²6 for Near-infrared Fluorescent-guided Surgery in Pancreatic Cancer. Clinical Cancer Research, 2018, 24, 1667-1676.	3.2	34
68	Thy1-Targeted Microbubbles for Ultrasound Molecular Imaging of Pancreatic Ductal Adenocarcinoma. Clinical Cancer Research, 2018, 24, 1574-1585.	3.2	32
69	[18F]FSPG-PET reveals increased cystine/glutamate antiporter (xc-) activity in a mouse model of multiple sclerosis. Journal of Neuroinflammation, 2018, 15, 55.	3.1	21
70	Prospective Evaluation of 68Ga-RM2 PET/MRI in Patients with Biochemical Recurrence of Prostate Cancer and Negative Findings on Conventional Imaging. Journal of Nuclear Medicine, 2018, 59, 803-808.	2.8	70
71	Deactivated CRISPR Associated Protein 9 for Minor-Allele Enrichment in Cell-Free DNA. Clinical Chemistry, 2018, 64, 307-316.	1.5	30
72	Striatal dopamine deficits predict reductions in striatal functional connectivity in major depression: a concurrent 11C-raclopride positron emission tomography and functional magnetic resonance imaging investigation. Translational Psychiatry, 2018, 8, 264.	2.4	44

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73	Tumor treating fields increases membrane permeability in glioblastoma cells. Cell Death Discovery, 2018, 4, 113.	2.0	79
74	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.	7.3	170
75	Surface-Enhanced Raman Scattering Nanoparticles for Multiplexed Imaging of Bladder Cancer Tissue Permeability and Molecular Phenotype. ACS Nano, 2018, 12, 9669-9679.	7.3	81
76	An intravascular magnetic wire for the high-throughput retrieval of circulating tumour cells in vivo. Nature Biomedical Engineering, 2018, 2, 696-705.	11.6	92
77	A Dual-Modality Hybrid Imaging System Harnesses Radioluminescence and Sound to Reveal Molecular Pathology of Atherosclerotic Plaques. Scientific Reports, 2018, 8, 8992.	1.6	8
78	Imaging activated T cells predicts response to cancer vaccines. Journal of Clinical Investigation, 2018, 128, 2569-2580.	3.9	114
79	Tumor characterization by ultrasound-release of multiple protein and microRNA biomarkers, preclinical and clinical evidence. PLoS ONE, 2018, 13, e0194268.	1.1	12
80	Tracking T Cell Activation By OX40 Immuno-PET: A Novel Strategy for Imaging of Graft Versus Host Disease. Blood, 2018, 132, 4527-4527.	0.6	0
81	Reporter gene imaging of targeted T cell immunotherapy in recurrent glioma. Science Translational Medicine, 2017, 9, .	5.8	263
82	Cancer diagnostics: On-target probes for early detection. Nature Biomedical Engineering, 2017, 1, .	11.6	8
83	Towards clinically translatable in vivo nanodiagnostics. Nature Reviews Materials, 2017, 2, .	23.3	255
84	Regulatory Aspects of Optical Methods and Exogenous Targets for Cancer Detection. Cancer Research, 2017, 77, 2197-2206.	0.4	74
85	Biodistribution and Radiation Dosimetry of ^{18}F-FTC-146 in Humans. Journal of Nuclear Medicine, 2017, 58, 2004-2009.	2.8	34
86	Radiosynthesis and First-In-Human PET/MRI Evaluation with Clinical-Grade [18F]FTC-146. Molecular Imaging and Biology, 2017, 19, 779-786.	1.3	25
87	Multigene profiling of single circulating tumor cells. Molecular and Cellular Oncology, 2017, 4, e1289295.	0.3	1
88	Longitudinal Monitoring of Antibody Responses against Tumor Cells Using Magneto-nanosensors with a Nanoliter of Blood. Nano Letters, 2017, 17, 6644-6652.	4.5	13
89	Capture and Genetic Analysis of Circulating Tumor Cells Using a Magnetic Separation Device (Magnetic Sifter). Methods in Molecular Biology, 2017, 1634, 153-162.	0.4	1
90	Engineering Intracellularly Retained Gaussia Luciferase Reporters for Improved Biosensing and Molecular Imaging Applications. ACS Chemical Biology, 2017, 12, 2345-2353.	1.6	13

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91	Imaging B Cells in a Mouse Model of Multiple Sclerosis Using ^{64}Cu-Rituximab PET. Journal of Nuclear Medicine, 2017, 58, 1845-1851.	2.8	35
92	Synergistic inhibition of glioma cell proliferation by Withaferin A and tumor treating fields. Journal of Neuro-Oncology, 2017, 134, 259-268.	1.4	25
93	Withaferin A and its potential role in glioblastoma (GBM). Journal of Neuro-Oncology, 2017, 131, 201-211.	1.4	20
94	[18F]GE-180 PET Detects Reduced Microglia Activation After LM11A-31 Therapy in a Mouse Model of Alzheimer's Disease. Theranostics, 2017, 7, 1422-1436.	4.6	64
95	A First Report on [18F]FPRGD$_2$ PET/CT Imaging in Multiple Myeloma. Contrast Media and Molecular Imaging, 2017, 2017, 1-7.	0.4	4
96	Visualizing Nerve Injury in a Neuropathic Pain Model with [18F]FTC-146 PET/MRI. Theranostics, 2017, 7, 2794-2805.	4.6	46
97	High-throughput full-length single-cell mRNA-seq of rare cells. PLoS ONE, 2017, 12, e0188510.	1.1	7
98	Quantitative photoacoustic image reconstruction improves accuracy in deep tissue structures. Biomedical Optics Express, 2016, 7, 3811.	1.5	17
99	Protein biomarkers on tissue as imaged via MALDI mass spectrometry: A systematic approach to study the limits of detection. Proteomics, 2016, 16, 1660-1669.	1.3	12
100	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.	3.3	90
101	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.	1.3	27
102	A transgenic mouse model expressing an ERα folding biosensor reveals the effects of Bisphenol A on estrogen receptor signaling. Scientific Reports, 2016, 6, 34788.	1.6	17
103	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, 815-825.	3.6	12
104	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, 826-836.	3.6	12
105	Characterization of Physiologic ^{18}F FSPG Uptake in Healthy Volunteers. Radiology, 2016, 279, 898-905.	3.6	15
106	Targeted superparamagnetic iron oxide nanoparticles for early detection of cancer: Possibilities and challenges. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 287-307.	1.7	145
107	[18F]FPRGD2 PET/CT imaging of integrin $\alpha v \beta 3$ levels in patients with locally advanced rectal carcinoma. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 654-662.	3.3	16
108	Comparison of Deconvolution Filters for Photoacoustic Tomography. PLoS ONE, 2016, 11, e0152597.	1.1	30

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109	Diketopyrrolopyrrole‐Based Semiconducting Polymer Nanoparticles for In Vivo Photoacoustic Imaging. Advanced Materials, 2015, 27, 5184-5190.	11.1	305
110	Theranostic Mesoporous Silica Nanoparticles Biodegrade after Pro-Survival Drug Delivery and Ultrasound/Magnetic Resonance Imaging of Stem Cells. Theranostics, 2015, 5, 631-642.	4.6	172
111	A Magnetic Bead-Based Sensor for the Quantification of Multiple Prostate Cancer Biomarkers. PLoS ONE, 2015, 10, e0139484.	1.1	15
112	^{18}F-FPRGD2 PET/CT Imaging of Integrin $\alpha_v\beta_3$ in Renal Carcinomas: Correlation with Histopathology. Journal of Nuclear Medicine, 2015, 56, 361-364.	2.8	31
113	Sol–Gel Synthesis and Electrospraying of Biodegradable $(P_2O_5)_{55}$–$(CaO)_{30}$–$(Na_2O)_{15}$ Glass Nanospheres as a Transient Contrast Agent for Ultrasound Stem Cell Imaging. ACS Nano, 2015, 9, 1868-1877.	7.3	55
114	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, 3068-3073.	3.3	46
115	Androgen Receptor Splice Variants Dimerize to Transactivate Target Genes. Cancer Research, 2015, 75, 3663-3671.	0.4	158
116	Multitarget, quantitative nanoplasmonic electrical field-enhanced resonating device (NE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (< States of America, 2015, 112, E4354-63.	3.3	56
117	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, 3896-3905.	3.2	48
118	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. Journal of Nuclear Medicine, 2015, 56, 311-316.	2.8	47
119	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, 335-346.	3.2	24
120	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, 191-198.	3.6	20
121	18F-FPRGD2 PET/CT imaging of musculoskeletal disorders. Annals of Nuclear Medicine, 2015, 29, 839-847.	1.2	10
122	Multiscale Framework for Imaging Radiolabeled Therapeutics. Molecular Pharmaceutics, 2015, 12, 4554-4560.	2.3	14
123	Novel Radiotracer for ImmunoPET Imaging of PD-1 Checkpoint Expression on Tumor Infiltrating Lymphocytes. Bioconjugate Chemistry, 2015, 26, 2062-2069.	1.8	139
124	Photoacoustic Tomography Detects Early Vessel Regression and Normalization During Ovarian Tumor Response to the Antiangiogenic Therapy Trebananib. Journal of Nuclear Medicine, 2015, 56, 1942-1947.	2.8	72
125	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.	3.3	299
126	A correlative optical microscopy and scanning electron microscopy approach to locating nanoparticles in brain tumors. Micron, 2015, 68, 70-76.	1.1	27

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127	Optical coherence contrast imaging using gold nanorods in living mice eyes. Clinical and Experimental Ophthalmology, 2015, 43, 358-366.	1.3	60
128	A Real-Time Clinical Endoscopic System for Intraluminal, Multiplexed Imaging of Surface-Enhanced Raman Scattering Nanoparticles. PLoS ONE, 2015, 10, e0123185.	1.1	106
129	Predictive Modeling of Drug Response in Non-Hodgkin'â€™s Lymphoma. PLoS ONE, 2015, 10, e0129433.	1.1	24
130	Development of a High-Throughput Molecular Imaging-Based Orthotopic Hepatocellular Carcinoma Model. Cureus, 2015, 7, e281.	0.2	1
131	DD-03 * THE NATURALLY OCCURRING STEROID, WITHAFERIN A, IN SYNERGISTIC CONCERT WITH HER2/EGFR INHIBITORS ABROGATES PROLIFERATION OF HUMAN GLIOBLASTOMA CELL CULTURES AT NANOMOLAR CONCENTRATIONS. Neuro-Oncology, 2014, 16, v60-v60.	0.6	0
132	Cerenkov Luminescence Endoscopy: Improved Molecular Sensitivity with β^{-}-Emitting Radiotracers. Journal of Nuclear Medicine, 2014, 55, 1905-1909.	2.8	39
133	Imaging of hepatocellular carcinoma patient-derived xenografts using 89Zr-labeled anti-glypican-3 monoclonal antibody. Biomaterials, 2014, 35, 6964-6971.	5.7	39
134	A tunable silkâ€"alginate hydrogel scaffold for stem cell culture and transplantation. Biomaterials, 2014, 35, 3736-3743.	5.7	80
135	Semiconducting polymer nanoparticles as photoacoustic molecular imaging probes in living mice. Nature Nanotechnology, 2014, 9, 233-239.	15.6	1,057
136	Cellulose nanoparticles are a biodegradable photoacoustic contrast agent for use in living mice. Photoacoustics, 2014, 2, 119-127.	4.4	48
137	Tracking Cellular and Immune Therapies in Cancer. Advances in Cancer Research, 2014, 124, 257-296.	1.9	25
138	A High-Affinity, High-Stability Photoacoustic Agent for Imaging Gastrin-Releasing Peptide Receptor in Prostate Cancer. Clinical Cancer Research, 2014, 20, 3721-3729.	3.2	39
139	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.	0.1	14
140	Use of ^{64}Cu-labeled Fibronectin Domain with EGFR-Overexpressing Tumor Xenograft: Molecular Imaging. Radiology, 2012, 263, 179-188.	3.6	53
141	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, 839-849.	3.2	95
142	Nondestructive, serial in vivo imaging of a tissue-flap using a tissue adhesion barrier. Intravital, 2012, 1, 69-76.	2.0	7
143	New Positron Emission Tomography (PET) Radioligand for Imaging σ-1 Receptors in Living Subjects. Journal of Medicinal Chemistry, 2012, 55, 8272-8282.	2.9	81
144	First Experience with Clinical-Grade [18F]FPP(RGD)2: An Automated Multi-step Radiosynthesis for Clinical PET Studies. Molecular Imaging and Biology, 2012, 14, 88-95.	1.3	73

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145	High-Density, Multiplexed Patterning of Cells at Single-Cell Resolution for Tissue Engineering and Other Applications. Angewandte Chemie - International Edition, 2011, 50, 7378-7380.	7.2	57
146	Reply to: The diagnostic accuracy of 18F-FDG PET in cutaneous malignant melanoma. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 1436-1437.	3.3	29
147	A self-powered, one-step chip for rapid, quantitative and multiplexed detection of proteins from pinpricks of whole blood. Lab on A Chip, 2010, 10, 3157.	3.1	85
148	Targeted Contrast-Enhanced Ultrasound Imaging of Tumor Angiogenesis with Contrast Microbubbles Conjugated to Integrin-Binding Knottin Peptides. Journal of Nuclear Medicine, 2010, 51, 433-440.	2.8	156
149	Self-powered microfluidic chips for multiplexed protein assays from whole blood. Lab on A Chip, 2009, 9, 2016.	3.1	69
150	The Synthesis of 18F-FDS and Its Potential Application in Molecular Imaging. Molecular Imaging and Biology, 2008, 10, 92-98.	1.3	53
151	Integrated barcode chips for rapid, multiplexed analysis of proteins in microliter quantities of blood. Nature Biotechnology, 2008, 26, 1373-1378.	9.4	507
152	Preclinical Efficacy of the c-Met Inhibitor CE-355621 in a U87 MG Mouse Xenograft Model Evaluated by ^{18}F-FDG Small-Animal PET. Journal of Nuclear Medicine, 2008, 49, 129-134.	2.8	201
153	Bioluminescent Imaging of Melanoma in Live Mice. Journal of Investigative Dermatology, 2005, 125, 159-165.	0.3	48
154	Hysteresis Caused by Water Molecules in Carbon Nanotube Field-Effect Transistors. Nano Letters, 2003, 3, 193-198.	4.5	890