

# Ralph Weissleder

## 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.

1,013  
papers

125,831  
citations

174  
h-index

316  
g-index

1,072  
ext. papers

139,984  
ext. citations

11.1  
avg. IF

8.56  
L-index

#	Paper	IF	Citations
1013	Immune Checkpoint Inhibition in GBM Primed with Radiation by Engineered Extracellular Vesicles.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	5
1012	Computational Optics for Point-of-Care Breast Cancer Profiling. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2393, 153-162	1.4	
1011	Multielectrode Spectroscopy Enables Rapid and Sensitive Molecular Profiling of Extracellular Vesicles.. <i>ACS Central Science</i> , <b>2022</b> , 8, 110-117	16.8	1
1010	Deciphering albumin-directed drug delivery by imaging.. <i>Advanced Drug Delivery Reviews</i> , <b>2022</b> , 114237	18.5	3
1009	Single-EV analysis (sEVA) of mutated proteins allows detection of stage 1 pancreatic cancer.. <i>Science Advances</i> , <b>2022</b> , 8, eabm3453	14.3	3
1008	Overcoming differential tumor penetration of BRAF inhibitors using computationally guided combination therapy.. <i>Science Advances</i> , <b>2022</b> , 8, eabl6339	14.3	2
1007	Cerebrospinal fluid can exit into the skull bone marrow and instruct cranial hematopoiesis in mice with bacterial meningitis.. <i>Nature Neuroscience</i> , <b>2022</b> ,	25.5	4
1006	Integrated Analytical System for Clinical Single-Cell Analysis.. <i>Advanced Science</i> , <b>2022</b> , e2200415	13.6	1
1005	Multiplexed imaging in oncology. <i>Nature Biomedical Engineering</i> , <b>2022</b> , 6, 527-540	19	3
1004	Zwitterionic polymer electroplating facilitates the preparation of electrode surface for biosensing. <i>Advanced Materials</i> , <b>2021</b> , e2107892	24	3
1003	Development of Integrated Systems for On-Site Infection Detection. <i>Accounts of Chemical Research</i> , <b>2021</b> , 54, 3991-4000	24.3	2
1002	Microwave Ablation for Resolution of Persistent Biloma Following Hepatectomy and Cholecystectomy: Case Report. <i>CardioVascular and Interventional Radiology</i> , <b>2021</b> , 1	2.7	0
1001	Magnetic Gold Nanoparticles with Idealized Coating for Enhanced Point-Of-Care Sensing. <i>Advanced Healthcare Materials</i> , <b>2021</b> , e2102035	10.1	3
1000	NIMG-48. TLR7/8-AGONIST-LOADED NANOPARTICLES REPROGRAM TUMOR-ASSOCIATED MYELOID CELLS FOR EFFECTIVE IMMUNOTHERAPY OF EXPERIMENTAL GLIOMA AND MRI-BASED TREATMENT MONITORING. <i>Neuro-Oncology</i> , <b>2021</b> , 23, vi139-vi140	1	
999	A rapid assay provides on-site quantification of tetrahydrocannabinol in oral fluid. <i>Science Translational Medicine</i> , <b>2021</b> , 13, eabe2352	17.5	0
998	SMALL MOLECULE IMAGING AGENT FOR MUTANT KRAS G12C. <i>Advanced Therapeutics</i> , <b>2021</b> , 4, 2000290	4.9	1
997	Sequencing-Based Protein Analysis of Single Extracellular Vesicles. <i>ACS Nano</i> , <b>2021</b> , 15, 5631-5638	16.7	15

996	Therapeutically reprogrammed nutrient signalling enhances nanoparticulate albumin bound drug uptake and efficacy in KRAS-mutant cancer. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 830-839	28.7	15
995	An integrated magneto-electrochemical device for the rapid profiling of tumour extracellular vesicles from blood plasma. <i>Nature Biomedical Engineering</i> , <b>2021</b> , 5, 678-689	19	19
994	Rapid Serial Immunoprofiling of the Tumor Immune Microenvironment by Fine Needle Sampling. <i>Clinical Cancer Research</i> , <b>2021</b> , 27, 4781-4793	12.9	5
993	Resident Kupffer cells and neutrophils drive liver toxicity in cancer immunotherapy. <i>Science Immunology</i> , <b>2021</b> , 6,	28	9
992	Astrocytic interleukin-3 programs microglia and limits Alzheimer's disease. <i>Nature</i> , <b>2021</b> , 595, 701-706	50.4	41
991	Macrophage imaging and subset analysis using single-cell RNA sequencing. <i>Nanotheranostics</i> , <b>2021</b> , 5, 36-56	5.6	2
990	Extracellular Vesicle Analysis Allows for Identification of Invasive IPMN. <i>Gastroenterology</i> , <b>2021</b> , 160, 1345-1358.e11	13.3	14
989	Quantification of Cellular Drug Biodistribution Addresses Challenges in Evaluating and Encapsulated Drug Delivery. <i>Advanced Therapeutics</i> , <b>2021</b> , 4, 2000125	4.9	2
988	Detecting Immune Response to Therapies Targeting PDL1 and BRAF by Using Ferumoxytol MRI and Macrin in Anaplastic Thyroid Cancer. <i>Radiology</i> , <b>2021</b> , 298, 123-132	20.5	8
987	Subcellular Drug Depots as Reservoirs for Small-Molecule Drugs. <i>Methods in Pharmacology and Toxicology</i> , <b>2021</b> , 397-434	1.1	
986	p53 dynamics vary between tissues and are linked with radiation sensitivity. <i>Nature Communications</i> , <b>2021</b> , 12, 898	17.4	9
985	Modeling EV Kinetics for Use in Early Cancer Detection. <i>Advanced Biology</i> , <b>2020</b> , 4, e1900305	3.5	10
984	COVID-19 diagnostics in context. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	182
983	The expanding landscape of inflammatory cells affecting cancer therapy. <i>Nature Biomedical Engineering</i> , <b>2020</b> , 4, 489-498	19	16
982	Single Extracellular Vesicle Protein Analysis Using Immuno-Droplet Digital Polymerase Chain Reaction Amplification. <i>Advanced Biology</i> , <b>2020</b> , 4, e1900307	3.5	20
981	Automated molecular-image cytometry and analysis in modern oncology. <i>Nature Reviews Materials</i> , <b>2020</b> , 5, 409-422	73.3	10
980	A durable murine model of spleen transplantation with arterial and venous anastomoses. <i>Scientific Reports</i> , <b>2020</b> , 10, 3979	4.9	1
979	Dissolvable Polyacrylamide Beads for High-Throughput Droplet DNA Barcoding. <i>Advanced Science</i> , <b>2020</b> , 7, 1903463	13.6	10

978	Ultra-fast cycling for multiplexed cellular fluorescence imaging. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 6906-6918	3.8	2
977	Radiotheranostics: a roadmap for future development. <i>Lancet Oncology, The</i> , <b>2020</b> , 21, e146-e156	21.7	59
976	Diminished Reactive Hematopoiesis and Cardiac Inflammation in a Mouse Model of Recurrent Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 75, 901-915	15.1	18
975	Improving nanotherapy delivery and action through image-guided systems pharmacology. <i>Theranostics</i> , <b>2020</b> , 10, 968-997	12.1	28
974	Ultra-fast Cycling for Multiplexed Cellular Fluorescence Imaging. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 6839-6846	16.4	13
973	Integrated Dual-Mode Chromatography to Enrich Extracellular Vesicles from Plasma. <i>Advanced Biology</i> , <b>2020</b> , 4, e1900310	3.5	17
972	Understanding the In Vivo Fate of Advanced Materials by Imaging. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1910369	15.6	4
971	Fluorescence microscopy tensor imaging representations for large-scale dataset analysis. <i>Scientific Reports</i> , <b>2020</b> , 10, 5632	4.9	4
970	Single-Cell Intravital Microscopy of Trastuzumab Quantifies Heterogeneous in vivo Kinetics. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2020</b> , 97, 528-539	4.6	10
969	Efficient blockade of locally reciprocated tumor-macrophage signaling using a TAM-avid nanotherapy. <i>Science Advances</i> , <b>2020</b> , 6, eaaz8521	14.3	14
968	Extended dynamic range imaging for noise mitigation in fluorescence anisotropy imaging. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25,	3.5	2
967	Myeloid Cell-Targeted Nanocarriers Efficiently Inhibit Cellular Inhibitor of Apoptosis for Cancer Immunotherapy. <i>Cell Chemical Biology</i> , <b>2020</b> , 27, 94-104.e5	8.2	8
966	Large and small extracellular vesicles released by glioma cells and. <i>Journal of Extracellular Vesicles</i> , <b>2020</b> , 9, 1689784	16.4	30
965	Imaging of Tie2 with a Fluorescently Labeled Small Molecule Affinity Ligand. <i>ACS Chemical Biology</i> , <b>2020</b> , 15, 151-157	4.9	4
964	Tumor-Promoting Ly-6G SiglecF Cells Are Mature and Long-Lived Neutrophils. <i>Cell Reports</i> , <b>2020</b> , 32, 108164	10.6	24
963	Imaging Cardiovascular and Lung Macrophages With the Positron Emission Tomography Sensor Cu-Macrin in Mice, Rabbits, and Pigs. <i>Circulation: Cardiovascular Imaging</i> , <b>2020</b> , 13, e010586	3.9	7
962	In vivo microscopy reveals macrophage polarization locally promotes coherent microtubule dynamics in migrating cancer cells. <i>Nature Communications</i> , <b>2020</b> , 11, 3521	17.4	4
961	The chemical biology of IL-12 production the non-canonical NFkB pathway. <i>RSC Chemical Biology</i> , <b>2020</b> , 1, 166-176	3	3

960	Molecular and Immunological Diagnostic Tests of COVID-19: Current Status and Challenges. <i>IScience</i> , <b>2020</b> , 23, 101406	6.1	85
959	CytoPAN-Portable cellular analyses for rapid point-of-care cancer diagnosis. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	11
958	Bead-Based Extracellular Vesicle Analysis Using Flow Cytometry. <i>Advanced Biology</i> , <b>2020</b> , 4, e2000203	3.5	6
957	Receptor-Driven ERK Pulses Reconfigure MAPK Signaling and Enable Persistence of Drug-Adapted BRAF-Mutant Melanoma Cells. <i>Cell Systems</i> , <b>2020</b> , 11, 478-494.e9	10.6	29
956	Plasmonic Sensors for Extracellular Vesicle Analysis: From Scientific Development to Translational Research. <i>ACS Nano</i> , <b>2020</b> , 14, 14528-14548	16.7	25
955	A Cleavable C-Symmetric -Cyclooctene Enables Fast and Complete Bioorthogonal Disassembly of Molecular Probes. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 19132-19141	16.4	13
954	The myeloid type I interferon response to myocardial infarction begins in bone marrow and is regulated by Nrf2-activated macrophages. <i>Science Immunology</i> , <b>2020</b> , 5,	28	10
953	Plasmon-Enhanced Biosensing for Multiplexed Profiling of Extracellular Vesicles. <i>Advanced Biology</i> , <b>2020</b> , 4, e2000003	3.5	16
952	New technology on the horizon: Fast analytical screening technique FNA (FAST-FNA) enables rapid, multiplex biomarker analysis in head and neck cancers. <i>Cancer Cytopathology</i> , <b>2020</b> , 128, 782-791	3.9	5
951	Expanding the Scope of Antibody Rebridging with New Pyridazinedione-TCO Constructs. <i>Bioconjugate Chemistry</i> , <b>2020</b> , 31, 1616-1623	6.3	6
950	Compact and Filter-Free Luminescence Biosensor for Mobile Diagnoses. <i>ACS Nano</i> , <b>2019</b> , 13, 11698-11706	16.7	13
949	Gut intraepithelial T cells calibrate metabolism and accelerate cardiovascular disease. <i>Nature</i> , <b>2019</b> , 566, 115-119	50.4	67
948	Physical and Molecular Landscapes of Mouse Glioma Extracellular Vesicles Define Heterogeneity. <i>Cell Reports</i> , <b>2019</b> , 27, 3972-3987.e6	10.6	31
947	A human organoid system that self-organizes to recapitulate growth and differentiation of a benign mammary tumor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 11444-11453	11.5	10
946	Radiation-Induced Targeted Nanoparticle-Based Gene Delivery for Brain Tumor Therapy. <i>ACS Nano</i> , <b>2019</b> , 13, 4028-4040	16.7	81
945	Methods for Systematic Identification of Membrane Proteins for Specific Capture of Cancer-Derived Extracellular Vesicles. <i>Cell Reports</i> , <b>2019</b> , 27, 255-268.e6	10.6	24
944	Glass Chemistry to Analyze Human Cells under Adverse Conditions. <i>ACS Omega</i> , <b>2019</b> , 4, 11515-11521	3.9	2
943	Self-Assembly of Nanoparticle-Spiked Pillar Arrays for Plasmonic Biosensing. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1904257	15.6	34

942	Screening for new macrophage therapeutics. <i>Theranostics</i> , <b>2019</b> , 9, 7714-7729	12.1	13
941	Tissue-Specific Macrophage Responses to Remote Injury Impact the Outcome of Subsequent Local Immune Challenge. <i>Immunity</i> , <b>2019</b> , 51, 899-914.e7	32.3	60
940	LTX-315 sequentially promotes lymphocyte-independent and lymphocyte-dependent antitumor effects. <i>Cell Stress</i> , <b>2019</b> , 3, 348-360	5.5	9
939	Advances in clinical MRI technology. <i>Science Translational Medicine</i> , <b>2019</b> , 11,	17.5	15
938	Development of Adamantane-Conjugated TLR7/8 Agonists for Supramolecular Delivery and Cancer Immunotherapy. <i>Theranostics</i> , <b>2019</b> , 9, 8426-8436	12.1	32
937	Ex vivo perfusion-based engraftment of genetically engineered cell sensors into transplantable organs. <i>PLoS ONE</i> , <b>2019</b> , 14, e0225222	3.7	7
936	Membrane-bound Gaussia luciferase as a tool to track shedding of membrane proteins from the surface of extracellular vesicles. <i>Scientific Reports</i> , <b>2019</b> , 9, 17387	4.9	10
935	Point-of-care cervical cancer screening using deep learning-based microholography. <i>Theranostics</i> , <b>2019</b> , 9, 8438-8447	12.1	3
934	Characterization of single microvesicles in plasma from glioblastoma patients. <i>Neuro-Oncology</i> , <b>2019</b> , 21, 606-615	1	48
933	High dynamic range fluorescence imaging. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2019</b> , 25,	3.8	8
932	A Supramolecular Nanocarrier for Delivery of Amiodarone Anti-Arrhythmic Therapy to the Heart. <i>Bioconjugate Chemistry</i> , <b>2019</b> , 30, 733-740	6.3	14
931	Bioassay for monitoring the anti-aging effect of cord blood treatment. <i>Theranostics</i> , <b>2019</b> , 9, 1-10	12.1	5
930	Multichannel digital heteronuclear magnetic resonance biosensor. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 126, 240-248	11.8	20
929	Fluorescence anisotropy imaging in drug discovery. <i>Advanced Drug Delivery Reviews</i> , <b>2019</b> , 151-152, 262-288	28.8	29
928	Ex vivo perfusion-based engraftment of genetically engineered cell sensors into transplantable organs <b>2019</b> , 14, e0225222		
927	Ex vivo perfusion-based engraftment of genetically engineered cell sensors into transplantable organs <b>2019</b> , 14, e0225222		
926	Ex vivo perfusion-based engraftment of genetically engineered cell sensors into transplantable organs <b>2019</b> , 14, e0225222		
925	Ex vivo perfusion-based engraftment of genetically engineered cell sensors into transplantable organs <b>2019</b> , 14, e0225222		

924	Immune evasion mediated by PD-L1 on glioblastoma-derived extracellular vesicles. <i>Science Advances</i> , <b>2018</b> , 4, eaar2766	14.3	254
923	New Technologies for Analysis of Extracellular Vesicles. <i>Chemical Reviews</i> , <b>2018</b> , 118, 1917-1950	68.1	581
922	Unraveling Tetrazine-Triggered Bioorthogonal Elimination Enables Chemical Tools for Ultrafast Release and Universal Cleavage. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 3603-3612	16.4	88
921	Cardiac macrophages promote diastolic dysfunction. <i>Journal of Experimental Medicine</i> , <b>2018</b> , 215, 423-440	16.6	182
920	Multiplexed Profiling of Single Extracellular Vesicles. <i>ACS Nano</i> , <b>2018</b> , 12, 494-503	16.7	167
919	Anti-CTLA-4 therapy requires an Fc domain for efficacy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 3912-3917	11.5	79
918	Integrated Biosensor for Rapid and Point-of-Care Sepsis Diagnosis. <i>ACS Nano</i> , <b>2018</b> , 12, 3378-3384	16.7	87
917	Preclinical investigation of combined gene-mediated cytotoxic immunotherapy and immune checkpoint blockade in glioblastoma. <i>Neuro-Oncology</i> , <b>2018</b> , 20, 225-235	1	38
916	Design and clinical validation of a point-of-care device for the diagnosis of lymphoma via contrast-enhanced microholography and machine learning. <i>Nature Biomedical Engineering</i> , <b>2018</b> , 2, 666-674	19	34
915	Imaging the Vascular Bone Marrow Niche During Inflammatory Stress. <i>Circulation Research</i> , <b>2018</b> , 123, 415-427	15.7	31
914	Development of third generation anti-EGFRvIII chimeric T cells and EGFRvIII-expressing artificial antigen presenting cells for adoptive cell therapy for glioma. <i>PLoS ONE</i> , <b>2018</b> , 13, e0199414	3.7	20
913	Direct vascular channels connect skull bone marrow and the brain surface enabling myeloid cell migration. <i>Nature Neuroscience</i> , <b>2018</b> , 21, 1209-1217	25.5	139
912	Computational Optics Enables Breast Cancer Profiling in Point-of-Care Settings. <i>ACS Nano</i> , <b>2018</b> , 12, 9081-9090	16.7	20
911	Age-related tumor growth in mice is related to integrin $\alpha 4$ in CD8+ T cells. <i>JCI Insight</i> , <b>2018</b> , 3,	9.9	13
910	Analyses of Intravesicular Exosomal Proteins Using a Nano-Plasmonic System. <i>ACS Photonics</i> , <b>2018</b> , 5, 487-494	6.3	45
909	Developing a Roadmap for Interventional Oncology. <i>Oncologist</i> , <b>2018</b> , 23, 1162-1170	5.7	12
908	Deep transfer learning-based hologram classification for molecular diagnostics. <i>Scientific Reports</i> , <b>2018</b> , 8, 17003	4.9	30
907	Site occupancy calibration of taxane pharmacology in live cells and tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E11406-E11414	11.5	14

906	Arg1 expression defines immunosuppressive subsets of tumor-associated macrophages. <i>Theranostics</i> , <b>2018</b> , 8, 5842-5854	12.1	96
905	Modular Nanoparticulate Prodrug Design Enables Efficient Treatment of Solid Tumors Using Bioorthogonal Activation. <i>ACS Nano</i> , <b>2018</b> , 12, 12814-12826	16.7	47
904	Quantitative Imaging of Tumor-Associated Macrophages and Their Response to Therapy Using Cu-Labeled Macrin. <i>ACS Nano</i> , <b>2018</b> , 12, 12015-12029	16.7	83
903	Successful Anti-PD-1 Cancer Immunotherapy Requires T Cell-Dendritic Cell Crosstalk Involving the Cytokines IFN- $\gamma$ and IL-12. <i>Immunity</i> , <b>2018</b> , 49, 1148-1161.e7	32.3	352
902	Single-cell barcode analysis provides a rapid readout of cellular signaling pathways in clinical specimens. <i>Nature Communications</i> , <b>2018</b> , 9, 4550	17.4	30
901	A Miniaturized, Programmable Pacemaker for Long-Term Studies in the Mouse. <i>Circulation Research</i> , <b>2018</b> , 123, 1208-1219	15.7	8
900	Identification and validation of a tumor-infiltrating Treg transcriptional signature conserved across species and tumor types. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E10672-E10681	11.5	72
899	Recording the wild lives of immune cells. <i>Science Immunology</i> , <b>2018</b> , 3,	28	35
898	Unsupervised Medical Image Segmentation Based on the Local Center of Mass. <i>Scientific Reports</i> , <b>2018</b> , 8, 13012	4.9	34
897	TLR7/8-agonist-loaded nanoparticles promote the polarization of tumour-associated macrophages to enhance cancer immunotherapy. <i>Nature Biomedical Engineering</i> , <b>2018</b> , 2, 578-588	19	435
896	Imaging the pharmacology of nanomaterials by intravital microscopy: Toward understanding their biological behavior. <i>Advanced Drug Delivery Reviews</i> , <b>2017</b> , 113, 61-86	18.5	49
895	Point of care assessment of melanoma tumor signaling and metastatic burden from NMR analysis of tumor fine needle aspirates and peripheral blood. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2017</b> , 13, 821-828	6	6
894	Facile silicification of plastic surface for bioassays. <i>Chemical Communications</i> , <b>2017</b> , 53, 2134-2137	5.8	6
893	Polyglucose nanoparticles with renal elimination and macrophage avidity facilitate PET imaging in ischaemic heart disease. <i>Nature Communications</i> , <b>2017</b> , 8, 14064	17.4	95
892	Heterogeneity of macrophage infiltration and therapeutic response in lung carcinoma revealed by 3D organ imaging. <i>Nature Communications</i> , <b>2017</b> , 8, 14293	17.4	127
891	Motion characterization scheme to minimize motion artifacts in intravital microscopy. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 22, 36005	3.5	6
890	Macrophages Facilitate Electrical Conduction in the Heart. <i>Cell</i> , <b>2017</b> , 169, 510-522.e20	56.2	438
889	In vivo imaging reveals a tumor-associated macrophage-mediated resistance pathway in anti-PD-1 therapy. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	331



888	Quantitating drug-target engagement in single cells in vitro and in vivo. <i>Nature Chemical Biology</i> , <b>2017</b> , 13, 168-173	11.7	67
887	Real-time quantitative analysis of metabolic flux in live cells using a hyperpolarized micromagnetic resonance spectrometer. <i>Science Advances</i> , <b>2017</b> , 3, e1700341	14.3	32
886	MicroRNA Signatures and Molecular Subtypes of Glioblastoma: The Role of Extracellular Transfer. <i>Stem Cell Reports</i> , <b>2017</b> , 8, 1497-1505	8	49
885	Imaging of anticancer drug action in single cells. <i>Nature Reviews Cancer</i> , <b>2017</b> , 17, 399-414	31.3	64
884	Multiparametric plasma EV profiling facilitates diagnosis of pancreatic malignancy. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	140
883	Radiation therapy primes tumors for nanotherapeutic delivery via macrophage-mediated vascular bursts. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	132
882	Transparent Electrophysiology Microelectrodes and Interconnects from Metal Nanomesh. <i>ACS Nano</i> , <b>2017</b> , 11, 4365-4372	16.7	38
881	The infarcted myocardium solicits GM-CSF for the detrimental oversupply of inflammatory leukocytes. <i>Journal of Experimental Medicine</i> , <b>2017</b> , 214, 3293-3310	16.6	114
880	Integrated microHall magnetometer to measure the magnetic properties of nanoparticles. <i>Lab on A Chip</i> , <b>2017</b> , 17, 4000-4007	7.2	5
879	Integrated Kidney Exosome Analysis for the Detection of Kidney Transplant Rejection. <i>ACS Nano</i> , <b>2017</b> , 11, 11041-11046	16.7	65
878	Imaging the emergence and natural progression of spontaneous autoimmune diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E7776-E7785	11.5	31
877	PD-L1 is an activation-independent marker of brown adipocytes. <i>Nature Communications</i> , <b>2017</b> , 8, 647	17.4	65
876	Novel nanosensing technologies for exosome detection and profiling. <i>Lab on A Chip</i> , <b>2017</b> , 17, 2892-2898	9.2	49
875	Deletion of $\alpha$ -integrin in collecting duct principal cells leads to tubular injury and renal medullary fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , <b>2017</b> , 313, F1026-F1037	4.3	14
874	Evolution of macromolecular complexity in drug delivery systems. <i>Nature Reviews Chemistry</i> , <b>2017</b> , 1,	34.6	174
873	Integrated Magneto-Chemical Sensor For On-Site Food Allergen Detection. <i>ACS Nano</i> , <b>2017</b> , 11, 10062-10069	16.69	50
872	Osteoblasts remotely supply lung tumors with cancer-promoting SiglecF neutrophils. <i>Science</i> , <b>2017</b> , 358,	33.3	172
871	Nanomagnetic System for Rapid Diagnosis of Acute Infection. <i>ACS Nano</i> , <b>2017</b> , 11, 11425-11432	16.7	11

870	IRF3 and type I interferons fuel a fatal response to myocardial infarction. <i>Nature Medicine</i> , <b>2017</b> , 23, 1481-1487	20.8	148
869	Nano-palladium is a cellular catalyst for in vivo chemistry. <i>Nature Communications</i> , <b>2017</b> , 8, 15906	17.4	144
868	Measurement of drug-target engagement in live cells by two-photon fluorescence anisotropy imaging. <i>Nature Protocols</i> , <b>2017</b> , 12, 1472-1497	18.8	14
867	Facile Coating Strategy to Functionalize Inorganic Nanoparticles for Biosensing. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 33-37	6.3	11
866	High-Content Biopsies Facilitate Molecular Analyses and Do Not Increase Complication Rates in Patients With Advanced Solid Tumors.. <i>JCO Precision Oncology</i> , <b>2017</b> , 1, 1-9	3.6	3
865	Design and Development of Fluorescent Vemurafenib Analogs for Imaging. <i>Theranostics</i> , <b>2017</b> , 7, 1257-1265	12.65	14
864	Prediction of Anti-cancer Nanotherapy Efficacy by Imaging. <i>Nanotheranostics</i> , <b>2017</b> , 1, 296-312	5.6	53
863	Near infrared imaging of Mer tyrosine kinase (MERTK) using MERi-SiR reveals tumor associated macrophage uptake in metastatic disease. <i>Chemical Communications</i> , <b>2017</b> , 54, 42-45	5.8	19
862	E-Selectin Inhibition Mitigates Splenic HSC Activation and Myelopoiesis in Hypercholesterolemic Mice With Myocardial Infarction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2016</b> , 36, 1802-8	9.4	21
861	Fluorescent vinblastine probes for live cell imaging. <i>Chemical Communications</i> , <b>2016</b> , 52, 9953-6	5.8	9
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859	On-demand erythrocyte disposal and iron recycling requires transient macrophages in the liver. <i>Nature Medicine</i> , <b>2016</b> , 22, 945-51	50.5	224
858	PF4 Promotes Platelet Production and Lung Cancer Growth. <i>Cell Reports</i> , <b>2016</b> , 17, 1764-1772	10.6	54
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856	Imaging approaches to optimize molecular therapies. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 355ps16	17.5	78
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853	RNAi targeting multiple cell adhesion molecules reduces immune cell recruitment and vascular inflammation after myocardial infarction. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 342ra80	17.5	123

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850	SCS macrophages suppress melanoma by restricting tumor-derived vesicle-B cell interactions. <i>Science</i> , <b>2016</b> , 352, 242-6	33.3	188
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848	Two-photon Fluorescence Anisotropy Microscopy for Imaging and Direct Measurement of Intracellular Drug Target Engagement. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2016</b> , 22,	3.8	7
847	Digital diffraction detection of protein markers for avian influenza. <i>Lab on A Chip</i> , <b>2016</b> , 16, 1340-5	7.2	11
846	Bioorthogonal Fluorophore Linked DFO-Technology Enabling Facile Chelator Quantification and Multimodal Imaging of Antibodies. <i>Bioconjugate Chemistry</i> , <b>2016</b> , 27, 257-63	6.3	42
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844	Bioorthogonal Radiopaque Hydrogel for Endoscopic Delivery and Universal Tissue Marking. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 421-6	10.1	13
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4	Tumor Imaging277-309		
3	Methods for mRNA and Protein Expression Analysis in situ and in vivo703-767		
2	Type I interferon responses to ischemic injury begin in the bone marrow of mice and humans and depend on Tet2, Nrf2, and Irf3		1
1	Cerebrospinal fluid outflow through skull channels instructs cranial hematopoiesis		3