Ramasamy Paulmurugan

List of Publications by Year
in descending order

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	US Imaging of Tumor Angiogenesis with Microbubbles Targeted to Vascular Endothelial Growth Factor Receptor Type 2 in Mice. Radiology, 2008, 246, 508-518.	3.6	293
2	Engineering cancer microenvironments for in vitro 3-D tumor models. Materials Today, 2015, 18, 539-553.	8.3	245
3	Polymer Nanoparticles Mediated Codelivery of AntimiR-10b and AntimiR-21 for Achieving Triple Negative Breast Cancer Therapy. ACS Nano, 2015, 9, 2290-2302.	7.3	221
4	Dual-targeted Contrast Agent for US Assessment of Tumor Angiogenesis in Vivo. Radiology, 2008, 248, 936-944.	3.6	206
5	Cell-based biosensors: Recent trends, challenges and future perspectives. Biosensors and Bioelectronics, 2019, 141, 111435.	5.3	194
6	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
7	Intranasal delivery of targeted polyfunctional goldâ€“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
8	Ferroptosis Inducers Are a Novel Therapeutic Approach for Advanced Prostate Cancer. Cancer Research, 2021, 81, 1583-1594.	0.4	140
9	Ultrasound-guided delivery of microRNA loaded nanoparticles into cancer. Journal of Controlled Release, 2015, 203, 99-108.	4.8	128
10	Molecular Imaging of Drug-Modulated Protein-Protein Interactions in Living Subjects. Cancer Research, 2004, 64, 2113-2119.	0.4	125
11	Effects of epigenetic modulation on reporter gene expression: implications for stem cell imaging. FASEB Journal, 2006, 20, 106-108.	0.2	124
12	The emerging role of redox-sensitive Nrf2â€“Keap1 pathway in diabetes. Pharmacological Research, 2015, 91, 104-114.	3.1	123
13	Firefly Luciferase Enzyme Fragment Complementation for Imaging in Cells and Living Animals. Analytical Chemistry, 2005, 77, 1295-1302.	3.2	114
14	Cell membrane-coated nanocarriers: the emerging targeted delivery system for cancer theranostics. Drug Discovery Today, 2018, 23, 891-899.	3.2	112
15	Combinatorial Library Screening for Developing an Improved Split-Firefly Luciferase Fragment-Assisted Complementation System for Studying Proteinâ^'Protein Interactions. Analytical Chemistry, 2007, 79, 2346-2353.	3.2	111
16	Cationic versus Neutral Microbubbles for Ultrasound-mediated Gene Delivery in Cancer. Radiology, 2012, 264, 721-732.	3.6	99
17	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, 15883-15888.	3.3	94
18	Ultrasound-Mediated Gene Delivery with Cationic Versus Neutral Microbubbles: Effect of DNA and Microbubble Dose on In Vivo Transfection Efficiency. Theranostics, 2012, 2, 1078-1091.	4.6	83

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19	Reporter gene imaging of proteinâ€“protein interactions in living subjects. Current Opinion in Biotechnology, 2007, 18, 31-37.	3.3	81
20	Bioengineered stem cell membrane functionalized nanocarriers for therapeutic targeting of severe hindlimb ischemia. Biomaterials, 2018, 185, 360-370.	5.7	81
21	Gemcitabine and Antisense-microRNA Co-encapsulated PLGAâ€“PEG Polymer Nanoparticles for Hepatocellular Carcinoma Therapy. ACS Applied Materials & Interfaces, 2016, 8, 33412-33422.	4.0	74
22	Evaluation of integrin Î±vÎ²6 cystine knot PET tracers to detect cancer and idiopathic pulmonary fibrosis. Nature Communications, 2019, 10, 4673.	5.8	73
23	Molecular imaging of homodimeric proteinâ€“protein interactions in living subjects. FASEB Journal, 2004, 18, 1105-1107.	0.2	65
24	Novel Fusion Protein Approach for Efficient High-Throughput Screening of Small Moleculeâ€“Mediating Protein-Protein Interactions in Cells and Living Animals. Cancer Research, 2005, 65, 7413-7420.	0.4	65
25	Core â€“ shell upconversion nanoparticle â€“ semiconductor heterostructures for photodynamic therapy. Scientific Reports, 2015, 5, 8252.	1.6	65
26	Folate Receptorâ€“Targeted Polymeric Micellar Nanocarriers for Delivery of Orlistat as a Repurposed Drug against Triple-Negative Breast Cancer. Molecular Cancer Therapeutics, 2016, 15, 221-231.	1.9	65
27	Pterostilbene Ameliorates Streptozotocin-Induced Diabetes through Enhancing Antioxidant Signaling Pathways Mediated by Nrf2. Chemical Research in Toxicology, 2016, 29, 47-57.	1.7	64
28	Ultrasound-guided therapeutic modulation of hepatocellular carcinoma using complementary microRNAs. Journal of Controlled Release, 2016, 238, 272-280.	4.8	62
29	A molecularly engineered split reporter for imaging protein-protein interactions with positron emission tomography. Nature Medicine, 2010, 16, 921-926.	15.2	61
30	Nanoparticle-Delivered Antisense MicroRNA-21 Enhances the Effects of Temozolomide on Glioblastoma Cells. Molecular Pharmaceutics, 2015, 12, 4509-4517.	2.3	61
31	Polymer nanoparticles for drug and small silencing <scp>RNA</scp> delivery to treat cancers of different phenotypes. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2014, 6, 40-60.	3.3	59
32	Targeted nanoparticle delivery of therapeutic antisense microRNAs presensitizes glioblastoma cells to lower effective doses of temozolomide in vitro and in a mouse model. Oncotarget, 2018, 9, 21478-21494.	0.8	56
33	Gold-Nanostar-Chitosan-Mediated Delivery of SARS-CoV-2 DNA Vaccine for Respiratory Mucosal Immunization: Development and Proof-of-Principle. ACS Nano, 2021, 15, 17582-17601.	7.3	55
34	Microvesicle-Mediated Delivery of Minicircle DNA Results in Effective Gene-Directed Enzyme Prodrug Cancer Therapy. Molecular Cancer Therapeutics, 2019, 18, 2331-2342.	1.9	54
35	Temozolomide-loaded PLGA nanoparticles to treat glioblastoma cells: a biophysical and cell culture evaluation. Neurological Research, 2016, 38, 51-59.	0.6	53
36	Orlistat and antisense-miRNA-loaded PLGA-PEG nanoparticles for enhanced triple negative breast cancer therapy. Nanomedicine, 2016, 11, 235-247.	1.7	52

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37	Reconstructed Apoptotic Bodies as Targeted â€œNano Decoysâ€•to Treat Intracellular Bacterial Infections within Macrophages and Cancer Cells. ACS Nano, 2020, 14, 5818-5835.	7.3	52
38	A Microfluidics-Based Scalable Approach to Generate Extracellular Vesicles with Enhanced Therapeutic MicroRNA Loading for Intranasal Delivery to Mouse Glioblastomas. ACS Nano, 2021, 15, 18327-18346.	7.3	52
39	Formulation of Anti-miR-21 and 4-Hydroxytamoxifen Co-loaded Biodegradable Polymer Nanoparticles and Their Antiproliferative Effect on Breast Cancer Cells. Molecular Pharmaceutics, 2015, 12, 2080-2092.	2.3	50
40	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
41	Reporter Protein Complementation Imaging Assay to Screen and Study Nrf2 Activators in Cells and Living Animals. Analytical Chemistry, 2013, 85, 7542-7549.	3.2	46
42	RRx-001: a systemically non-toxic M2-to-M1 macrophage stimulating and prosensitizing agent in Phase II clinical trials. Expert Opinion on Investigational Drugs, 2017, 26, 109-119.	1.9	45
43	Tailored Nanoparticle Codelivery of antimiR-21 and antimiR-10b Augments Glioblastoma Cell Kill by Temozolomide: Toward a â€œPersonalizedâ€•Anti-microRNA Therapy. Molecular Pharmaceutics, 2016, 13, 3164-3175.	2.3	43
44	Biodegradable polymers for modern vaccine development. Journal of Industrial and Engineering Chemistry, 2019, 77, 12-24.	2.9	43
45	Novel Bidirectional Vector Strategy for Amplification of Therapeutic and Reporter Gene Expression. Human Gene Therapy, 2004, 15, 681-690.	1.4	41
46	In Vitro and in Vivo Molecular Imaging of Estrogen Receptor Î± and Î² Homo- and Heterodimerization: Exploration of New Modes of Receptor Regulation. Molecular Endocrinology, 2011, 25, 2029-2040.	3.7	40
47	Ultrasound-mediated delivery of miRNA-122 and anti-miRNA-21 therapeutically immunomodulates murine hepatocellular carcinoma in vivo. Journal of Controlled Release, 2020, 321, 272-284.	4.8	39
48	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, 15892-15897.	3.3	38
49	In situ T-cell transfection by anti-CD3-conjugated lipid nanoparticles leads to T-cell activation, migration, and phenotypic shift. Biomaterials, 2022, 281, 121339.	5.7	36
50	SARS-CoV-2 Vaccine Development: An Overview and Perspectives. ACS Pharmacology and Translational Science, 2020, 3, 844-858.	2.5	34
51	Nrf2 activity as a potential biomarker for the pan-epigenetic anticancer agent, RRx-001. Oncotarget, 2015, 6, 21547-21556.	0.8	34
52	Ultrasound-guided delivery of thymidine kinaseâ€“nitroreductase dual therapeutic genes by PEGylated-PLGA/PEI nanoparticles for enhanced triple negative breast cancer therapy. Nanomedicine, 2018, 13, 1051-1066.	1.7	33
53	Dynamic Microenvironment Induces Phenotypic Plasticity of Esophageal Cancer Cells Under Flow. Scientific Reports, 2016, 6, 38221.	1.6	32
54	A Model-Based Personalized Cancer Screening Strategy for Detecting Early-Stage Tumors Using Blood-Borne Biomarkers. Cancer Research, 2017, 77, 2570-2584.	0.4	32

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55	Comparison of cell-based assays to quantify treatment effects of anticancer drugs identifies a new application for Bodipy-L-cystine to measure apoptosis. Scientific Reports, 2018, 8, 16363.	1.6	31
56	Highly bright and stable NIR-BRET with blue-shifted coelenterazine derivatives for deep-tissue imaging of molecular events in vivo. Theranostics, 2019, 9, 2646-2661.	4.6	31
57	Remote Control of Timeâ€Regulated Stretching of Ligandâ€Presenting Nanocoils In Situ Regulates the Cyclic Adhesion and Differentiation of Stem Cells. Advanced Materials, 2021, 33, e2008353.	11.1	31
58	Camouflaged Hybrid Cancer Cellâ€Platelet Fusion Membrane Nanovesicles Deliver Therapeutic MicroRNAs to Presensitize Tripleâ€Negative Breast Cancer to Doxorubicin. Advanced Functional Materials, 2021, 31, 2103600.	7.8	30
59	Diagnosis for COVID-19: current status and future prospects. Expert Review of Molecular Diagnostics, 2021, 21, 269-288.	1.5	29
60	Manipulating Nanoparticle Aggregates Regulates Receptorâ€“Ligand Binding in Macrophages. Journal of the American Chemical Society, 2022, 144, 5769-5783.	6.6	28
61	SP94-Targeted Triblock Copolymer Nanoparticle Delivers Thymidine Kinaseâ€“p53â€“Nitroreductase Triple Therapeutic Gene and Restores Anticancer Function against Hepatocellular Carcinoma in Vivo. ACS Applied Materials & Interfaces, 2020, 12, 11307-11319.	4.0	27
62	Antioxidants Improve Early Survival of Cardiomyoblasts After Transplantation to the Myocardium. Molecular Imaging and Biology, 2010, 12, 325-334.	1.3	26
63	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. Theranostics, 2014, 4, 460-474.	4.6	25
64	Wearable Collector for Noninvasive Sampling of SARS-CoV-2 from Exhaled Breath for Rapid Detection. ACS Applied Materials & Interfaces, 2021, 13, 41445-41453.	4.0	24
65	Genetically Encoded Molecular Biosensors To Image Histone Methylation in Living Animals. Analytical Chemistry, 2015, 87, 892-899.	3.2	23
66	Longitudinal assessment of ultrasound-guided complementary microRNA therapy of hepatocellular carcinoma. Journal of Controlled Release, 2018, 281, 19-28.	4.8	23
67	Efficacy of Affibody-Based Ultrasound Molecular Imaging of Vascular B7-H3 for Breast Cancer Detection. Clinical Cancer Research, 2020, 26, 2140-2150.	3.2	23
68	Dynamic Ligand Screening by Magnetic Nanoassembly Modulates Stem Cell Differentiation. Advanced Materials, 2022, 34, e2105460.	11.1	23
69	Magnetic Control and Realâ€Time Monitoring of Stem Cell Differentiation by the Ligand Nanoassembly. Small, 2021, 17, e2102892.	5.2	22
70	MicroRNAs - A New Generation Molecular Targets for Treating Cellular Diseases. Theranostics, 2013, 3, 927-929.	4.6	21
71	Therapeutic Evaluation of microRNAs by Molecular Imaging. Theranostics, 2013, 3, 964-985.	4.6	21
72	The protean world of non-coding RNAs in glioblastoma. Journal of Molecular Medicine, 2019, 97, 909-925.	1.7	20

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73	Bioluminescent Imaging Systems for Assay Developments. Analytical Sciences, 2021, 37, 233-247.	0.8	19
74	Immunoregulation of Macrophages by Controlling Winding and Unwinding of Nanohelical Ligands. Advanced Functional Materials, 2021, 31, 2103409.	7.8	19
75	Real Time Dynamic Imaging and Current Targeted Therapies in the War on Cancer: A New Paradigm. Theranostics, 2013, 3, 437-447.	4.6	18
76	Monitoring the Antioxidant Mediated Chemosensitization and ARE-Signaling in Triple Negative Breast Cancer Therapy. PLoS ONE, 2015, 10, e0141913.	1.1	18
77	Management of COVID-19: current status and future prospects. Microbes and Infection, 2021, 23, 104832.	1.0	18
78	Advances in Engineered Polymer Nanoparticle Tracking Platforms towards Cancer Immunotherapyâ€"Current Status and Future Perspectives. Vaccines, 2021, 9, 935.	2.1	18
79	Functionalized Nanomaterials as Tailored Theranostic Agents in Brain Imaging. Nanomaterials, 2022, 12, 18.	1.9	18
80	A transgenic mouse model expressing an ERÎ± folding biosensor reveals the effects of Bisphenol A on estrogen receptor signaling. Scientific Reports, 2016, 6, 34788.	1.6	17
81	Local Sound Speed Estimation for Pulse-Echo Ultrasound in Layered Media. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 500-511.	1.7	17
82	Imaging Cellular Receptors in Breast Cancers: An Overview. Current Pharmaceutical Biotechnology, 2011, 12, 508-527.	0.9	16
83	Multi-organ on a chip for personalized precision medicine. MRS Communications, 2018, 8, 652-667.	0.8	16
84	Nearâ€Infrared Bioluminescence Imaging with a throughâ€Bond Energy Transfer Cassette. ChemBioChem, 2019, 20, 1919-1923.	1.3	15
85	Current status of targeted microbubbles in diagnostic molecular imaging of pancreatic cancer. Bioengineering and Translational Medicine, 2021, 6, e10183.	3.9	15
86	Remote Switching of Elastic Movement of Decorated Ligand Nanostructures Controls the Adhesionâ€Regulated Polarization of Host Macrophages. Advanced Functional Materials, 2021, 31, 2008698.	7.8	15
87	Targeting SUMOylation Cascade for Diabetes Management. Current Drug Targets, 2014, 15, 1094-1106.	1.0	14
88	Biomimetic nanobubbles for triple-negative breast cancer targeted ultrasound molecular imaging. Journal of Nanobiotechnology, 2022, 20, .	4.2	14
89	GHR/PRLR Heteromultimer Is Composed of GHR Homodimers and PRLR Homodimers. Molecular Endocrinology, 2016, 30, 504-517.	3.7	13
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	Chronic Model of Inflammatory Bowel Disease in IL-10^{-/-} Transgenic Mice: Evaluation with Ultrasound Molecular Imaging. Theranostics, 2019, 9, 6031-6046.	4.6	13
92	Noninvasive estimation of local speed of sound by pulse-echo ultrasound in a rat model of nonalcoholic fatty liver. Physics in Medicine and Biology, 2022, 67, 015007.	1.6	13
93	Submolecular Ligand Size and Spacing for Cell Adhesion. Advanced Materials, 2022, 34, e2110340.	11.1	13
94	A Human Estrogen Receptor (ER)Î± Mutation with Differential Responsiveness to Nonsteroidal Ligands: Novel Approaches for Studying Mechanism of ER Action. Molecular Endocrinology, 2008, 22, 1552-1564.	3.7	12
95	Noninvasive Reporter Gene Imaging of Human Oct4 (Pluripotency) Dynamics During the Differentiation of Embryonic Stem Cells in Living Subjects. Molecular Imaging and Biology, 2014, 16, 865-876.	1.3	12
96	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
97	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
98	Dynamic Analysis of GH Receptor Conformational Changes by Split Luciferase Complementation. Molecular Endocrinology, 2014, 28, 1807-1819.	3.7	11
99	A protein folding molecular imaging biosensor monitors the effects of drugs that restore mutant p53 structure and its downstream function in glioblastoma cells. Oncotarget, 2018, 9, 21495-21511.	0.8	11
100	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
101	Combating Intracellular Pathogens with Nanohybrid-Facilitated Antibiotic Delivery . International Journal of Nanomedicine, 2020, Volume 15, 8437-8449.	3.3	11
102	Receptorâ€Level Proximity and Fastening of Ligands Modulates Stem Cell Differentiation. Advanced Functional Materials, 2022, 32, .	7.8	11
103	Therapeutic Ultrasound Parameter Optimization for Drug Delivery Applied to a Murine Model of Hepatocellular Carcinoma. Ultrasound in Medicine and Biology, 2021, 47, 309-322.	0.7	10
104	Ligand-activated BRET9 imaging for measuring proteinâ€“protein interactions in living mice. Chemical Communications, 2020, 56, 281-284.	2.2	9
105	Acoustically Driven Microbubbles Enable Targeted Delivery of microRNAâ€Loaded Nanoparticles to Spontaneous Hepatocellular Neoplasia in Canines. Advanced Therapeutics, 2020, 3, 2000120.	1.6	9
106	FN3 linked nanobubbles as a targeted contrast agent for US imaging of cancer-associated human PD-L1. Journal of Controlled Release, 2022, 346, 317-327.	4.8	9
107	A Novel Estrogen Receptor Intramolecular Foldingâ€“based Titratable Transgene Expression System. Molecular Therapy, 2009, 17, 1703-1711.	3.7	8
108	Biodegradable polymer nanocarriers for therapeutic antisense microRNA delivery in living animals. Proceedings of SPIE, 2012, , .	0.8	8

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109	Degron Protease Blockade Sensor to Image Epigenetic Histone Protein Methylation in Cells and Living Animals. ACS Chemical Biology, 2015, 10, 165-174.	1.6	8
110	Ferumoxytol-based Dual-modality Imaging Probe for Detection of Stem Cell Transplant Rejection. Nanotheranostics, 2018, 2, 306-319.	2.7	8
111	Structural and Electronic Transport Properties of Fluorographene Directly Grown on Silicates for Possible Biosensor Applications. ACS Applied Nano Materials, 2020, 3, 5399-5409.	2.4	8
112	Engineered Cellâ€Derived Vesicles Displaying Targeting Peptide and Functionalized with Nanocarriers for Therapeutic microRNA Delivery to Tripleâ€Negative Breast Cancer in Mice. Advanced Healthcare Materials, 2022, 11, e2101387.	3.9	8
113	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, 224-234.	1.3	7
114	Restoring guardianship of the genome: Anticancer drug strategies to reverse oncogenic mutant p53 misfolding. Cancer Treatment Reviews, 2018, 71, 19-31.	3.4	7
115	In vitro Determination of Rapamycin-triggered FKBP-FRB Interactions Using a Molecular Tension Probe. Analytical Sciences, 2019, 35, 71-78.	0.8	7
116	Ultrasound-Guided Microbubble-Mediated Locoregional Delivery of Multiple MicroRNAs Improves Chemotherapy in Hepatocellular Carcinoma. Nanotheranostics, 2022, 6, 62-78.	2.7	7
117	Detection and Characterization of Sentinel Lymph Node by Ultrasound Molecular Imaging with B7-H3-Targeted Microbubbles in Orthotopic Breast Cancer Model in Mice. Molecular Imaging and Biology, 2021, , 1.	1.3	7
118	Inhaled Gold Nanoâ€Star Carriers for Targeted Delivery of Triple Suicide Gene Therapy and Therapeutic MicroRNAs to Lung Metastases: Development and Validation in a Small Animal Model. Advanced Therapeutics, 2022, 5, .	1.6	7
119	A rationally identified panel of microRNAs targets multiple oncogenic pathways to enhance chemotherapeutic effects in glioblastoma models. Scientific Reports, 2022, 12, .	1.6	7
120	Noninvasive Monitoring of the Mitochondrial Function in Mesenchymal Stromal Cells. Molecular Imaging and Biology, 2016, 18, 510-518.	1.3	6
121	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
122	Label-free discrimination of tumorigenesis stages using in vitro prostate cancer bone metastasis model by Raman imaging. Scientific Reports, 2022, 12, 8050.	1.6	6
123	A molecular imaging biosensor detects in vivo protein folding and misfolding. Journal of Molecular Medicine, 2016, 94, 799-808.	1.7	5
124	Molecular Imaging of Retinoic Acids in Live Cells Using Single-Chain Bioluminescence Probes. ACS Combinatorial Science, 2019, 21, 473-481.	3.8	5
125	Assessment of Metastatic and Reactive Sentinel Lymph Nodes with B7-H3-Targeted Ultrasound Molecular Imaging: A Longitudinal Study in Mouse Models. Molecular Imaging and Biology, 2020, 22, 1003-1011.	1.3	4
126	A Priori Activation of Apoptosis Pathways of Tumor (AAAPT) technology: Development of targeted apoptosis initiators for cancer treatment. PLoS ONE, 2021, 16, e0225869.	1.1	4

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127	Ultrasound Triggered Coâ€Delivery of Therapeutic MicroRNAs and a Triple Suicide Gene Therapy Vector by Using Biocompatible Polymer Nanoparticles for Improved Cancer Therapy in Mouse Models. Advanced Therapeutics, 2021, 4, 2000197.	1.6	4
128	Passive Cavitation Mapping by Cavitation Source Localization From Aperture-Domain Signalsâ€”Part II: Phantom and In Vivo Experiments. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1198-1212.	1.7	4
129	Introduction to Cancer Biology. , 2012, , 3-27.		3
130	Theranostic Imaging of Cancer Gene Therapy. Methods in Molecular Biology, 2016, 1461, 241-254.	0.4	3
131	Structural determination of Enzyme-Graphene Nanocomposite Sensor Material. Scientific Reports, 2019, 9, 15519.	1.6	3
132	The Myocardial Microenvironment Modulates the Biology of Transplanted Mesenchymal Stem Cells. Molecular Imaging and Biology, 2020, 22, 948-957.	1.3	3
133	Highly sensitive eight-channel light sensing system for biomedical applications. Photochemical and Photobiological Sciences, 2020, 19, 524-529.	1.6	3
134	Expression and purification of a native Thy1-single-chain variable fragment for use in molecular imaging. Scientific Reports, 2021, 11, 23026.	1.6	3
135	Molecular Imaging Biosensor Monitors p53 Sumoylation in Cells and Living Mice. Analytical Chemistry, 2016, 88, 11420-11428.	3.2	2
136	Intracellular microRNA quantification in intact cells: a novel strategy based on reduced graphene oxide-based fluorescence quenching. MRS Communications, 2018, 8, 642-651.	0.8	2
137	Molecular Imaging of Proteinâ€“Protein Interactions and Protein Folding. , 2021, , 897-928.		2
138	3H-Penciclovir (3H-PCV) Uptake Assay. Bio-protocol, 2013, 3, .	0.2	2
139	Contrast Enhanced Ultrasound Molecular Imaging of Spontaneous Chronic Inflammatory Bowel Disease in an Interleukin-2 Receptor Î±â^'/â^' Transgenic Mouse Model Using Targeted Microbubbles. Nanomaterials, 2022, 12, 280.	1.9	2
140	Imaging Histone Methylations in Living Animals. Methods in Molecular Biology, 2016, 1461, 203-215.	0.4	1
141	Development of a High-Throughput Molecular Imaging-Based Orthotopic Hepatocellular Carcinoma Model. Cureus, 2015, 7, e281.	0.2	1
142	Spectrochemical Probing of MicroRNA Duplex Using Spontaneous Raman Spectroscopy for Biosensing Applications. Analytical Chemistry, 2020, 92, 14423-14431.	3.2	1
143	Reporter Gene Imaging of Cell Signal Transduction. , 0, , 195-226.		0
144	EXTH-61. TARGETED NANOPARTICLE DELIVERY OF THERAPEUTIC ANTIMIR-21 AND ANTIMIR-10B PRESENSITIZES GLIOBLASTOMA TO LOWER EFFECTIVE DOSES OF TEMOZOLOMIDE IN CELLS AND XENOGRAFTS. Neuro-Oncology, 2017, 19, vi86-vi86.	0.6	0

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145	Ultrasound and Microbubble-Mediated Targeted Delivery of Drug Loaded Nanoparticles to Porcine Liver. , 2018, , .		0
146	EXTH-28. TARGETED POLYGIONS ENGINEERED WITH SURFACE miRNAs FOR COMBINED MULTIMODALITY IMAGING AND ENHANCEMENT OF TEMOZOLOMIDE TREATMENT: A NOVEL INTRANASALLY-DELIVERED THERANOSTIC STRATEGY AGAINST GLIOBLASTOMA. Neuro-Oncology, 2019, 21, vi87-vi88.	0.6	0
147	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. Neuro-Oncology, 2019, 21, vi88-vi88.	0.6	0
148	High-Throughput Whole-Plate Imaging of Cells for Multiple Biological Applications. Methods in Molecular Biology, 2021, 2274, 367-384.	0.4	0
149	Molecular Imaging of Gene Therapy. , 2021, , 787-810.		0
150	Highly Bright NIR-BRET System for Imaging Molecular Events in Live Cells. Methods in Molecular Biology, 2021, 2274, 247-259.	0.4	0
151	Ligand-Activatable BRET9 Probes for Imaging Molecular Events in Living Mammalian Cells. Methods in Molecular Biology, 2021, 2274, 261-270.	0.4	0
152	Magnetic Nanocoils: Remote Control of Timeâ€Regulated Stretching of Ligandâ€Presenting Nanocoils In Situ Regulates the Cyclic Adhesion and Differentiation of Stem Cells (Adv. Mater. 11/2021). Advanced Materials, 2021, 33, 2170084.	11.1	0
153	Cardio Phenotypic Potential of Mesenchymal Stem Cells. Current Protocols, 2021, 1, e62.	1.3	0
154	Role of microRNA therapy in presensitizing glioblastoma cells to temozolomide treatment. , 2021, , 667-688.		0
155	Engineered Split Reporter Systems for Molecular Imaging of Proteinâ€“Protein Interactions in Living Subjects. , 2014, , 233-256.		0
156	Delayed Intramyocardial Delivery of Stem Cells after Ischemia Reperfusion Injury in a Murine Model. Journal of Visualized Experiments, 2020, , .	0.2	0
157	Abstract 16757: Immunomodulatory Hydrogel Promotes Survival of Mesenchymal Stem Cells in a Rat Model of Myocardial Infarction. Circulation, 2020, 142, .	1.6	0