

# Ramasamy Paulmurugan

## List of Publications by Year in descending order

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Version: 2024-02-01

157  
papers

5,729  
citations

66234

42  
h-index

91712

69  
g-index

167  
all docs

167  
docs citations

167  
times ranked

7481  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasound-Guided Microbubble-Mediated Locoregional Delivery of Multiple MicroRNAs Improves Chemotherapy in Hepatocellular Carcinoma. <i>Nanotheranostics</i> , 2022, 6, 62-78.	2.7	7
2	Local Sound Speed Estimation for Pulse-Echo Ultrasound in Layered Media. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2022, 69, 500-511.	1.7	17
3	Dynamic Ligand Screening by Magnetic Nanoassembly Modulates Stem Cell Differentiation. <i>Advanced Materials</i> , 2022, 34, e2105460.	11.1	23
4	Noninvasive estimation of local speed of sound by pulse-echo ultrasound in a rat model of nonalcoholic fatty liver. <i>Physics in Medicine and Biology</i> , 2022, 67, 015007.	1.6	13
5	Contrast Enhanced Ultrasound Molecular Imaging of Spontaneous Chronic Inflammatory Bowel Disease in an Interleukin-2 Receptor $\beta^{-/-}$ Transgenic Mouse Model Using Targeted Microbubbles. <i>Nanomaterials</i> , 2022, 12, 280.	1.9	2
6	In situ T-cell transfection by anti-CD3-conjugated lipid nanoparticles leads to T-cell activation, migration, and phenotypic shift. <i>Biomaterials</i> , 2022, 281, 121339.	5.7	36
7	Receptor-Level Proximity and Fastening of Ligands Modulates Stem Cell Differentiation. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	11
8	Manipulating Nanoparticle Aggregates Regulates Receptor-Ligand Binding in Macrophages. <i>Journal of the American Chemical Society</i> , 2022, 144, 5769-5783.	6.6	28
9	Functionalized Nanomaterials as Tailored Theranostic Agents in Brain Imaging. <i>Nanomaterials</i> , 2022, 12, 18.	1.9	18
10	Engineered Cell-Derived Vesicles Displaying Targeting Peptide and Functionalized with Nanocarriers for Therapeutic microRNA Delivery to Triple-Negative Breast Cancer in Mice. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101387.	3.9	8
11	FN3 linked nanobubbles as a targeted contrast agent for US imaging of cancer-associated human PD-L1. <i>Journal of Controlled Release</i> , 2022, 346, 317-327.	4.8	9
12	Submolecular Ligand Size and Spacing for Cell Adhesion. <i>Advanced Materials</i> , 2022, 34, e2110340.	11.1	13
13	Label-free discrimination of tumorigenesis stages using in vitro prostate cancer bone metastasis model by Raman imaging. <i>Scientific Reports</i> , 2022, 12, 8050.	1.6	6
14	Biomimetic nanobubbles for triple-negative breast cancer targeted ultrasound molecular imaging. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	14
15	Inhaled Gold Nano-Star Carriers for Targeted Delivery of Triple Suicide Gene Therapy and Therapeutic MicroRNAs to Lung Metastases: Development and Validation in a Small Animal Model. <i>Advanced Therapeutics</i> , 2022, 5, .	1.6	7
16	A rationally identified panel of microRNAs targets multiple oncogenic pathways to enhance chemotherapeutic effects in glioblastoma models. <i>Scientific Reports</i> , 2022, 12, .	1.6	7
17	Therapeutic Ultrasound Parameter Optimization for Drug Delivery Applied to a Murine Model of Hepatocellular Carcinoma. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 309-322.	0.7	10
18	Current status of targeted microbubbles in diagnostic molecular imaging of pancreatic cancer. <i>Bioengineering and Translational Medicine</i> , 2021, 6, e10183.	3.9	15

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19	Ferroptosis Inducers Are a Novel Therapeutic Approach for Advanced Prostate Cancer. <i>Cancer Research</i> , 2021, 81, 1583-1594.	0.4	140
20	High-Throughput Whole-Plate Imaging of Cells for Multiple Biological Applications. <i>Methods in Molecular Biology</i> , 2021, 2274, 367-384.	0.4	0
21	Molecular Imaging of Gene Therapy. , 2021, , 787-810.		0
22	Highly Bright NIR-BRET System for Imaging Molecular Events in Live Cells. <i>Methods in Molecular Biology</i> , 2021, 2274, 247-259.	0.4	0
23	Molecular Imaging of Protein-Protein Interactions and Protein Folding. , 2021, , 897-928.		2
24	Ligand-Activatable BRET9 Probes for Imaging Molecular Events in Living Mammalian Cells. <i>Methods in Molecular Biology</i> , 2021, 2274, 261-270.	0.4	0
25	A Priori Activation of Apoptosis Pathways of Tumor (AAAPT) technology: Development of targeted apoptosis initiators for cancer treatment. <i>PLoS ONE</i> , 2021, 16, e0225869.	1.1	4
26	Remote Switching of Elastic Movement of Decorated Ligand Nanostructures Controls the Adhesion-Regulated Polarization of Host Macrophages. <i>Advanced Functional Materials</i> , 2021, 31, 2008698.	7.8	15
27	Bioluminescent Imaging Systems for Assay Developments. <i>Analytical Sciences</i> , 2021, 37, 233-247.	0.8	19
28	Remote Control of Time-Regulated Stretching of Ligand-Presenting Nanocoils In Situ Regulates the Cyclic Adhesion and Differentiation of Stem Cells. <i>Advanced Materials</i> , 2021, 33, e2008353.	11.1	31
29	Magnetic Nanocoils: Remote Control of Time-Regulated Stretching of Ligand-Presenting Nanocoils In Situ Regulates the Cyclic Adhesion and Differentiation of Stem Cells ( <i>Adv. Mater.</i> 11/2021). <i>Advanced Materials</i> , 2021, 33, 2170084.	11.1	0
30	Diagnosis for COVID-19: current status and future prospects. <i>Expert Review of Molecular Diagnostics</i> , 2021, 21, 269-288.	1.5	29
31	Ultrasound Triggered Co-Delivery of Therapeutic MicroRNAs and a Triple Suicide Gene Therapy Vector by Using Biocompatible Polymer Nanoparticles for Improved Cancer Therapy in Mouse Models. <i>Advanced Therapeutics</i> , 2021, 4, 2000197.	1.6	4
32	Cardio Phenotypic Potential of Mesenchymal Stem Cells. <i>Current Protocols</i> , 2021, 1, e62.	1.3	0
33	Passive Cavitation Mapping by Cavitation Source Localization From Aperture-Domain Signals-Part II: Phantom and In Vivo Experiments. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 1198-1212.	1.7	4
34	Management of COVID-19: current status and future prospects. <i>Microbes and Infection</i> , 2021, 23, 104832.	1.0	18
35	Immunoregulation of Macrophages by Controlling Winding and Unwinding of Nanohelical Ligands. <i>Advanced Functional Materials</i> , 2021, 31, 2103409.	7.8	19
36	Camouflaged Hybrid Cancer Cell-Platelet Fusion Membrane Nanovesicles Deliver Therapeutic MicroRNAs to Presensitize Triple-Negative Breast Cancer to Doxorubicin. <i>Advanced Functional Materials</i> , 2021, 31, 2103600.	7.8	30

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37	Minicircles for a two-step blood biomarker and PET imaging early cancer detection strategy. <i>Journal of Controlled Release</i> , 2021, 335, 281-289.	4.8	6
38	Wearable Collector for Noninvasive Sampling of SARS-CoV-2 from Exhaled Breath for Rapid Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 41445-41453.	4.0	24
39	Advances in Engineered Polymer Nanoparticle Tracking Platforms towards Cancer Immunotherapy—Current Status and Future Perspectives. <i>Vaccines</i> , 2021, 9, 935.	2.1	18
40	Magnetic Control and Real-time Monitoring of Stem Cell Differentiation by the Ligand Nanoassembly. <i>Small</i> , 2021, 17, e2102892.	5.2	22
41	Role of microRNA therapy in presensitizing glioblastoma cells to temozolomide treatment. , 2021, , 667-688.		0
42	Gold-Nanostar-Chitosan-Mediated Delivery of SARS-CoV-2 DNA Vaccine for Respiratory Mucosal Immunization: Development and Proof-of-Principle. <i>ACS Nano</i> , 2021, 15, 17582-17601.	7.3	55
43	A Microfluidics-Based Scalable Approach to Generate Extracellular Vesicles with Enhanced Therapeutic MicroRNA Loading for Intranasal Delivery to Mouse Glioblastomas. <i>ACS Nano</i> , 2021, 15, 18327-18346.	7.3	52
44	Detection and Characterization of Sentinel Lymph Node by Ultrasound Molecular Imaging with B7-H3-Targeted Microbubbles in Orthotopic Breast Cancer Model in Mice. <i>Molecular Imaging and Biology</i> , 2021, , 1.	1.3	7
45	Expression and purification of a native Thy1-single-chain variable fragment for use in molecular imaging. <i>Scientific Reports</i> , 2021, 11, 23026.	1.6	3
46	Ligand-activated BRET9 imaging for measuring protein-protein interactions in living mice. <i>Chemical Communications</i> , 2020, 56, 281-284.	2.2	9
47	The Myocardial Microenvironment Modulates the Biology of Transplanted Mesenchymal Stem Cells. <i>Molecular Imaging and Biology</i> , 2020, 22, 948-957.	1.3	3
48	Toward the Clinical Development and Validation of a Thy1-Targeted Ultrasound Contrast Agent for the Early Detection of Pancreatic Ductal Adenocarcinoma. <i>Investigative Radiology</i> , 2020, 55, 711-721.	3.5	11
49	Ultrasound-mediated delivery of miRNA-122 and anti-miRNA-21 therapeutically immunomodulates murine hepatocellular carcinoma in vivo. <i>Journal of Controlled Release</i> , 2020, 321, 272-284.	4.8	39
50	Acoustically Driven Microbubbles Enable Targeted Delivery of microRNA-Loaded Nanoparticles to Spontaneous Hepatocellular Neoplasia in Canines. <i>Advanced Therapeutics</i> , 2020, 3, 2000120.	1.6	9
51	<p>Combating Intracellular Pathogens with Nanohybrid-Facilitated Antibiotic Delivery</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 8437-8449.	3.3	11
52	SARS-CoV-2 Vaccine Development: An Overview and Perspectives. <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 844-858.	2.5	34
53	Structural and Electronic Transport Properties of Fluorographene Directly Grown on Silicates for Possible Biosensor Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 5399-5409.	2.4	8
54	Highly sensitive eight-channel light sensing system for biomedical applications. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 524-529.	1.6	3

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55	Assessment of Metastatic and Reactive Sentinel Lymph Nodes with B7-H3-Targeted Ultrasound Molecular Imaging: A Longitudinal Study in Mouse Models. <i>Molecular Imaging and Biology</i> , 2020, 22, 1003-1011.	1.3	4
56	SP94-Targeted Triblock Copolymer Nanoparticle Delivers Thymidine Kinase- $\alpha$ -p53-Nitroreductase Triple Therapeutic Gene and Restores Anticancer Function against Hepatocellular Carcinoma in Vivo. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 11307-11319.	4.0	27
57	Reconstructed Apoptotic Bodies as Targeted "Nano Decoys" to Treat Intracellular Bacterial Infections within Macrophages and Cancer Cells. <i>ACS Nano</i> , 2020, 14, 5818-5835.	7.3	52
58	Efficacy of Affibody-Based Ultrasound Molecular Imaging of Vascular B7-H3 for Breast Cancer Detection. <i>Clinical Cancer Research</i> , 2020, 26, 2140-2150.	3.2	23
59	Delayed Intramyocardial Delivery of Stem Cells after Ischemia Reperfusion Injury in a Murine Model. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	0
60	Spectrochemical Probing of MicroRNA Duplex Using Spontaneous Raman Spectroscopy for Biosensing Applications. <i>Analytical Chemistry</i> , 2020, 92, 14423-14431.	3.2	1
61	Abstract 16757: Immunomodulatory Hydrogel Promotes Survival of Mesenchymal Stem Cells in a Rat Model of Myocardial Infarction. <i>Circulation</i> , 2020, 142, .	1.6	0
62	Ultrasound/microbubble-mediated targeted delivery of anticancer microRNA-loaded nanoparticles to deep tissues in pigs. <i>Journal of Controlled Release</i> , 2019, 309, 1-10.	4.8	48
63	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.	5.7	159
64	Evaluation of integrin $\alpha$ 6 cystine knot PET tracers to detect cancer and idiopathic pulmonary fibrosis. <i>Nature Communications</i> , 2019, 10, 4673.	5.8	73
65	Structural determination of Enzyme-Graphene Nanocomposite Sensor Material. <i>Scientific Reports</i> , 2019, 9, 15519.	1.6	3
66	Chronic Model of Inflammatory Bowel Disease in IL-10 <sup>-/-</sup> Transgenic Mice: Evaluation with Ultrasound Molecular Imaging. <i>Theranostics</i> , 2019, 9, 6031-6046.	4.6	13
67	Microvesicle-Mediated Delivery of Minicircle DNA Results in Effective Gene-Directed Enzyme Prodrug Cancer Therapy. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 2331-2342.	1.9	54
68	The protean world of non-coding RNAs in glioblastoma. <i>Journal of Molecular Medicine</i> , 2019, 97, 909-925.	1.7	20
69	Cell-based biosensors: Recent trends, challenges and future perspectives. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111435.	5.3	194
70	Highly bright and stable NIR-BRET with blue-shifted coelenterazine derivatives for deep-tissue imaging of molecular events <i>in vivo</i> . <i>Theranostics</i> , 2019, 9, 2646-2661.	4.6	31
71	Molecular Imaging of Retinoic Acids in Live Cells Using Single-Chain Bioluminescence Probes. <i>ACS Combinatorial Science</i> , 2019, 21, 473-481.	3.8	5
72	Biodegradable polymers for modern vaccine development. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 77, 12-24.	2.9	43

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73	Near-Infrared Bioluminescence Imaging with a through-Bond Energy Transfer Cassette. <i>ChemBioChem</i> , 2019, 20, 1919-1923.	1.3	15
74	EXTH-28. TARGETED POLYGIIONS ENGINEERED WITH SURFACE miRNAs FOR COMBINED MULTIMODALITY IMAGING AND ENHANCEMENT OF TEMOZOLOMIDE TREATMENT: A NOVEL INTRANASALLY-DELIVERED THERANOSTIC STRATEGY AGAINST GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2019, 21, vi87-vi88.	0.6	0
75	EXTH-30. PRECEDING p53 STABILIZATION USING DOXORUBICIN AUGMENTS PRIMA-1-MEDIATED p53 REFOLDING AND INCREASED CELLULAR APOPTOSIS: EVALUATION OF A SEQUENTIAL COMBINATION THERAPY AGAINST GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2019, 21, vi88-vi88.	0.6	0
76	In vitro Determination of Rapamycin-triggered FKBP-FRB Interactions Using a Molecular Tension Probe. <i>Analytical Sciences</i> , 2019, 35, 71-78.	0.8	7
77	Cell membrane-coated nanocarriers: the emerging targeted delivery system for cancer theranostics. <i>Drug Discovery Today</i> , 2018, 23, 891-899.	3.2	112
78	Ultrasound and Microbubble-Mediated Targeted Delivery of Drug Loaded Nanoparticles to Porcine Liver. , 2018, , .		0
79	A protein folding molecular imaging biosensor monitors the effects of drugs that restore mutant p53 structure and its downstream function in glioblastoma cells. <i>Oncotarget</i> , 2018, 9, 21495-21511.	0.8	11
80	Comparison of cell-based assays to quantify treatment effects of anticancer drugs identifies a new application for Bodipy-L-cystine to measure apoptosis. <i>Scientific Reports</i> , 2018, 8, 16363.	1.6	31
81	Intracellular microRNA quantification in intact cells: a novel strategy based on reduced graphene oxide-based fluorescence quenching. <i>MRS Communications</i> , 2018, 8, 642-651.	0.8	2
82	Restoring guardianship of the genome: Anticancer drug strategies to reverse oncogenic mutant p53 misfolding. <i>Cancer Treatment Reviews</i> , 2018, 71, 19-31.	3.4	7
83	Tumor Cell-Derived Extracellular Vesicle-Coated Nanocarriers: An Efficient Theranostic Platform for the Cancer-Specific Delivery of Anti-miR-21 and Imaging Agents. <i>ACS Nano</i> , 2018, 12, 10817-10832.	7.3	170
84	Longitudinal assessment of ultrasound-guided complementary microRNA therapy of hepatocellular carcinoma. <i>Journal of Controlled Release</i> , 2018, 281, 19-28.	4.8	23
85	Ultrasound-guided delivery of thymidine kinase-nitroreductase dual therapeutic genes by PEGylated-PLGA/PEI nanoparticles for enhanced triple negative breast cancer therapy. <i>Nanomedicine</i> , 2018, 13, 1051-1066.	1.7	33
86	Ferumoxytol-based Dual-modality Imaging Probe for Detection of Stem Cell Transplant Rejection. <i>Nanotheranostics</i> , 2018, 2, 306-319.	2.7	8
87	Multi-organ on a chip for personalized precision medicine. <i>MRS Communications</i> , 2018, 8, 652-667.	0.8	16
88	Bioengineered stem cell membrane functionalized nanocarriers for therapeutic targeting of severe hindlimb ischemia. <i>Biomaterials</i> , 2018, 185, 360-370.	5.7	81
89	Targeted nanoparticle delivery of therapeutic antisense microRNAs presensitizes glioblastoma cells to lower effective doses of temozolomide <i>in vitro</i> and in a mouse model. <i>Oncotarget</i> , 2018, 9, 21478-21494.	0.8	56
90	A Model-Based Personalized Cancer Screening Strategy for Detecting Early-Stage Tumors Using Blood-Borne Biomarkers. <i>Cancer Research</i> , 2017, 77, 2570-2584.	0.4	32

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91	RRx-001: a systemically non-toxic M2-to-M1 macrophage stimulating and prosensitizing agent in Phase II clinical trials. <i>Expert Opinion on Investigational Drugs</i> , 2017, 26, 109-119.	1.9	45
92	Engineering Intracellularly Retained Gaussia Luciferase Reporters for Improved Biosensing and Molecular Imaging Applications. <i>ACS Chemical Biology</i> , 2017, 12, 2345-2353.	1.6	13
93	EXTH-61. TARGETED NANOPARTICLE DELIVERY OF THERAPEUTIC ANTIMIR-21 AND ANTIMIR-10B PRESENSITIZES GLIOBLASTOMA TO LOWER EFFECTIVE DOSES OF TEMOZOLOMIDE IN CELLS AND XENOGRAPHS. <i>Neuro-Oncology</i> , 2017, 19, vi86-vi86.	0.6	0
94	Dynamic Microenvironment Induces Phenotypic Plasticity of Esophageal Cancer Cells Under Flow. <i>Scientific Reports</i> , 2016, 6, 38221.	1.6	32
95	GHR/PRLR Heteromultimer Is Composed of GHR Homodimers and PRLR Homodimers. <i>Molecular Endocrinology</i> , 2016, 30, 504-517.	3.7	13
96	Theranostic Imaging of Cancer Gene Therapy. <i>Methods in Molecular Biology</i> , 2016, 1461, 241-254.	0.4	3
97	Ultrasound-guided therapeutic modulation of hepatocellular carcinoma using complementary microRNAs. <i>Journal of Controlled Release</i> , 2016, 238, 272-280.	4.8	62
98	Tailored Nanoparticle Codelivery of antimiR-21 and antimiR-10b Augments Glioblastoma Cell Kill by Temozolomide: Toward a Personalized Anti-microRNA Therapy. <i>Molecular Pharmaceutics</i> , 2016, 13, 3164-3175.	2.3	43
99	Imaging Histone Methylations in Living Animals. <i>Methods in Molecular Biology</i> , 2016, 1461, 203-215.	0.4	1
100	Gemcitabine and Antisense-microRNA Co-encapsulated PLGA-PEG Polymer Nanoparticles for Hepatocellular Carcinoma Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 33412-33422.	4.0	74
101	Molecular Imaging Biosensor Monitors p53 Sumoylation in Cells and Living Mice. <i>Analytical Chemistry</i> , 2016, 88, 11420-11428.	3.2	2
102	A transgenic mouse model expressing an ER $\beta$ folding biosensor reveals the effects of Bisphenol A on estrogen receptor signaling. <i>Scientific Reports</i> , 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. <i>Radiology</i> , 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. <i>Radiology</i> , 2016, 280, 826-836.	3.6	12
105	A molecular imaging biosensor detects in vivo protein folding and misfolding. <i>Journal of Molecular Medicine</i> , 2016, 94, 799-808.	1.7	5
106	Noninvasive Monitoring of the Mitochondrial Function in Mesenchymal Stromal Cells. <i>Molecular Imaging and Biology</i> , 2016, 18, 510-518.	1.3	6
107	Orlistat and antisense-miRNA-loaded PLGA-PEG nanoparticles for enhanced triple negative breast cancer therapy. <i>Nanomedicine</i> , 2016, 11, 235-247.	1.7	52
108	Temozolomide-loaded PLGA nanoparticles to treat glioblastoma cells: a biophysical and cell culture evaluation. <i>Neurological Research</i> , 2016, 38, 51-59.	0.6	53

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109	Pterostilbene Ameliorates Streptozotocin-Induced Diabetes through Enhancing Antioxidant Signaling Pathways Mediated by Nrf2. <i>Chemical Research in Toxicology</i> , 2016, 29, 47-57.	1.7	64
110	Folate Receptor-Targeted Polymeric Micellar Nanocarriers for Delivery of Orlistat as a Repurposed Drug against Triple-Negative Breast Cancer. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 221-231.	1.9	65
111	Monitoring the Antioxidant Mediated Chemosensitization and ARE-Signaling in Triple Negative Breast Cancer Therapy. <i>PLoS ONE</i> , 2015, 10, e0141913.	1.1	18
112	Genetically Encoded Molecular Biosensors To Image Histone Methylation in Living Animals. <i>Analytical Chemistry</i> , 2015, 87, 892-899.	3.2	23
113	Polymer Nanoparticles Mediated Codelivery of AntimiR-10b and AntimiR-21 for Achieving Triple Negative Breast Cancer Therapy. <i>ACS Nano</i> , 2015, 9, 2290-2302.	7.3	221
114	Core-shell upconversion nanoparticle semiconductor heterostructures for photodynamic therapy. <i>Scientific Reports</i> , 2015, 5, 8252.	1.6	65
115	Degron Protease Blockade Sensor to Image Epigenetic Histone Protein Methylation in Cells and Living Animals. <i>ACS Chemical Biology</i> , 2015, 10, 165-174.	1.6	8
116	Ultrasound-guided delivery of microRNA loaded nanoparticles into cancer. <i>Journal of Controlled Release</i> , 2015, 203, 99-108.	4.8	128
117	Engineering cancer microenvironments for in vitro 3-D tumor models. <i>Materials Today</i> , 2015, 18, 539-553.	8.3	245
118	Formulation of Anti-miR-21 and 4-Hydroxytamoxifen Co-loaded Biodegradable Polymer Nanoparticles and Their Antiproliferative Effect on Breast Cancer Cells. <i>Molecular Pharmaceutics</i> , 2015, 12, 2080-2092.	2.3	50
119	Nanoparticle-Delivered Antisense MicroRNA-21 Enhances the Effects of Temozolomide on Glioblastoma Cells. <i>Molecular Pharmaceutics</i> , 2015, 12, 4509-4517.	2.3	61
120	The emerging role of redox-sensitive Nrf2-Keap1 pathway in diabetes. <i>Pharmacological Research</i> , 2015, 91, 104-114.	3.1	123
121	Nrf2 activity as a potential biomarker for the pan-epigenetic anticancer agent, RRx-001. <i>Oncotarget</i> , 2015, 6, 21547-21556.	0.8	34
122	Development of a High-Throughput Molecular Imaging-Based Orthotopic Hepatocellular Carcinoma Model. <i>Cureus</i> , 2015, 7, e281.	0.2	1
123	Noninvasive Theranostic Imaging of HSV1-sr39TK-NTR/GCV-CB1954 Dual-Prodrug Therapy in Metastatic Lung Lesions of MDA-MB-231 Triple Negative Breast Cancer in Mice. <i>Theranostics</i> , 2014, 4, 460-474.	4.6	25
124	Dynamic Analysis of GH Receptor Conformational Changes by Split Luciferase Complementation. <i>Molecular Endocrinology</i> , 2014, 28, 1807-1819.	3.7	11
125	Polymer nanoparticles for drug and small silencing RNA delivery to treat cancers of different phenotypes. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2014, 6, 40-60.	3.3	59
126	A Titratable Two-Step Transcriptional Amplification Strategy for Targeted Gene Therapy Based on Ligand-Induced Intramolecular Folding of a Mutant Human Estrogen Receptor. <i>Molecular Imaging and Biology</i> , 2014, 16, 224-234.	1.3	7

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127	Noninvasive Reporter Gene Imaging of Human Oct4 (Pluripotency) Dynamics During the Differentiation of Embryonic Stem Cells in Living Subjects. <i>Molecular Imaging and Biology</i> , 2014, 16, 865-876.	1.3	12
128	Targeting SUMOylation Cascade for Diabetes Management. <i>Current Drug Targets</i> , 2014, 15, 1094-1106.	1.0	14
129	Engineered Split Reporter Systems for Molecular Imaging of Protein-Protein Interactions in Living Subjects. , 2014, , 233-256.		0
130	Reporter Protein Complementation Imaging Assay to Screen and Study Nrf2 Activators in Cells and Living Animals. <i>Analytical Chemistry</i> , 2013, 85, 7542-7549.	3.2	46
131	MicroRNAs - A New Generation Molecular Targets for Treating Cellular Diseases. <i>Theranostics</i> , 2013, 3, 927-929.	4.6	21
132	Real Time Dynamic Imaging and Current Targeted Therapies in the War on Cancer: A New Paradigm. <i>Theranostics</i> , 2013, 3, 437-447.	4.6	18
133	Therapeutic Evaluation of microRNAs by Molecular Imaging. <i>Theranostics</i> , 2013, 3, 964-985.	4.6	21
134	3H-Penciclovir (3H-PCV) Uptake Assay. <i>Bio-protocol</i> , 2013, 3, .	0.2	2
135	Biodegradable polymer nanocarriers for therapeutic antisense microRNA delivery in living animals. <i>Proceedings of SPIE</i> , 2012, , .	0.8	8
136	Cationic versus Neutral Microbubbles for Ultrasound-mediated Gene Delivery in Cancer. <i>Radiology</i> , 2012, 264, 721-732.	3.6	99
137	Introduction to Cancer Biology. , 2012, , 3-27.		3
138	Ultrasound-Mediated Gene Delivery with Cationic Versus Neutral Microbubbles: Effect of DNA and Microbubble Dose on <i>In Vivo</i> Transfection Efficiency. <i>Theranostics</i> , 2012, 2, 1078-1091.	4.6	83
139	Imaging Cellular Receptors in Breast Cancers: An Overview. <i>Current Pharmaceutical Biotechnology</i> , 2011, 12, 508-527.	0.9	16
140	In Vitro and in Vivo Molecular Imaging of Estrogen Receptor $\alpha$ and $\beta$ Homo- and Heterodimerization: Exploration of New Modes of Receptor Regulation. <i>Molecular Endocrinology</i> , 2011, 25, 2029-2040.	3.7	40
141	Antioxidants Improve Early Survival of Cardiomyoblasts After Transplantation to the Myocardium. <i>Molecular Imaging and Biology</i> , 2010, 12, 325-334.	1.3	26
142	A molecularly engineered split reporter for imaging protein-protein interactions with positron emission tomography. <i>Nature Medicine</i> , 2010, 16, 921-926.	15.2	61
143	Noninvasive molecular imaging of c-Myc activation in living mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15892-15897.	3.3	38
144	A Novel Estrogen Receptor Intramolecular Folding-based Titratable Transgene Expression System. <i>Molecular Therapy</i> , 2009, 17, 1703-1711.	3.7	8

#	ARTICLE	IF	CITATIONS
145	A Human Estrogen Receptor (ER) $\beta$ Mutation with Differential Responsiveness to Nonsteroidal Ligands: Novel Approaches for Studying Mechanism of ER Action. <i>Molecular Endocrinology</i> , 2008, 22, 1552-1564.	3.7	12
146	US Imaging of Tumor Angiogenesis with Microbubbles Targeted to Vascular Endothelial Growth Factor Receptor Type 2 in Mice. <i>Radiology</i> , 2008, 246, 508-518.	3.6	293
147	Dual-targeted Contrast Agent for US Assessment of Tumor Angiogenesis in Vivo. <i>Radiology</i> , 2008, 248, 936-944.	3.6	206
148	Combinatorial Library Screening for Developing an Improved Split-Firefly Luciferase Fragment-Assisted Complementation System for Studying Protein-Protein Interactions. <i>Analytical Chemistry</i> , 2007, 79, 2346-2353.	3.2	111
149	Reporter gene imaging of protein-protein interactions in living subjects. <i>Current Opinion in Biotechnology</i> , 2007, 18, 31-37.	3.3	81
150	Effects of epigenetic modulation on reporter gene expression: implications for stem cell imaging. <i>FASEB Journal</i> , 2006, 20, 106-108.	0.2	124
151	An intramolecular folding sensor for imaging estrogen receptor-ligand interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15883-15888.	3.3	94
152	Novel Fusion Protein Approach for Efficient High-Throughput Screening of Small Molecule-Mediated Protein-Protein Interactions in Cells and Living Animals. <i>Cancer Research</i> , 2005, 65, 7413-7420.	0.4	65
153	Firefly Luciferase Enzyme Fragment Complementation for Imaging in Cells and Living Animals. <i>Analytical Chemistry</i> , 2005, 77, 1295-1302.	3.2	114
154	Novel Bidirectional Vector Strategy for Amplification of Therapeutic and Reporter Gene Expression. <i>Human Gene Therapy</i> , 2004, 15, 681-690.	1.4	41
155	Molecular Imaging of Drug-Modulated Protein-Protein Interactions in Living Subjects. <i>Cancer Research</i> , 2004, 64, 2113-2119.	0.4	125
156	Molecular imaging of homodimeric protein-protein interactions in living subjects. <i>FASEB Journal</i> , 2004, 18, 1105-1107.	0.2	65
157	Reporter Gene Imaging of Cell Signal Transduction. , 0, , 195-226.		0