

Ophir Vermesh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

153
papers

7,726
citations

44
h-index

85
g-index

159
ext. papers

9,401
ext. citations

10.4
avg, IF

6.09
L-index

#	Paper	IF	Citations
153	Nuclear Imaging of Endogenous Markers of Lymphocyte Response 2022 , 15-59		
152	Design and evaluation of Raman reporters for the Raman-silent region.. <i>Nanotheranostics</i> , 2022 , 6, 1-9	5.6	2
151	Early detection of cancer.. <i>Science</i> , 2022 , 375, eaay9040	33.3	27
150	Noninvasive and Highly Multiplexed Five-Color Tumor Imaging of Multicore Near-Infrared Resonant Surface-Enhanced Raman Nanoparticles. <i>ACS Nano</i> , 2021 ,	16.7	3
149	In Vivo Evaluation of Near-Infrared Fluorescent Probe for TIM3 Targeting in Mouse Glioma. <i>Molecular Imaging and Biology</i> , 2021 , 1	3.8	0
148	A protease-activated, near-infrared fluorescent probe for early endoscopic detection of premalignant gastrointestinal lesions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	8
147	Molecular imaging of a fluorescent antibody against epidermal growth factor receptor detects high-grade glioma. <i>Scientific Reports</i> , 2021 , 11, 5710	4.9	6
146	Continuous health monitoring: An opportunity for precision health. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	11
145	Multiparametric Photoacoustic Analysis of Human Thyroid Cancers. <i>Cancer Research</i> , 2021 , 81, 4849-4860	10.1	20
144	Molecular Imaging of Chimeric Antigen Receptor T Cells by ICOS-ImmunoPET. <i>Clinical Cancer Research</i> , 2021 , 27, 1058-1068	12.9	21
143	Real-time point-of-care total protein measurement with a miniaturized optoelectronic biosensor and fast fluorescence-based assay. <i>Biosensors and Bioelectronics</i> , 2021 , 180, 112823	11.8	4
142	Tumor treating fields (TTFields) impairs aberrant glycolysis in glioblastoma as evaluated by [F]DASA-23, a non-invasive probe of pyruvate kinase M2 (PKM2) expression. <i>Neoplasia</i> , 2021 , 23, 58-67	6.4	3
141	Giant Magnetoresistive Nanosensor Analysis of Circulating Tumor DNA Epidermal Growth Factor Receptor Mutations for Diagnosis and Therapy Response Monitoring. <i>Clinical Chemistry</i> , 2021 , 67, 534-542	5.5	2
140	A mathematical model of tumor regression and recurrence after therapeutic oncogene inactivation. <i>Scientific Reports</i> , 2021 , 11, 1341	4.9	2
139	Multiplexed Raman Imaging in Tissues and Living Organisms. <i>Methods in Molecular Biology</i> , 2021 , 2350, 331-340	1.4	
138	A miniaturized optoelectronic biosensor for real-time point-of-care total protein analysis. <i>MethodsX</i> , 2021 , 8, 101414	1.9	1
137	Minicircles for a two-step blood biomarker and PET imaging early cancer detection strategy. <i>Journal of Controlled Release</i> , 2021 , 335, 281-289	11.7	4

136	A Humanized Anti-GPC3 Antibody for Immuno-Positron Emission Tomography Imaging of Orthotopic Mouse Model of Patient-Derived Hepatocellular Carcinoma Xenografts. <i>Cancers</i> , 2021 , 13, 6.6 2
135	Whole-body PET Imaging of T-cell Response to Glioblastoma. <i>Clinical Cancer Research</i> , 2021 , 27, 6445-6456, 6.9 2
134	An approach for optimizing gold nanoparticles for possible medical applications, using correlative electron energy loss and Raman spectroscopies on electron beam lithographically fabricated arrays. <i>Journal of Materials Research</i> , 2021 , 36, 3383 2.5
133	PET Imaging of TIGIT Expression on Tumor-Infiltrating Lymphocytes. <i>Clinical Cancer Research</i> , 2021 , 27, 1932-1940 12.9 8
132	Intravital imaging reveals synergistic effect of CAR T-cells and radiation therapy in a preclinical immunocompetent glioblastoma model. <i>Onc Immunology</i> , 2020 , 9, 1757360 7.2 18
131	Isotopically Encoded Nanotags for Multiplexed Ion Beam Imaging. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000098 6.8 0
130	PET Imaging of the Natural Killer Cell Activation Receptor NKp30. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 1348-1354 8.9 11
129	The Project Baseline Health Study: a step towards a broader mission to map human health. <i>Npj Digital Medicine</i> , 2020 , 3, 84 15.7 10
128	A mountable toilet system for personalized health monitoring via the analysis of excreta. <i>Nature Biomedical Engineering</i> , 2020 , 4, 624-635 19 59
127	Radiotheranostics: a roadmap for future development. <i>Lancet Oncology, The</i> , 2020 , 21, e146-e156 21.7 59
126	SP94-Targeted Triblock Copolymer Nanoparticle Delivers Thymidine Kinase-p53-Nitroreductase Triple Therapeutic Gene and Restores Anticancer Function against Hepatocellular Carcinoma in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 11307-11319 9.5 16
125	Reconstructed Apoptotic Bodies as Targeted "Nano Decoys" to Treat Intracellular Bacterial Infections within Macrophages and Cancer Cells. <i>ACS Nano</i> , 2020 , 14, 5818-5835 16.7 25
124	Viral Delivery of CAR Targets to Solid Tumors Enables Effective Cell Therapy. <i>Molecular Therapy - Oncolytics</i> , 2020 , 17, 232-240 6.4 18
123	Non-Invasive Photoacoustic Imaging of In Vivo Mice with Erythrocyte Derived Optical Nanoparticles to Detect CAD/MI. <i>Scientific Reports</i> , 2020 , 10, 5983 4.9 4
122	Trop2 is a driver of metastatic prostate cancer with neuroendocrine phenotype via PARP1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 2032-2042 11.5 38
121	Molecular Imaging of Chimeric Antigen Receptor T Cells By ICOS-Immunopet. <i>Blood</i> , 2020 , 136, 5-6 2.2 2
120	Initial evaluation of (4S)-4-(3-[F]fluoropropyl)-L-glutamate (FSPG) PET/CT imaging in patients with head and neck cancer, colorectal cancer, or non-Hodgkin lymphoma. <i>EJNMMI Research</i> , 2020 , 10, 100 3.6 2
119	Toward the Clinical Development and Validation of a Thy1-Targeted Ultrasound Contrast Agent for the Early Detection of Pancreatic Ductal Adenocarcinoma. <i>Investigative Radiology</i> , 2020 , 55, 711-721 10.1 5

118	PET Reporter Gene Imaging and Ganciclovir-Mediated Ablation of Chimeric Antigen Receptor T Cells in Solid Tumors. <i>Cancer Research</i> , 2020 , 80, 4731-4740	10.1	10
117	Clinical Evaluation of (4S)-4-(3-[F]Fluoropropyl)-L-glutamate (F-FSPG) for PET/CT Imaging in Patients with Newly Diagnosed and Recurrent Prostate Cancer. <i>Clinical Cancer Research</i> , 2020 , 26, 5380-5387	12.9	7
116	Two Patient Studies of a Companion Diagnostic Immuno-Positron Emission Tomography (PET) Tracer for Measuring Human CA6 Expression in Cancer for Antibody Drug Conjugate (ADC) Therapy. <i>Molecular Imaging</i> , 2020 , 19, 1536012120939398	3.7	0
115	Visualization of Activated T Cells by OX40-ImmunoPET as a Strategy for Diagnosis of Acute Graft-versus-Host Disease. <i>Cancer Research</i> , 2020 , 80, 4780-4790	10.1	7
114	Reduction Triggered Polymerization in Living Mice. <i>Journal of the American Chemical Society</i> , 2020 , 142, 15575-15584	16.4	15
113	Simultaneous PET/MRI in the Evaluation of Breast and Prostate Cancer Using Combined Na[F] F and [F]FDG: a Focus on Skeletal Lesions. <i>Molecular Imaging and Biology</i> , 2020 , 22, 397-406	3.8	10
112	Evaluation of Glycolytic Response to Multiple Classes of Anti-glioblastoma Drugs by Noninvasive Measurement of Pyruvate Kinase M2 Using [F]DASA-23. <i>Molecular Imaging and Biology</i> , 2020 , 22, 124-133	3.8	8
111	ICOS Is an Indicator of T-cell-Mediated Response to Cancer Immunotherapy. <i>Cancer Research</i> , 2020 , 80, 3023-3032	10.1	36
110	Simultaneous transrectal ultrasound and photoacoustic human prostate imaging. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	45
109	Photoacoustic clinical imaging. <i>Photoacoustics</i> , 2019 , 14, 77-98	9	194
108	Engineered immune cells as highly sensitive cancer diagnostics. <i>Nature Biotechnology</i> , 2019 , 37, 531-539	44.5	59
107	In Vivo Translation of the CIRPI System: Revealing Molecular Pathology of Rabbit Aortic Atherosclerotic Plaques. <i>Journal of Nuclear Medicine</i> , 2019 , 60, 1308-1316	8.9	2
106	Continuous-Wave Coherent Raman Spectroscopy via Plasmonic Enhancement. <i>Scientific Reports</i> , 2019 , 9, 12092	4.9	9
105	Ultrasound/microbubble-mediated targeted delivery of anticancer microRNA-loaded nanoparticles to deep tissues in pigs. <i>Journal of Controlled Release</i> , 2019 , 309, 1-10	11.7	31
104	Intranasal delivery of targeted polyfunctional gold-iron oxide nanoparticles loaded with therapeutic microRNAs for combined theranostic multimodality imaging and presensitization of glioblastoma to temozolomide. <i>Biomaterials</i> , 2019 , 218, 119342	15.6	88
103	Biodegradable fluorescent nanoparticles for endoscopic detection of colorectal carcinogenesis. <i>Advanced Functional Materials</i> , 2019 , 29, 1904992	15.6	11
102	Evaluation of integrin α 5 β 1-cysteine knot PET tracers to detect cancer and idiopathic pulmonary fibrosis. <i>Nature Communications</i> , 2019 , 10, 4673	17.4	39
101	Engineering of a novel subnanomolar affinity fibronectin III domain binder targeting human programmed death-ligand 1. <i>Protein Engineering, Design and Selection</i> , 2019 , 32, 231-240	1.9	5

100	Detection of visually occult metastatic lymph nodes using molecularly targeted fluorescent imaging during surgical resection of pancreatic cancer. <i>Hpb</i> , 2019 , 21, 883-890	3.8	15
99	Nanomedicine for Spontaneous Brain Tumors: A Companion Clinical Trial. <i>ACS Nano</i> , 2019 , 13, 2858-2869	6.7	30
98	Assessment of Tumor Redox Status through ()-4-(3-[F]fluoropropyl)-L-Glutamic Acid PET Imaging of System x Activity. <i>Cancer Research</i> , 2019 , 79, 853-863	10.1	25
97	Detection of Premalignant Gastrointestinal Lesions Using Surface-Enhanced Resonance Raman Scattering-Nanoparticle Endoscopy. <i>ACS Nano</i> , 2019 , 13, 1354-1364	16.7	25
96	A Novel Engineered Small Protein for Positron Emission Tomography Imaging of Human Programmed Death Ligand-1: Validation in Mouse Models and Human Cancer Tissues. <i>Clinical Cancer Research</i> , 2019 , 25, 1774-1785	12.9	19
95	Toward achieving precision health. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	90
94	Intraoperative Pancreatic Cancer Detection using Tumor-Specific Multimodality Molecular Imaging. <i>Annals of Surgical Oncology</i> , 2018 , 25, 1880-1888	3.1	83
93	Molecular imaging agents for ultrasound. <i>Current Opinion in Chemical Biology</i> , 2018 , 45, 113-120	9.7	40
92	Smart-Dust-Nanorice for Enhancement of Endogenous Raman Signal, Contrast in Photoacoustic Imaging, and T2-Shortening in Magnetic Resonance Imaging. <i>Small</i> , 2018 , 14, e1703683	11	6
91	Intraoperative Molecular Imaging in Lung Cancer: The State of the Art and the Future. <i>Molecular Therapy</i> , 2018 , 26, 338-341	11.7	3
90	Eradication of spontaneous malignancy by local immunotherapy. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	212
89	Dosimetry Prediction for Clinical Translation of Cu-Pembrolizumab ImmunoPET Targeting Human PD-1 Expression. <i>Scientific Reports</i> , 2018 , 8, 633	4.9	29
88	Development and Preclinical Validation of a Cysteine Knottin Peptide Targeting Integrin $\alpha 8 \beta 1$ for Near-infrared Fluorescent-guided Surgery in Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2018 , 24, 1667-1676	12.9	27
87	Thy1-Targeted Microbubbles for Ultrasound Molecular Imaging of Pancreatic Ductal Adenocarcinoma. <i>Clinical Cancer Research</i> , 2018 , 24, 1574-1585	12.9	21
86	[F]FSPG-PET reveals increased cystine/glutamate antiporter (xc-) activity in a mouse model of multiple sclerosis. <i>Journal of Neuroinflammation</i> , 2018 , 15, 55	10.1	13
85	Prospective Evaluation of Ga-RM2 PET/MRI in Patients with Biochemical Recurrence of Prostate Cancer and Negative Findings on Conventional Imaging. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 803-808	8.9	46
84	Deactivated CRISPR Associated Protein 9 for Minor-Allele Enrichment in Cell-Free DNA. <i>Clinical Chemistry</i> , 2018 , 64, 307-316	5.5	19
83	An intravascular magnetic wire for the high-throughput retrieval of circulating tumour cells in vivo. <i>Nature Biomedical Engineering</i> , 2018 , 2, 696-705	19	59

82	A Dual-Modality Hybrid Imaging System Harnesses Radioluminescence and Sound to Reveal Molecular Pathology of Atherosclerotic Plaques. <i>Scientific Reports</i> , 2018 , 8, 8992	4.9	7
81	Imaging activated T cells predicts response to cancer vaccines. <i>Journal of Clinical Investigation</i> , 2018 , 128, 2569-2580	15.9	74
80	Tumor characterization by ultrasound-release of multiple protein and microRNA biomarkers, preclinical and clinical evidence. <i>PLoS ONE</i> , 2018 , 13, e0194268	3.7	8
79	Tracking T Cell Activation By OX40 Immuno-PET: A Novel Strategy for Imaging of Graft Versus Host Disease. <i>Blood</i> , 2018 , 132, 4527-4527	2.2	
78	Striatal dopamine deficits predict reductions in striatal functional connectivity in major depression: a concurrent C-raclopride positron emission tomography and functional magnetic resonance imaging investigation. <i>Translational Psychiatry</i> , 2018 , 8, 264	8.6	30
77	Tumor treating fields increases membrane permeability in glioblastoma cells. <i>Cell Death Discovery</i> , 2018 , 4, 113	6.9	33
76	Tumor Cell-Derived Extracellular Vesicle-Coated Nanocarriers: An Efficient Theranostic Platform for the Cancer-Specific Delivery of Anti-miR-21 and Imaging Agents. <i>ACS Nano</i> , 2018 , 12, 10817-10832	16.7	104
75	Surface-Enhanced Raman Scattering Nanoparticles for Multiplexed Imaging of Bladder Cancer Tissue Permeability and Molecular Phenotype. <i>ACS Nano</i> , 2018 , 12, 9669-9679	16.7	49
74	Reporter gene imaging of targeted T cell immunotherapy in recurrent glioma. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	196
73	Towards clinically translatable nanodiagnostics. <i>Nature Reviews Materials</i> , 2017 , 2,	73.3	178
72	Regulatory Aspects of Optical Methods and Exogenous Targets for Cancer Detection. <i>Cancer Research</i> , 2017 , 77, 2197-2206	10.1	52
71	Biodistribution and Radiation Dosimetry of F-FTC-146 in Humans. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 2004-2009	8.9	25
70	Radiosynthesis and First-In-Human PET/MRI Evaluation with Clinical-Grade [F]FTC-146. <i>Molecular Imaging and Biology</i> , 2017 , 19, 779-786	3.8	17
69	Multigene profiling of single circulating tumor cells. <i>Molecular and Cellular Oncology</i> , 2017 , 4, e1289295	1.2	
68	Longitudinal Monitoring of Antibody Responses against Tumor Cells Using Magneto-nanosensors with a Nanoliter of Blood. <i>Nano Letters</i> , 2017 , 17, 6644-6652	11.5	11
67	A First Report on [F]FPRGD PET/CT Imaging in Multiple Myeloma. <i>Contrast Media and Molecular Imaging</i> , 2017 , 2017, 6162845	3.2	2
66	Visualizing Nerve Injury in a Neuropathic Pain Model with [F]FTC-146 PET/MRI. <i>Theranostics</i> , 2017 , 7, 2794-2805	12.1	29
65	Capture and Genetic Analysis of Circulating Tumor Cells Using a Magnetic Separation Device (Magnetic Sifter). <i>Methods in Molecular Biology</i> , 2017 , 1634, 153-162	1.4	1

64	Engineering Intracellularly Retained Gaussia Luciferase Reporters for Improved Biosensing and Molecular Imaging Applications. <i>ACS Chemical Biology</i> , 2017 , 12, 2345-2353	4.9	5
63	Imaging B Cells in a Mouse Model of Multiple Sclerosis Using Cu-Rituximab PET. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 1845-1851	8.9	26
62	Synergistic inhibition of glioma cell proliferation by Withaferin A and tumor treating fields. <i>Journal of Neuro-Oncology</i> , 2017 , 134, 259-268	4.8	16
61	Withaferin A and its potential role in glioblastoma (GBM). <i>Journal of Neuro-Oncology</i> , 2017 , 131, 201-211	4.8	15
60	[F]GE-180 PET Detects Reduced Microglia Activation After LM11A-31 Therapy in a Mouse Model of Alzheimer's Disease. <i>Theranostics</i> , 2017 , 7, 1422-1436	12.1	44
59	High-throughput full-length single-cell mRNA-seq of rare cells. <i>PLoS ONE</i> , 2017 , 12, e0188510	3.7	7
58	A transgenic mouse model expressing an ER folding biosensor reveals the effects of Bisphenol A on estrogen receptor signaling. <i>Scientific Reports</i> , 2016 , 6, 34788	4.9	14
57	Multimodality Molecular Imaging of Cardiac Cell Transplantation: Part I. Reporter Gene Design, Characterization, and Optical in Vivo Imaging of Bone Marrow Stromal Cells after Myocardial Infarction. <i>Radiology</i> , 2016 , 280, 815-25	20.5	10
56	Multimodality Molecular Imaging of Cardiac Cell Transplantation: Part II. In Vivo Imaging of Bone Marrow Stromal Cells in Swine with PET/CT and MR Imaging. <i>Radiology</i> , 2016 , 280, 826-36	20.5	8
55	Characterization of Physiologic (18)F FSPG Uptake in Healthy Volunteers. <i>Radiology</i> , 2016 , 279, 898-905	20.5	11
54	Targeted superparamagnetic iron oxide nanoparticles for early detection of cancer: Possibilities and challenges. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 287-307	6	112
53	[(18)F]FPRGD2 PET/CT imaging of integrin $\alpha\beta$ levels in patients with locally advanced rectal carcinoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 43, 654-62	8.8	15
52	Comparison of Deconvolution Filters for Photoacoustic Tomography. <i>PLoS ONE</i> , 2016 , 11, e0152597	3.7	22
51	Quantitative photoacoustic image reconstruction improves accuracy in deep tissue structures. <i>Biomedical Optics Express</i> , 2016 , 7, 3811-3825	3.5	11
50	Protein biomarkers on tissue as imaged via MALDI mass spectrometry: A systematic approach to study the limits of detection. <i>Proteomics</i> , 2016 , 16, 1660-9	4.8	9
49	Molecular profiling of single circulating tumor cells from lung cancer patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E8379-E8386	11.5	79
48	A Clinical Wide-Field Fluorescence Endoscopic Device for Molecular Imaging Demonstrating Cathepsin Protease Activity in Colon Cancer. <i>Molecular Imaging and Biology</i> , 2016 , 18, 820-829	3.8	17
47	Detecting cancers through tumor-activatable minicircles that lead to a detectable blood biomarker. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 3068-73	11.5	32

46	Androgen Receptor Splice Variants Dimerize to Transactivate Target Genes. <i>Cancer Research</i> , 2015 , 75, 3663-71	10.1	122
45	Multitarget, quantitative nanoplasmonic electrical field-enhanced resonating device (NE2RD) for diagnostics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E4354-63	11.5	49
44	A Systematic Comparison of 18F-C-SNAT to Established Radiotracer Imaging Agents for the Detection of Tumor Response to Treatment. <i>Clinical Cancer Research</i> , 2015 , 21, 3896-905	12.9	42
43	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. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 311-6	8.9	36
42	18F-FAZA PET imaging response tracks the reoxygenation of tumors in mice upon treatment with the mitochondrial complex I inhibitor BAY 87-2243. <i>Clinical Cancer Research</i> , 2015 , 21, 335-46	12.9	21
41	Development and Validation of an Immuno-PET Tracer as a Companion Diagnostic Agent for Antibody-Drug Conjugate Therapy to Target the CA6 Epitope. <i>Radiology</i> , 2015 , 276, 191-8	20.5	14
40	¹⁸ F-FPRGD1 PET/CT imaging of musculoskeletal disorders. <i>Annals of Nuclear Medicine</i> , 2015 , 29, 839-47	2.5	9
39	Multiscale Framework for Imaging Radiolabeled Therapeutics. <i>Molecular Pharmaceutics</i> , 2015 , 12, 4554-606	6.0	13
38	Novel Radiotracer for ImmunoPET Imaging of PD-1 Checkpoint Expression on Tumor Infiltrating Lymphocytes. <i>Bioconjugate Chemistry</i> , 2015 , 26, 2062-9	6.3	109
37	Photoacoustic Tomography Detects Early Vessel Regression and Normalization During Ovarian Tumor Response to the Antiangiogenic Therapy Trebananib. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 1942-7	8.9	57
36	Engineering high-affinity PD-1 variants for optimized immunotherapy and immuno-PET imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E6506-14	11.5	205
35	A correlative optical microscopy and scanning electron microscopy approach to locating nanoparticles in brain tumors. <i>Micron</i> , 2015 , 68, 70-76	2.3	22
34	Optical coherence contrast imaging using gold nanorods in living mice eyes. <i>Clinical and Experimental Ophthalmology</i> , 2015 , 43, 358-66	2.4	53
33	Diketopyrrolopyrrole-Based Semiconducting Polymer Nanoparticles for In Vivo Photoacoustic Imaging. <i>Advanced Materials</i> , 2015 , 27, 5184-90	24	256
32	Theranostic mesoporous silica nanoparticles biodegrade after pro-survival drug delivery and ultrasound/magnetic resonance imaging of stem cells. <i>Theranostics</i> , 2015 , 5, 631-42	12.1	146
31	A Magnetic Bead-Based Sensor for the Quantification of Multiple Prostate Cancer Biomarkers. <i>PLoS ONE</i> , 2015 , 10, e0139484	3.7	10
30	18F-FPRGD2 PET/CT imaging of integrin $\alpha_5\beta_1$ in renal carcinomas: correlation with histopathology. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 361-4	8.9	27
29	Sol-gel synthesis and electrospinning of biodegradable (P2O5) ₅₅ -(CaO) ₃₀ -(Na ₂ O) ₁₅ glass nanospheres as a transient contrast agent for ultrasound stem cell imaging. <i>ACS Nano</i> , 2015 , 9, 1868-1877	16.7	50

28	A real-time clinical endoscopic system for intraluminal, multiplexed imaging of surface-enhanced Raman scattering nanoparticles. <i>PLoS ONE</i> , 2015 , 10, e0123185	3.7	79
27	Predictive Modeling of Drug Response in Non-Hodgkin's Lymphoma. <i>PLoS ONE</i> , 2015 , 10, e0129433	3.7	22
26	Development of a High-Throughput Molecular Imaging-Based Orthotopic Hepatocellular Carcinoma Model. <i>Cureus</i> , 2015 , 7, e281	1.2	1
25	A tunable silk-alginate hydrogel scaffold for stem cell culture and transplantation. <i>Biomaterials</i> , 2014 , 35, 3736-43	15.6	72
24	Semiconducting polymer nanoparticles as photoacoustic molecular imaging probes in living mice. <i>Nature Nanotechnology</i> , 2014 , 9, 233-9	28.7	898
23	Cellulose Nanoparticles are a Biodegradable Photoacoustic Contrast Agent for Use in Living Mice. <i>Photoacoustics</i> , 2014 , 2, 119-127	9	39
22	Tracking cellular and immune therapies in cancer. <i>Advances in Cancer Research</i> , 2014 , 124, 257-96	5.9	24
21	A high-affinity, high-stability photoacoustic agent for imaging gastrin-releasing peptide receptor in prostate cancer. <i>Clinical Cancer Research</i> , 2014 , 20, 3721-9	12.9	32
20	DD-03THE NATURALLY OCCURRING STEROID, WITHA FERIN A, IN SYNERGISTIC CONCERT WITH HER2/EGFR INHIBITORS ABROGATES PROLIFERATION OF HUMAN GLIOBLASTOMA CELL CULTURES AT NANOMOLAR CONCENTRATIONS. <i>Neuro-Oncology</i> , 2014 , 16, v60-v60	1	78
19	Cerenkov luminescence endoscopy: improved molecular sensitivity with β -emitting radiotracers. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 1905-9	8.9	31
18	Imaging of hepatocellular carcinoma patient-derived xenografts using ^{125}I -labeled anti-glypican-3 monoclonal antibody. <i>Biomaterials</i> , 2014 , 35, 6964-71	15.6	30
17	Advanced Characterization Techniques for Nanoparticles for Cancer Research: Applications of SEM and NanoSIMS for Locating Au Nanoparticles in Cells. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1569, 157-163		11
16	First experience with clinical-grade (^{18}F)FPP(RGD) an automated multi-step radiosynthesis for clinical PET studies. <i>Molecular Imaging and Biology</i> , 2012 , 14, 88-95	3.8	67
15	New positron emission tomography (PET) radioligand for imaging β_1 receptors in living subjects. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 8272-8282	8.3	59
14	Use of (^{64}Cu)-labeled fibronectin domain with EGFR-overexpressing tumor xenograft: molecular imaging. <i>Radiology</i> , 2012 , 263, 179-88	20.5	50
13	Pharmacokinetically stabilized cystine knot peptides that bind α -v- β -6 integrin with single-digit nanomolar affinities for detection of pancreatic cancer. <i>Clinical Cancer Research</i> , 2012 , 18, 839-49	12.9	83
12	Nondestructive, serial in vivo imaging of a tissue-flap using a tissue adhesion barrier. <i>Intravital</i> , 2012 , 1, 69-76		7
11	High-Density, Multiplexed Patterning of Cells at Single-Cell Resolution for Tissue Engineering and Other Applications. <i>Angewandte Chemie</i> , 2011 , 123, 7516-7518	3.6	12

10	High-density, multiplexed patterning of cells at single-cell resolution for tissue engineering and other applications. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7378-80	16.4	50
9	A self-powered, one-step chip for rapid, quantitative and multiplexed detection of proteins from pinpricks of whole blood. <i>Lab on A Chip</i> , 2010 , 10, 3157-62	7.2	80
8	Targeted contrast-enhanced ultrasound imaging of tumor angiogenesis with contrast microbubbles conjugated to integrin-binding knottin peptides. <i>Journal of Nuclear Medicine</i> , 2010 , 51, 433-40	8.9	127
7	Reply to: The diagnostic accuracy of 18F-FDG PET in cutaneous malignant melanoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010 , 37, 1436-1437	8.8	27
6	Self-powered microfluidic chips for multiplexed protein assays from whole blood. <i>Lab on A Chip</i> , 2009 , 9, 2016-20	7.2	65
5	Integrated barcode chips for rapid, multiplexed analysis of proteins in microliter quantities of blood. <i>Nature Biotechnology</i> , 2008 , 26, 1373-8	44.5	451
4	Preclinical efficacy of the c-Met inhibitor CE-355621 in a U87 MG mouse xenograft model evaluated by 18F-FDG small-animal PET. <i>Journal of Nuclear Medicine</i> , 2008 , 49, 129-134	8.9	191
3	The synthesis of 18F-FDS and its potential application in molecular imaging. <i>Molecular Imaging and Biology</i> , 2008 , 10, 92-98	3.8	39
2	Bioluminescent imaging of melanoma in live mice. <i>Journal of Investigative Dermatology</i> , 2005 , 125, 159-165	14.5	42
1	Hysteresis Caused by Water Molecules in Carbon Nanotube Field-Effect Transistors. <i>Nano Letters</i> , 2003 , 3, 193-198	11.5	808