Philip S Low

List of Publications by Year in Descending Order

397 papers	26,463 citations	78 h-index	150 g-index
420 ext. papers	29,001 ext. citations	6.2 avg, IF	7.16 L-index

#	Paper	IF	Citations
397	Design, Synthesis, and Targeted Delivery of an Immune Stimulant that Selectively Reactivates Exhausted CAR T Cells.. *Angewandte Chemie - International Edition*, **2022**,	16.4	2
396	Folate Receptor Beta for Macrophage Imaging in Rheumatoid Arthritis.. *Frontiers in Immunology*, **2022**, 13, 819163	8.4	1
395	Folate Receptor Expression by Human Monocyte-Derived Macrophage Subtypes and Effects of Corticosteroids.. *Cartilage*, **2022**, 13, 19476035221081469	3	2
394	Repolarization of Tumor-Infiltrating Myeloid Cells for Augmentation of CAR T Cell Therapies.. *Frontiers in Immunology*, **2022**, 13, 816761	8.4	0
393	Targeted delivery of acrolein scavenger hydralazine in spinal cord injury using folate-linker-drug conjugation.. *Free Radical Biology and Medicine*, **2022**, 184, 66-73	7.8	1
392	Targeted detection of cancer at the cellular level during biopsy by near-infrared confocal laser endomicroscopy.. *Nature Communications*, **2022**, 13, 2711	17.4	0
391	Rapid degradation of protein tyrosine phosphatase 1B in sickle cells: Possible contribution to sickle cell membrane weakening.. *FASEB Journal*, **2022**, 36, e22360	0.9	
390	Efficient capture of circulating tumor cells with low molecular weight folate receptor-specific ligands. *Scientific Reports*, **2022**, 12,	4.9	1
389	Imatinib augments standard malaria combination therapy without added toxicity. *Journal of Experimental Medicine*, **2021**, 218,	16.6	3
388	Evaluation of the reducing potential of PSMA-containing endosomes by FRET imaging. **2021**, 4, 223-232		
387	Imatinib augments standard malaria combination therapy without added toxicity. *Journal of Experimental Medicine*, **2021**, 218,	16.6	2
386	Targeting folate receptor beta on monocytes/macrophages renders rapid inflammation resolution independent of root causes. *Cell Reports Medicine*, **2021**, 2, 100422	18	2
385	Design of Neuraminidase-Targeted Imaging and Therapeutic Agents for the Diagnosis and Treatment of Influenza Virus Infections. *Bioconjugate Chemistry*, **2021**, 32, 1548-1553	6.3	3
384	Folate-targeted verrucarin A reduces the number of activated macrophages in a mouse model of acute peritonitis. *Bioorganic and Medicinal Chemistry Letters*, **2021**, 42, 128091	2.9	0
383	Folate-targeted intraoperative fluorescence, OTL38, in robotic-assisted laparoscopic partial nephrectomy. *Scandinavian Journal of Urology*, **2021**, 55, 331-336	1.6	0
382	Intraoperative Molecular Imaging Utilizing a Folate Receptor-Targeted Near-Infrared Probe Can Identify Macroscopic Gastric Adenocarcinomas. *Molecular Imaging and Biology*, **2021**, 23, 11-17	3.8	3
381	Analysis of the bone fracture targeting properties of osteotropic ligands. *Journal of Controlled Release*, **2021**, 329, 570-584	11.7	2

380	Folate Receptor Beta Designates Immunosuppressive Tumor-Associated Myeloid Cells That Can Be Reprogrammed with Folate-Targeted Drugs. *Cancer Research*, **2021**, 81, 671-684	10.1	15
379	Efficacy and tolerability of folate-aminopterin therapy in a rat focal model of multiple sclerosis. *Journal of Neuroinflammation*, **2021**, 18, 30	10.1	5
378	Targeted Intraoperative Molecular Imaging for Localizing Nonpalpable Tumors and Quantifying Resection Margin Distances. *JAMA Surgery*, **2021**, 156, 1043-1050	5.4	4
377	A universal dual mechanism immunotherapy for the treatment of influenza virus infections. *Nature Communications*, **2020**, 11, 5597	17.4	6
376	DARC, Glycophorin A, Band 3, and GLUT1 Diffusion in Erythrocytes: Insights into Membrane Complexes. *Biophysical Journal*, **2020**, 119, 1749-1759	2.9	2
375	Design and validation of fibroblast activation protein alpha targeted imaging and therapeutic agents. *Theranostics*, **2020**, 10, 5778-5789	12.1	13
374	Fluorescence Labeling of Circulating Tumor Cells with a Folate Receptor-Targeted Molecular Probe for Diffuse In Vivo Flow Cytometry. *Molecular Imaging and Biology*, **2020**, 22, 1280-1289	3.8	5
373	Localization of Fluorescent Targets in Deep Tissue With Expanded Beam Illumination for Studies of Cancer and the Brain. *IEEE Transactions on Medical Imaging*, **2020**, 39, 2472-2481	11.7	1
372	First in man study of [F]fluoro-PEG-folate PET: a novel macrophage imaging technique to visualize rheumatoid arthritis. *Scientific Reports*, **2020**, 10, 1047	4.9	26
371	Inhibition of Band 3 tyrosine phosphorylation: a new mechanism for treatment of sickle cell disease. *British Journal of Haematology*, **2020**, 190, 599-609	4.5	22
370	Folate Receptor Targeted PET Imaging of Macrophages in Autoimmune Myocarditis. *Journal of Nuclear Medicine*, **2020**, 61, 1643-1649	8.9	14
369	Identification of tyrosine kinase inhibitors that halt Plasmodium falciparum parasitemia. *PLoS ONE*, **2020**, 15, e0242372	3.7	6
368	Comparison of a Short Versus Long Stokes Shift Near-Infrared Dye During Intraoperative Molecular Imaging. *Molecular Imaging and Biology*, **2020**, 22, 144-155	3.8	4
367	Reprogramming of profibrotic macrophages for treatment of bleomycin-induced pulmonary fibrosis. *EMBO Molecular Medicine*, **2020**, 12, e12034	12	14
366	Targeted inhibition of PI3 kinase/mTOR specifically in fibrotic lung fibroblasts suppresses pulmonary fibrosis in experimental models. *Science Translational Medicine*, **2020**, 12,	17.5	12
365	Sensitive manipulation of CAR T cell activity using a chimeric endocytosing receptor **2020**, 8,		2
364	Radiosynthesis and preclinical evaluation of [Ga]Ga-NOTA-folate for PET imaging of folate receptor positive macrophages. *Scientific Reports*, **2020**, 10, 13593	4.9	7
363	Syk Kinase Inhibitors Synergize with Artemisinins by Enhancing Oxidative Stress in -Parasitized Erythrocytes. *Antioxidants*, **2020**, 9,	7.1	12

362	Evaluation of a Neurokinin-1 Receptor-Targeted Technetium-99m Conjugate for Neuroendocrine Cancer Imaging. *Molecular Imaging and Biology*, **2020**, 22, 377-383	3.8	1
361	Regulation of CAR T cell-mediated cytokine release syndrome-like toxicity using low molecular weight adapters. *Nature Communications*, **2019**, 10, 2681	17.4	48
360	Use of Carbonic Anhydrase IX Inhibitors for Selective Delivery of Attached Drugs to Solid Tumors **2019**, 289-303		
359	Oxygen tension-mediated erythrocyte membrane interactions regulate cerebral capillary hyperemia. *Science Advances*, **2019**, 5, eaaw4466	14.3	21
358	Depletion of activated macrophages with a folate receptor-beta-specific antibody improves symptoms in mouse models of rheumatoid arthritis. *Arthritis Research and Therapy*, **2019**, 21, 143	5.7	20
357	Enhancing MicroRNA Activity through Increased Endosomal Release Mediated by Nigericin. *Molecular Therapy - Nucleic Acids*, **2019**, 16, 505-518	10.7	15
356	Preclinical Evaluation of Bispecific Adaptor Molecule Controlled Folate Receptor CAR-T Cell Therapy With Special Focus on Pediatric Malignancies. *Frontiers in Oncology*, **2019**, 9, 151	5.3	26
355	Folate receptors and transporters: biological role and diagnostic/therapeutic targets in cancer and other diseases. *Journal of Experimental and Clinical Cancer Research*, **2019**, 38, 125	12.8	36
354	Clinical impact of the two ART resistance markers, K13 gene mutations and DPC3 in Vietnam. *PLoS ONE*, **2019**, 14, e0214667	3.7	7
353	Evidence for three populations of the glucose transporter in the human erythrocyte membrane. *Blood Cells, Molecules, and Diseases*, **2019**, 77, 61-66	2.1	3
352	Folate receptor-beta expression as a diagnostic target in human & rodent nonalcoholic steatohepatitis. *Toxicology and Applied Pharmacology*, **2019**, 368, 49-54	4.6	1
351	A phase II, multicenter, open-label trial of OTL38 injection for the intra-operative imaging of folate receptor-alpha positive ovarian cancer. *Gynecologic Oncology*, **2019**, 155, 63-68	4.9	28
350	The role of WNK in modulation of KCl cotransport activity in red cells from normal individuals and patients with sickle cell anaemia. *Pflugers Archiv European Journal of Physiology*, **2019**, 471, 1539-1549	4.6	2
349	Small molecule targeted NIR dye conjugate for imaging LHRH receptor positive cancers. *Oncotarget* , **2019**, 10, 152-160	3.3	5
348	Dysfunctional stem and progenitor cells impair fracture healing with age. *World Journal of Stem Cells*, **2019**, 11, 281-296	5.6	14
347	Regulation of erythrocyte Na/K/2Cl cotransport by an oxygen-switched kinase cascade. *Journal of Biological Chemistry*, **2019**, 294, 2519-2528	5.4	7
346	Folate receptor-targeted positron emission tomography of experimental autoimmune encephalomyelitis in rats. *Journal of Neuroinflammation*, **2019**, 16, 252	10.1	7
345	Use of a Single CAR T Cell and Several Bispecific Adapters Facilitates Eradication of Multiple Antigenically Different Solid Tumors. *Cancer Research*, **2019**, 79, 387-396	10.1	53

344	Folate Receptor Near-Infrared Optical Imaging Provides Sensitive and Specific Intraoperative Visualization of Nonfunctional Pituitary Adenomas. *Operative Neurosurgery*, **2019**, 16, 59-70	1.6	16
343	Synthesis and Evaluation of a Novel Cu- and Ga-Labeled Neurokinin 1 Receptor Antagonist for in Vivo Targeting of NK1R-Positive Tumor Xenografts. *Bioconjugate Chemistry*, **2018**, 29, 1319-1326	6.3	6
342	Folate receptor overexpression can be visualized in real time during pituitary adenoma endoscopic transsphenoidal surgery with near-infrared imaging. *Journal of Neurosurgery*, **2018**, 129, 390-403	3.2	39
341	Localization of Pulmonary Ground-Glass Opacities with Folate Receptor-Targeted Intraoperative Molecular Imaging. *Journal of Thoracic Oncology*, **2018**, 13, 1028-1036	8.9	12
340	Expression of functional folate receptors in multiple myeloma. *Leukemia and Lymphoma*, **2018**, 59, 2982-2989	2.9	10
339	New Mechanism for Release of Endosomal Contents: Osmotic Lysis via Nigericin-Mediated K/H Exchange. *Bioconjugate Chemistry*, **2018**, 29, 1047-1059	6.3	11
338	Selective liposome targeting of folate receptor positive immune cells in inflammatory diseases. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2018**, 14, 1033-1043	6	29
337	Development of a Small Molecule Tubulysin B Conjugate for Treatment of Carbonic Anhydrase IX Receptor Expressing Cancers. *Molecular Pharmaceutics*, **2018**, 15, 2289-2296	5.6	19
336	A Phase I Clinical Trial of Targeted Intraoperative Molecular Imaging for Pulmonary Adenocarcinomas. *Annals of Thoracic Surgery*, **2018**, 105, 901-908	2.7	36
335	Fluorescence-guided surgery of cancer: applications, tools and perspectives. *Current Opinion in Chemical Biology*, **2018**, 45, 64-72	9.7	32
334	Standardization and Optimization of Intraoperative Molecular Imaging for Identifying Primary Pulmonary Adenocarcinomas. *Molecular Imaging and Biology*, **2018**, 20, 131-138	3.8	12
333	Intraoperative Ureter Visualization Using a Novel Near-Infrared Fluorescent Dye. *Molecular Pharmaceutics*, **2018**, 15, 3442-3447	5.6	16
332	Intraoperative fluorescence imaging in thoracic surgery. *Journal of Surgical Oncology*, **2018**, 118, 344-355	2.8	32
331	Prophylactic and therapeutic activity of alkaline phosphatase in arthritic rats: single-agent effects of alkaline phosphatase and synergistic effects in combination with methotrexate. *Translational Research*, **2018**, 199, 24-38	11	6
330	Targeting of a Photosensitizer to the Mitochondrion Enhances the Potency of Photodynamic Therapy. *ACS Omega*, **2018**, 3, 6066-6074	3.9	45
329	Utilization of targeted near-infrared molecular imaging to improve pulmonary metastasectomy of osteosarcomas. *Journal of Biomedical Optics*, **2018**, 23, 1-4	3.5	11
328	Assessment of folate receptor alpha and beta expression in selection of lung and pancreatic cancer patients for receptor targeted therapies. *Oncotarget*, **2018**, 9, 4485-4495	3.3	41
327	An open label trial of folate receptor-targeted intraoperative molecular imaging to localize pulmonary squamous cell carcinomas. *Oncotarget*, **2018**, 9, 13517-13529	3.3	21

326	Intraoperative near-infrared imaging with receptor-specific versus passive delivery of fluorescent agents in pituitary adenomas. *Journal of Neurosurgery*, **2018**, 131, 1974-1984	3.2	19
325	Identification of a Folate Receptor-Targeted Near-Infrared Molecular Contrast Agent to Localize Pulmonary Adenocarcinomas. *Molecular Therapy*, **2018**, 26, 390-403	11.7	29
324	Phase I/II clinical trial of the targeted chemotherapeutic drug, folate-tubulysin, in dogs with naturally-occurring invasive urothelial carcinoma. *Oncotarget*, **2018**, 9, 37042-37053	3.3	5
323	Application of Sequential Palladium Catalysis for the Discovery of Janus Kinase Inhibitors in the Benzo[c]pyrrolo[2,3- h][1,6]naphthyridin-5-one (BPN) Series. *Journal of Medicinal Chemistry*, **2018**, 61, 10440-10462	8.3	8
322	Evaluation of Novel Tumor-Targeted Near-Infrared Probe for Fluorescence-Guided Surgery of Cancer. *Journal of Medicinal Chemistry*, **2018**, 61, 9637-9646	8.3	39
321	Folate receptor-□targeted near-infrared fluorescence imaging in high-risk endometrial cancer patients: a tissue microarray and clinical feasibility study. *Oncotarget*, **2018**, 9, 791-801	3.3	23
320	Bone-Fracture-Targeted Dasatinib-Oligoaspartic Acid Conjugate Potently Accelerates Fracture Repair. *Bioconjugate Chemistry*, **2018**, 29, 3800-3809	6.3	15
319	Carbonic Anhydrase IX-Targeted Near-Infrared Dye for Fluorescence Imaging of Hypoxic Tumors. *Bioconjugate Chemistry*, **2018**, 29, 3320-3331	6.3	12
318	Targeted Tubulysin B Hydrazide Conjugate for the Treatment of Luteinizing Hormone-Releasing Hormone Receptor-Positive Cancers. *Bioconjugate Chemistry*, **2018**, 29, 2208-2214	6.3	6
317	Imaging and Methotrexate Response Monitoring of Systemic Inflammation in Arthritic Rats Employing the Macrophage PET Tracer [F]Fluoro-PEG-Folate. *Contrast Media and Molecular Imaging*, **2018**, 2018, 8092781	3.2	13
316	Aluminum fluoride-18 labeled folate enables in vivo detection of atherosclerotic plaque inflammation by positron emission tomography. *Scientific Reports*, **2018**, 8, 9720	4.9	25
315	Healing efficacy of fracture-targeted GSK3β inhibitor-loaded micelles for improved fracture repair. *Nanomedicine*, **2017**, 12, 185-193	5.6	9
314	Syk inhibitors interfere with erythrocyte membrane modification during growth and suppress parasite egress. *Blood*, **2017**, 130, 1031-1040	2.2	19
313	Evaluation of Nonpeptidic Ligand Conjugates for the Treatment of Hypoxic and Carbonic Anhydrase IX-Expressing Cancers. *Molecular Cancer Therapeutics*, **2017**, 16, 453-460	6.1	13
312	Folate-Hapten-Mediated Immunotherapy Synergizes with Vascular Endothelial Growth Factor Receptor Inhibitors in Treating Murine Models of Cancer. *Molecular Cancer Therapeutics*, **2017**, 16, 461-468	6.1	7
311	Separation and dual detection of prostate cancer cells and protein biomarkers using a microchip device. *Lab on A Chip*, **2017**, 17, 415-428	7.2	16
310	Evaluation of a Centyrin-Based Near-Infrared Probe for Fluorescence-Guided Surgery of Epidermal Growth Factor Receptor Positive Tumors. *Bioconjugate Chemistry*, **2017**, 28, 2865-2873	6.3	18
309	Folate-PEG-NOTA-AlF: A New Folate Based Radiotracer for PET Imaging of Folate Receptor-Positive Tumors. *Molecular Pharmaceutics*, **2017**, 14, 4353-4361	5.6	14

308	FolamiRs: Ligand-targeted, vehicle-free delivery of microRNAs for the treatment of cancer. *Science Translational Medicine*, **2017**, 9,	17.5	50
307	Ligand-Targeted Drug Delivery. *Chemical Reviews*, **2017**, 117, 12133-12164	68.1	267
306	Folate-conjugated liposomes target and deliver therapeutics to immune cells in a rat model of rheumatoid arthritis. *Nanomedicine*, **2017**, 12, 2441-2451	5.6	24
305	Folate-Targeted Dendrimers Selectively Accumulate at Sites of Inflammation in Mouse Models of Ulcerative Colitis and Atherosclerosis. *Biomacromolecules*, **2017**, 18, 3082-3088	6.9	31
304	Conjugation Dependent Interaction of Folic Acid with Folate Binding Protein. *Bioconjugate Chemistry*, **2017**, 28, 2350-2360	6.3	10
303	In-vivo monitoring of anti-folate therapy in arthritic rats using [F]fluoro-PEG-folate and positron emission tomography. *Arthritis Research and Therapy*, **2017**, 19, 114	5.7	16
302	Synthesis and evaluation of a ligand targeting the and opioid receptors for drug delivery to lung cancer. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 2074-2078	2.9	5
301	Intraoperative near-infrared fluorescence imaging targeting folate receptors identifies lung cancer in a large-animal model. *Cancer*, **2017**, 123, 1051-1060	6.4	31
300	Development of a Ligand-Targeted Therapeutic Agent for Neurokinin-1 Receptor Expressing Cancers. *Molecular Pharmaceutics*, **2017**, 14, 3859-3865	5.6	7
299	Design, Synthesis, and Evaluation of a Neurokinin-1 Receptor-Targeted Near-IR Dye for Fluorescence-Guided Surgery of Neuroendocrine Cancers. *Bioconjugate Chemistry*, **2016**, 27, 2157-65	6.3	20
298	Global transformation of erythrocyte properties via engagement of an SH2-like sequence in band 3. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 13732-13737	11.5	13
297	A Novel Tumor-Specific Agent for Intraoperative Near-Infrared Fluorescence Imaging: A Translational Study in Healthy Volunteers and Patients with Ovarian Cancer. *Clinical Cancer Research*, **2016**, 22, 2929-38	12.9	153
296	Substrate-Triggered Exosite Binding: Synergistic Dendrimer/Folic Acid Action for Achieving Specific, Tight-Binding to Folate Binding Protein. *Biomacromolecules*, **2016**, 17, 922-7	6.9	12
295	Intraoperative Molecular Diagnostic Imaging Can Identify Renal Cell Carcinoma. *Journal of Urology*, **2016**, 195, 748-55	2.5	27
294	Predicting Response to Therapy for Autoimmune and Inflammatory Diseases Using a Folate Receptor-Targeted Near-Infrared Fluorescent Imaging Agent. *Molecular Imaging and Biology*, **2016**, 18, 201-8	3.8	21
293	Intraoperative Molecular Imaging of Lung Adenocarcinoma Can Identify Residual Tumor Cells at the Surgical Margins. *Molecular Imaging and Biology*, **2016**, 18, 209-18	3.8	29
292	Development and validation of a carers quality-of-life questionnaire for parkinsonism (PQoL Carers). *Quality of Life Research*, **2016**, 25, 81-8	3.7	14
291	Single Molecule Studies of the Diffusion of Band 3 in Sickle Cell Erythrocytes. *PLoS ONE*, **2016**, 11, e0162514	3.7	4

290	Assessment of cholecystokinin 2 receptor (CCK2R) in neoplastic tissue. *Oncotarget*, **2016**, 7, 14605-15	3.3	26
289	Concordance of folate receptor-α expression between biopsy, primary tumor and metastasis in breast cancer and lung cancer patients. *Oncotarget*, **2016**, 7, 17442-54	3.3	51
288	Intraoperative imaging of folate receptor alpha positive ovarian and breast cancer using the tumor specific agent EC17. *Oncotarget*, **2016**, 7, 32144-55	3.3	88
287	Synthesis and Evaluation of Folate-Conjugated Phenanthraquinones for Tumor-Targeted Oxidative Chemotherapy. *Open Journal of Medicinal Chemistry*, **2016**, 6, 1-17	0.1	6
286	Evaluation of Nonpeptidic Ligand Conjugates for SPECT Imaging of Hypoxic and Carbonic Anhydrase IX-Expressing Cancers. *Bioconjugate Chemistry*, **2016**, 27, 1762-9	6.3	14
285	Intraoperative molecular imaging to identify lung adenocarcinomas. *Journal of Thoracic Disease*, **2016**, 8, S697-S704	2.6	13
284	Inhibition of an Erythrocyte Tyrosine Kinase with Imatinib Prevents Plasmodium falciparum Egress and Terminates Parasitemia. *PLoS ONE*, **2016**, 11, e0164895	3.7	25
283	Novel Use of Folate-Targeted Intraoperative Fluorescence, OTL38, in Robot-Assisted Laparoscopic Partial Nephrectomy: Report of the First Three Cases. *Journal of Endourology Case Reports*, **2016**, 2, 189-197	0.3	29
282	Reversible binding of hemoglobin to band 3 constitutes the molecular switch that mediates O2 regulation of erythrocyte properties. *Blood*, **2016**, 128, 2708-2716	2.2	47
281	Evaluation of a Carbonic Anhydrase IX-Targeted Near-Infrared Dye for Fluorescence-Guided Surgery of Hypoxic Tumors. *Molecular Pharmaceutics*, **2016**, 13, 1618-25	5.6	28
280	Optimization of Folate-Targeted Immunotherapy for the Treatment of Experimental Arthritis. *Inflammation*, **2016**, 39, 1345-53	5.1	6
279	Synthesis and Preclinical Evaluation of Folate-NOTA-Al(18)F for PET Imaging of Folate-Receptor-Positive Tumors. *Molecular Pharmaceutics*, **2016**, 13, 1520-7	5.6	31
278	Diffusion of glycophorin A in human erythrocytes. *Biochimica Et Biophysica Acta - Biomembranes*, **2016**, 1858, 2839-2845	3.8	9
277	Identification of adducin-binding residues on the cytoplasmic domain of erythrocyte membrane protein, band 3. *Biochemical Journal*, **2016**, 473, 3147-58	3.8	6
276	Receptor-Mediated Drug Delivery **2016**, 451-474		2
275	Synthesis and evaluation of a ligand targeting the somatostatin-2 receptor for drug delivery to neuroendocrine cancers. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 1792-1798	2.9	3
274	Selective Tumor Targeting of Desacetyl Vinblastine Hydrazide and Tubulysin B via Conjugation to a Cholecystokinin 2 Receptor (CCK2R) Ligand. *Molecular Pharmaceutics*, **2015**, 12, 2477-83	5.6	20
273	Fluorescence assay of the interaction between hemoglobin and the cytoplasmic domain of erythrocyte membrane band 3. *Blood Cells, Molecules, and Diseases*, **2015**, 55, 266-71	2.1	10

272	Concurrent Detection of Cellular and Molecular Cancer Markers Using an Immunomagnetic Flow System. *Analytical Chemistry*, **2015**, 87, 10205-12	7.8	14
271	Intraoperative molecular imaging can identify lung adenocarcinomas during pulmonary resection. *Journal of Thoracic and Cardiovascular Surgery*, **2015**, 150, 28-35.e1	1.5	63
270	Targeting of folate receptor β on acute myeloid leukemia blasts with chimeric antigen receptor-expressing T cells. *Blood*, **2015**, 125, 3466-76	2.2	110
269	DUPA conjugation of a cytotoxic indenoisoquinoline topoisomerase I inhibitor for selective prostate cancer cell targeting. *Journal of Medicinal Chemistry*, **2015**, 58, 3094-103	8.3	36
268	Prediction of Response to Therapy for Autoimmune/Inflammatory Diseases Using an Activated Macrophage-Targeted Radioimaging Agent. *Molecular Pharmaceutics*, **2015**, 12, 3547-55	5.6	12
267	Folate receptor expression on murine and human adipose tissue macrophages. *Inflammation Research*, **2015**, 64, 697-706	7.2	3
266	Biodistribution of Fracture-Targeted GSK3β Inhibitor-Loaded Micelles for Improved Fracture Healing. *Biomacromolecules*, **2015**, 16, 3145-53	6.9	19
265	Evaluation of a nonpeptidic ligand for imaging of cholecystokinin 2 receptor-expressing cancers. *Journal of Nuclear Medicine*, **2015**, 56, 113-9	8.9	13
264	The Optical Biopsy: A Novel Technique for Rapid Intraoperative Diagnosis of Primary Pulmonary Adenocarcinomas. *Annals of Surgery*, **2015**, 262, 602-9	7.8	50
263	Folate Receptor-Beta Has Limited Value for Fluorescent Imaging in Ovarian, Breast and Colorectal Cancer. *PLoS ONE*, **2015**, 10, e0135012	3.7	5
262	Comparison of Folate Receptor Targeted Optical Contrast Agents for Intraoperative Molecular Imaging. *International Journal of Molecular Imaging*, **2015**, 2015, 469047		49
261	Antiinflammatory Activity of a Novel Folic Acid Targeted Conjugate of the mTOR Inhibitor Everolimus. *Molecular Medicine*, **2015**, 21, 584-96	6.2	20
260	Comparison of nanoparticle penetration into solid tumors and sites of inflammation: studies using targeted and nontargeted liposomes. *Nanomedicine*, **2015**, 10, 1439-49	5.6	18
259	Principles in the design of ligand-targeted cancer therapeutics and imaging agents. *Nature Reviews Drug Discovery*, **2015**, 14, 203-19	64.1	454
258	Dietary supplementation with docosahexanoic acid (DHA) increases red blood cell membrane flexibility in mice with sickle cell disease. *Blood Cells, Molecules, and Diseases*, **2015**, 54, 183-8	2.1	21
257	Assessment of folate receptor-β expression in human neoplastic tissues. *Oncotarget*, **2015**, 6, 14700-9	3.3	53
256	Assessment of folate receptor expression and folate uptake in multicentric lymphomas in dogs. *American Journal of Veterinary Research*, **2014**, 75, 187-94	1.1	3
255	Chemical synthesis of staphyloferrin A and its application for Staphylococcus aureus detection. *Organic and Biomolecular Chemistry*, **2014**, 12, 1707-10	3.9	7

254	Folate receptor-β in activated macrophages: ligand binding and receptor recycling kinetics. *Molecular Pharmaceutics*, **2014**, 11, 3609-16	5.6	36
253	In vivo optical imaging of folate receptor-β in head and neck squamous cell carcinoma. *Laryngoscope*, **2014**, 124, E312-9	3.6	24
252	Effect of receptor occupancy on folate receptor internalization. *Molecular Pharmaceutics*, **2014**, 11, 1007-13	5.6	36
251	Evaluation of a cholecystokinin 2 receptor-targeted near-infrared dye for fluorescence-guided surgery of cancer. *Molecular Pharmaceutics*, **2014**, 11, 468-76	5.6	32
250	Guiding principles in the design of ligand-targeted nanomedicines. *Nanomedicine*, **2014**, 9, 313-30	5.6	48
249	Avidity mechanism of dendrimer-folic acid conjugates. *Molecular Pharmaceutics*, **2014**, 11, 1696-706	5.6	47
248	Molecular imaging to identify tumor recurrence following chemoradiation in a hostile surgical environment. *Molecular Imaging*, **2014**, 13,	3.7	3
247	In vivo mouse fluorescence imaging for folate-targeted delivery and release kinetics. *Biomedical Optics Express*, **2014**, 5, 2662-78	3.5	12
246	Folate receptor-β imaging using 99mTc-folate to explore distribution of polarized macrophage populations in human atherosclerotic plaque. *Journal of Nuclear Medicine*, **2014**, 55, 1945-51	8.9	48
245	Folate receptor-β constitutes a marker for human proinflammatory monocytes. *Journal of Leukocyte Biology*, **2014**, 96, 563-70	6.5	39
244	A Phase I/Ib study of folate immune (EC90 vaccine administered with GPI-0100 adjuvant followed by EC17) with interferon-α and interleukin-2 in patients with renal cell carcinoma. *Journal of Immunotherapy*, **2014**, 37, 237-44	5	20
243	Evaluation of the novel folate receptor ligand [18F]fluoro-PEG-folate for macrophage targeting in a rat model of arthritis. *Arthritis Research and Therapy*, **2013**, 15, R37	5.7	51
242	Choroid plexus transcytosis and exosome shuttling deliver folate into brain parenchyma. *Nature Communications*, **2013**, 4, 2123	17.4	197
241	Expression of functional folate receptors by human parathyroid cells. *Surgery*, **2013**, 154, 1385-93; discussion 1393	3.6	8
240	Label-free detection of Staphylococcus aureus captured on immutable ligand arrays. *ACS Applied Materials & Interfaces*, **2013**, 5, 6404-11	9.5	13
239	Identification of the components of a glycolytic enzyme metabolon on the human red blood cell membrane. *Journal of Biological Chemistry*, **2013**, 288, 848-58	5.4	76
238	Targeting folate receptors to treat invasive urinary bladder cancer. *Cancer Research*, **2013**, 73, 875-84	10.1	46
237	Changes in the properties of normal human red blood cells during in vivo aging. *American Journal of Hematology*, **2013**, 88, 44-51	7.1	71

236	Oxygen regulates the band 3-ankyrin bridge in the human erythrocyte membrane. *Biochemical Journal*, **2013**, 449, 143-50	3.8	47
235	Use of folate-conjugated imaging agents to target alternatively activated macrophages in a murine model of asthma. *Molecular Pharmaceutics*, **2013**, 10, 1918-27	5.6	36
234	Development of tumor-targeted near infrared probes for fluorescence guided surgery. *Bioconjugate Chemistry*, **2013**, 24, 1075-80	6.3	79
233	Effect of folate-targeted nanoparticle size on their rates of penetration into solid tumors. *ACS Nano*, **2013**, 7, 8573-82	16.7	92
232	Comparative analysis of folate derived PET imaging agents with [(18)F]-2-fluoro-2-deoxy-d-glucose using a rodent inflammatory paw model. *Molecular Pharmaceutics*, **2013**, 10, 3103-11	5.6	20
231	Folate receptor in adenocarcinoma and squamous cell carcinoma of the lung: potential target for folate-linked therapeutic agents. *Archives of Pathology and Laboratory Medicine*, **2013**, 137, 241-4	5	52
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