

# Philip S Low

## List of Publications by Citations

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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	Intraoperative tumor-specific fluorescence imaging in ovarian cancer by folate receptor- $\alpha$ targeting: first in-human results. <i>Nature Medicine</i> , <b>2011</b> , 17, 1315-9	50.5	1194
396	Folate receptor expression in carcinomas and normal tissues determined by a quantitative radioligand binding assay. <i>Analytical Biochemistry</i> , <b>2005</b> , 338, 284-93	3.1	923
395	Discovery and development of folic-acid-based receptor targeting for imaging and therapy of cancer and inflammatory diseases. <i>Accounts of Chemical Research</i> , <b>2008</b> , 41, 120-9	24.3	906
394	In vitro and in vivo two-photon luminescence imaging of single gold nanorods. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 15752-6	11.5	858
393	Folate-mediated delivery of macromolecular anticancer therapeutic agents. <i>Advanced Drug Delivery Reviews</i> , <b>2002</b> , 54, 675-93	18.5	682
392	Rapid Stimulation of an Oxidative Burst during Elicitation of Cultured Plant Cells : Role in Defense and Signal Transduction. <i>Plant Physiology</i> , <b>1989</b> , 90, 109-16	6.6	604
391	Folate receptor-mediated drug targeting: from therapeutics to diagnostics. <i>Journal of Pharmaceutical Sciences</i> , <b>2005</b> , 94, 2135-46	3.9	498
390	Folate-mediated tumor cell targeting of liposome-entrapped doxorubicin in vitro. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1995</b> , 1233, 134-44	3.8	459
389	Principles in the design of ligand-targeted cancer therapeutics and imaging agents. <i>Nature Reviews Drug Discovery</i> , <b>2015</b> , 14, 203-19	64.1	454
388	The FERM domain: a unique module involved in the linkage of cytoplasmic proteins to the membrane. <i>Trends in Biochemical Sciences</i> , <b>1998</b> , 23, 281-2	10.3	440
387	Oxalic acid, a pathogenicity factor for <i>Sclerotinia sclerotiorum</i> , suppresses the oxidative burst of the host plant. <i>Plant Cell</i> , <b>2000</b> , 12, 2191-200	11.6	410
386	Folate-targeted therapies for cancer. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 6811-24	8.3	365
385	Structure and function of the cytoplasmic domain of band 3: center of erythrocyte membrane-peripheral protein interactions. <i>BBA - Biomembranes</i> , <b>1986</b> , 864, 145-67		350
384	Folate-mediated targeting: from diagnostics to drug and gene delivery. <i>Drug Discovery Today</i> , <b>2001</b> , 6, 44-51	8.8	320
383	Assembly and regulation of a glycolytic enzyme complex on the human erythrocyte membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 2402-7	11.5	311
382	Oligogalacturonic acid and chitosan reduce stomatal aperture by inducing the evolution of reactive oxygen species from guard cells of tomato and <i>Commelina communis</i> . <i>Plant Physiology</i> , <b>1999</b> , 121, 147-52	6.6	293
381	Folate receptor alpha as a tumor target in epithelial ovarian cancer. <i>Gynecologic Oncology</i> , <b>2008</b> , 108, 619-26	4.9	286

380	Fast release of lipophilic agents from circulating PEG-PDLLA micelles revealed by in vivo forster resonance energy transfer imaging. <i>Langmuir</i> , <b>2008</b> , 24, 5213-7	4	275
379	Evaluation of disulfide reduction during receptor-mediated endocytosis by using FRET imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 13872-7	11.5	274
378	Ligand-Targeted Drug Delivery. <i>Chemical Reviews</i> , <b>2017</b> , 117, 12133-12164	68.1	267
377	Crystallographic structure and functional interpretation of the cytoplasmic domain of erythrocyte membrane band 3. <i>Blood</i> , <b>2000</b> , 96, 2925-2933	2.2	249
376	Folate-mediated targeting of antineoplastic drugs, imaging agents, and nucleic acids to cancer cells. <i>Journal of Controlled Release</i> , <b>1998</b> , 53, 39-48	11.7	247
375	In vivo quantitation of rare circulating tumor cells by multiphoton intravital flow cytometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 11760-5	11.5	244
374	Tumor detection using folate receptor-targeted imaging agents. <i>Cancer and Metastasis Reviews</i> , <b>2008</b> , 27, 655-64	9.6	234
373	Folate receptor-mediated targeting of therapeutic and imaging agents to activated macrophages in rheumatoid arthritis. <i>Advanced Drug Delivery Reviews</i> , <b>2004</b> , 56, 1205-17	18.5	230
372	A functional folate receptor is induced during macrophage activation and can be used to target drugs to activated macrophages. <i>Blood</i> , <b>2009</b> , 113, 438-46	2.2	225
371	Role of red blood cells in thrombosis. <i>Current Opinion in Hematology</i> , <b>1999</b> , 6, 76-82	3.3	217
370	Folate-mediated delivery of macromolecular anticancer therapeutic agents. <i>Advanced Drug Delivery Reviews</i> , <b>2012</b> , 64, 342-352	18.5	215
369	Synthesis, purification, and tumor cell uptake of <sup>67</sup> Ga-deferoxamine--folate, a potential radiopharmaceutical for tumor imaging. <i>Bioconjugate Chemistry</i> , <b>1996</b> , 7, 56-62	6.3	211
368	Altered erythrocyte endothelial adherence and membrane phospholipid asymmetry in hereditary hydrocytosis. <i>Blood</i> , <b>2003</b> , 101, 4625-7	2.2	209
367	Folate receptor overexpression is associated with poor outcome in breast cancer. <i>International Journal of Cancer</i> , <b>2007</b> , 121, 938-42	7.5	203
366	Folate receptor-targeted immunotherapy of cancer: mechanism and therapeutic potential. <i>Advanced Drug Delivery Reviews</i> , <b>2004</b> , 56, 1161-76	18.5	201
365	Choroid plexus transcytosis and exosome shuttling deliver folate into brain parenchyma. <i>Nature Communications</i> , <b>2013</b> , 4, 2123	17.4	197
364	Measurement of endosome pH following folate receptor-mediated endocytosis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1996</b> , 1312, 237-42	4.9	192
363	Ligand binding and kinetics of folate receptor recycling in vivo: impact on receptor-mediated drug delivery. <i>Molecular Pharmacology</i> , <b>2004</b> , 66, 1406-14	4.3	187

362	Design and synthesis of [ <sup>111</sup> In]DTPA-folate for use as a tumor-targeted radiopharmaceutical. <i>Bioconjugate Chemistry</i> , <b>1997</b> , 8, 673-9	6.3	177
361	Folate-targeted imaging of activated macrophages in rats with adjuvant-induced arthritis. <i>Arthritis and Rheumatism</i> , <b>2002</b> , 46, 1947-55		168
360	Folate targeting of haptens to cancer cell surfaces mediates immunotherapy of syngeneic murine tumors. <i>Cancer Immunology, Immunotherapy</i> , <b>2002</b> , 51, 153-62	7.4	167
359	Folate-conjugated liposomes preferentially target macrophages associated with ovarian carcinoma. <i>Cancer Letters</i> , <b>2004</b> , 213, 165-72	9.9	159
358	Folate-Mediated Targeting of Therapeutic and Imaging Agents to Cancers. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , <b>1998</b> , 15, 41	2.8	159
357	Hemichrome binding to band 3: nucleation of Heinz bodies on the erythrocyte membrane. <i>Biochemistry</i> , <b>1985</b> , 24, 34-9	3.2	158
356	A Novel Tumor-Specific Agent for Intraoperative Near-Infrared Fluorescence Imaging: A Translational Study in Healthy Volunteers and Patients with Ovarian Cancer. <i>Clinical Cancer Research</i> , <b>2016</b> , 22, 2929-38	12.9	153
355	Diplasmenylcholine-Folate Liposomes: An Efficient Vehicle for Intracellular Drug Delivery. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 11213-11218	16.4	152
354	Enhanced folate receptor mediated gene therapy using a novel pH-sensitive lipid formulation. <i>Journal of Controlled Release</i> , <b>2000</b> , 64, 27-37	11.7	148
353	Prostate-specific membrane antigen targeted imaging and therapy of prostate cancer using a PSMA inhibitor as a homing ligand. <i>Molecular Pharmaceutics</i> , <b>2009</b> , 6, 780-9	5.6	144
352	Immunotherapy of folate receptor-expressing tumors: review of recent advances and future prospects. <i>Journal of Controlled Release</i> , <b>2003</b> , 91, 17-29	11.7	138
351	Regulation of membrane-cytoskeletal interactions by tyrosine phosphorylation of erythrocyte band 3. <i>Blood</i> , <b>2011</b> , 117, 5998-6006	2.2	136
350	Design, synthesis, and preclinical evaluation of prostate-specific membrane antigen targeted ( <sup>99m</sup> Tc)-radioimaging agents. <i>Molecular Pharmaceutics</i> , <b>2009</b> , 6, 790-800	5.6	129
349	Uptake and trafficking of fluorescent conjugates of folic acid in intact kidney determined using intravital two-photon microscopy. <i>American Journal of Physiology - Cell Physiology</i> , <b>2004</b> , 287, C517-26	5.4	126
348	Erythrocyte detergent-resistant membrane proteins: their characterization and selective uptake during malarial infection. <i>Blood</i> , <b>2004</b> , 103, 1920-8	2.2	125
347	Synthesis and activity of a folate peptide camptothecin prodrug. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2006</b> , 16, 5350-5	2.9	120
346	Measurement of Ca <sup>2+</sup> fluxes during elicitation of the oxidative burst in aequorin-transformed tobacco cells. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 28274-80	5.4	119
345	An osmotically induced cytosolic Ca <sup>2+</sup> transient activates calcineurin signaling to mediate ion homeostasis and salt tolerance of <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 33075-80	5.4	119

344	A role for the proton-coupled folate transporter (PCFT-SLC46A1) in folate receptor-mediated endocytosis. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 4267-74	5.4	114
343	Adducin forms a bridge between the erythrocyte membrane and its cytoskeleton and regulates membrane cohesion. <i>Blood</i> , <b>2009</b> , 114, 1904-12	2.2	112
342	Targeting of folate receptor on acute myeloid leukemia blasts with chimeric antigen receptor-expressing T cells. <i>Blood</i> , <b>2015</b> , 125, 3466-76	2.2	110
341	Quantitation of circulating tumor cells in blood samples from ovarian and prostate cancer patients using tumor-specific fluorescent ligands. <i>International Journal of Cancer</i> , <b>2008</b> , 123, 1968-73	7.5	108
340	Characterization of the pH of folate receptor-containing endosomes and the rate of hydrolysis of internalized acid-labile folate-drug conjugates. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2007</b> , 321, 462-8	4.7	106
339	Phorbol ester stimulates a protein kinase C-mediated agatoxin-TK-sensitive calcium permeability pathway in human red blood cells. <i>Blood</i> , <b>2002</b> , 100, 3392-9	2.2	104
338	Mapping of glycolytic enzyme-binding sites on human erythrocyte band 3. <i>Biochemical Journal</i> , <b>2006</b> , 400, 143-51	3.8	103
337	Preparation of <sup>66</sup> Ga- and <sup>68</sup> Ga-labeled Ga(III)-deferoxamine-folate as potential folate-receptor-targeted PET radiopharmaceuticals. <i>Nuclear Medicine and Biology</i> , <b>2003</b> , 30, 725-31	2.1	102
336	Characterization of a novel pH-sensitive peptide that enhances drug release from folate-targeted liposomes at endosomal pHs. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2002</b> , 1559, 56-68	3.8	99
335	Expression and Functional Characterization of the $\beta$ isoform of the Folate Receptor on CD34+ Cells. <i>Blood</i> , <b>1999</b> , 93, 3940-3948	2.2	93
334	Effect of folate-targeted nanoparticle size on their rates of penetration into solid tumors. <i>ACS Nano</i> , <b>2013</b> , 7, 8573-82	16.7	92
333	Selective targeting of malignant cells with cytotoxin-folate conjugates. <i>Journal of Drug Targeting</i> , <b>1994</b> , 2, 101-12	5.4	92
332	Synthesis and biological analysis of prostate-specific membrane antigen-targeted anticancer prodrugs. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 7767-77	8.3	90
331	Role of band 3 in regulating metabolic flux of red blood cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 18515-20	11.5	88
330	Intraoperative imaging of folate receptor alpha positive ovarian and breast cancer using the tumor specific agent EC17. <i>Oncotarget</i> , <b>2016</b> , 7, 32144-55	3.3	88
329	Characterization of the deoxyhemoglobin binding site on human erythrocyte band 3: implications for O <sub>2</sub> regulation of erythrocyte properties. <i>Blood</i> , <b>2008</b> , 111, 932-8	2.2	87
328	Evaluation of Biochemical Changes During In Vivo Erythrocyte Senescence in the Dog. <i>Blood</i> , <b>1999</b> , 93, 376-384	2.2	86
327	Detection of protein kinase activity in sodium dodecyl sulfate-polyacrylamide gels. <i>Analytical Biochemistry</i> , <b>1986</b> , 153, 151-8	3.1	85

326	Immunohistochemical expression of folate receptor alpha in colorectal carcinoma: patterns and biological significance. <i>Human Pathology</i> , <b>2008</b> , 39, 498-505	3.7	84
325	Peptide-Mediated Release of Folate-Targeted Liposome Contents from Endosomal Compartments1. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 1581-1586	16.4	84
324	Development of tumor-targeted near infrared probes for fluorescence guided surgery. <i>Bioconjugate Chemistry</i> , <b>2013</b> , 24, 1075-80	6.3	79
323	The effects of pH and intraliposomal buffer strength on the rate of liposome content release and intracellular drug delivery. <i>Bioscience Reports</i> , <b>1998</b> , 18, 69-78	4.1	79
322	Synthesis of [(99m)Tc]DTPA-folate and its evaluation as a folate-receptor-targeted radiopharmaceutical. <i>Bioconjugate Chemistry</i> , <b>2000</b> , 11, 253-7	6.3	79
321	Optimization of folate-conjugated liposomal vectors for folate receptor-mediated gene therapy. <i>Journal of Pharmaceutical Sciences</i> , <b>1999</b> , 88, 1112-8	3.9	79
320	Characterization of glycolytic enzyme interactions with murine erythrocyte membranes in wild-type and membrane protein knockout mice. <i>Blood</i> , <b>2008</b> , 112, 3900-6	2.2	78
319	Lysophosphatidic acid opens a Ca <sup>++</sup> channel in human erythrocytes. <i>Blood</i> , <b>2000</b> , 95, 2420-2425	2.2	78
318	Targeting of nanoparticles: folate receptor. <i>Methods in Molecular Biology</i> , <b>2010</b> , 624, 249-65	1.4	77
317	Identification of the components of a glycolytic enzyme metabolon on the human red blood cell membrane. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 848-58	5.4	76
316	Elicitor stimulation of the defense response in cultured plant cells monitored by fluorescent dyes. <i>Archives of Biochemistry and Biophysics</i> , <b>1986</b> , 249, 472-9	4.1	76
315	Detection of Bacillus subtilis spores using peptide-functionalized cantilever arrays. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 3716-21	16.4	72
314	Optical imaging of metastatic tumors using a folate-targeted fluorescent probe. <i>Journal of Biomedical Optics</i> , <b>2003</b> , 8, 636-41	3.5	72
313	Evaluation of structural interdependence of membrane-spanning and cytoplasmic domains of band 3. <i>Biochemistry</i> , <b>1982</b> , 21, 2151-7	3.2	72
312	Changes in the properties of normal human red blood cells during in vivo aging. <i>American Journal of Hematology</i> , <b>2013</b> , 88, 44-51	7.1	71
311	Protein kinase C activation induces phosphatidylserine exposure on red blood cells. <i>Biochemistry</i> , <b>2002</b> , 41, 12562-7	3.2	71
310	Differential scanning calorimetry of chloroplast membranes: identification of an endothermic transition associated with the water-splitting complex of photosystem II. <i>Biochemistry</i> , <b>1981</b> , 20, 157-62	3.2	71
309	Imaging of atherosclerosis in apolipoprotein e knockout mice: targeting of a folate-conjugated radiopharmaceutical to activated macrophages. <i>Journal of Nuclear Medicine</i> , <b>2010</b> , 51, 768-74	8.9	70

308	Independent elicitation of the oxidative burst and phytoalexin formation in cultured plant cells. <i>Phytochemistry</i> , <b>1993</b> , 32, 607-611	4	69
307	Folate receptor-targeted immunotherapy: induction of humoral and cellular immunity against hapten-decorated cancer cells. <i>International Journal of Cancer</i> , <b>2005</b> , 116, 710-9	7.5	68
306	Imaging of the diffusion of single band 3 molecules on normal and mutant erythrocytes. <i>Blood</i> , <b>2009</b> , 113, 6237-45	2.2	67
305	The N-terminal 11 amino acids of human erythrocyte band 3 are critical for aldolase binding and protein phosphorylation: implications for band 3 function. <i>Blood</i> , <b>2005</b> , 106, 4359-66	2.2	66
304	Identification of a critical ankyrin-binding loop on the cytoplasmic domain of erythrocyte membrane band 3 by crystal structure analysis and site-directed mutagenesis. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 6879-84	5.4	65
303	Receptor-mediated targeting of <sup>67</sup> Ga-deferoxamine-folate to folate-receptor-positive human KB tumor xenografts. <i>Nuclear Medicine and Biology</i> , <b>1999</b> , 26, 23-5	2.1	65
302	Prostaglandin E2 stimulates a Ca <sup>2+</sup> -dependent K <sup>+</sup> channel in human erythrocytes and alters cell volume and filterability. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 18651-6	5.4	64
301	Intraoperative molecular imaging can identify lung adenocarcinomas during pulmonary resection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2015</b> , 150, 28-35.e1	1.5	63
300	Synthesis and evaluation of <sup>99m</sup> Tc(CO)(3)-DTPA-folate as a folate-receptor-targeted radiopharmaceutical. <i>Nuclear Medicine and Biology</i> , <b>2002</b> , 29, 569-73	2.1	63
299	Folate-targeted immunotherapy effectively treats established adjuvant and collagen-induced arthritis. <i>Arthritis Research and Therapy</i> , <b>2006</b> , 8, R77	5.7	62
298	Systemin potentiates the oxidative burst in cultured tomato cells. <i>Plant Physiology</i> , <b>1998</b> , 117, 1031-6	6.6	62
297	T-cell immunity to the folate receptor alpha is prevalent in women with breast or ovarian cancer. <i>Journal of Clinical Oncology</i> , <b>2006</b> , 24, 4254-61	2.2	60
296	Effect of band 3 subunit equilibrium on the kinetics and affinity of ankyrin binding to erythrocyte membrane vesicles. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 14819-26	5.4	60
295	Expression of the folate receptor genes FOLR1 and FOLR3 differentiates ovarian carcinoma from breast carcinoma and malignant mesothelioma in serous effusions. <i>Human Pathology</i> , <b>2009</b> , 40, 1453-60 <sup>3-7</sup>	3.7	59
294	Headpiece domain of dematin is required for the stability of the erythrocyte membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 6637-42	11.5	59
293	Characterization of the calorimetric C transition of the human erythrocyte membrane. <i>Biochemistry</i> , <b>1982</b> , 21, 3585-93	3.2	59
292	Adaptation of muscle pyruvate kinases to environmental temperatures and pressures. <i>The Journal of Experimental Zoology</i> , <b>1976</b> , 198, 1-11		59
291	Treatment of experimental adjuvant arthritis with a novel folate receptor-targeted folic acid-aminopterin conjugate. <i>Arthritis Research and Therapy</i> , <b>2011</b> , 13, R56	5.7	58

290	Ligand-targeted delivery of small interfering RNAs to malignant cells and tissues. <i>Annals of the New York Academy of Sciences</i> , <b>2009</b> , 1175, 32-9	6.5	58
289	Cholesterol level regulates endosome motility via Rab proteins. <i>Biophysical Journal</i> , <b>2008</b> , 94, 1508-20	2.9	58
288	Detection of folate binding protein with enhanced sensitivity using a functionalized quartz crystal microbalance sensor. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 4880-4	7.8	58
287	Modulation of red cell glycolysis: interactions between vertebrate hemoglobins and cytoplasmic domains of band 3 red cell membrane proteins. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2004</b> , 287, R454-64	3.2	58
286	A folate receptor beta-specific human monoclonal antibody recognizes activated macrophage of rheumatoid patients and mediates antibody-dependent cell-mediated cytotoxicity. <i>Arthritis Research and Therapy</i> , <b>2011</b> , 13, R59	5.7	57
285	Immunomagnetic diffractometry for detection of diagnostic serum markers. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 15824-9	16.4	57
284	Partial characterization of the copolymerization reaction of erythrocyte membrane band 3 with hemichromes. <i>Biochemistry</i> , <b>1987</b> , 26, 1777-83	3.2	57
283	Hypo-osmotic shock of tobacco cells stimulates Ca <sup>2+</sup> fluxes deriving first from external and then internal Ca <sup>2+</sup> stores. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 27286-91	5.4	56
282	Band 3 and ankyrin homologues are present in eye lens: evidence for all major erythrocyte membrane components in same non-erythroid cell. <i>Biochemical and Biophysical Research Communications</i> , <b>1987</b> , 149, 266-75	3.4	56
281	The effects of anion transport inhibitors on structural transitions in erythrocyte membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1978</b> , 512, 579-91	3.8	55
280	The effect of chemotherapy on expression of folate receptor-alpha in ovarian cancer. <i>Cellular Oncology (Dordrecht)</i> , <b>2012</b> , 35, 9-18	7.2	53
279	Functional folate receptor alpha is elevated in the blood of ovarian cancer patients. <i>PLoS ONE</i> , <b>2009</b> , 4, e6292	3.7	53
278	Erythrocyte signal transduction pathways and their possible functions. <i>Current Opinion in Hematology</i> , <b>1997</b> , 4, 116-21	3.3	53
277	Assessment of folate receptor- $\beta$ expression in human neoplastic tissues. <i>Oncotarget</i> , <b>2015</b> , 6, 14700-9	3.3	53
276	Use of a Single CAR T Cell and Several Bispecific Adapters Facilitates Eradication of Multiple Antigenically Different Solid Tumors. <i>Cancer Research</i> , <b>2019</b> , 79, 387-396	10.1	53
275	Folate receptor in adenocarcinoma and squamous cell carcinoma of the lung: potential target for folate-linked therapeutic agents. <i>Archives of Pathology and Laboratory Medicine</i> , <b>2013</b> , 137, 241-4	5	52
274	Evaluation of the novel folate receptor ligand [18F]fluoro-PEG-folate for macrophage targeting in a rat model of arthritis. <i>Arthritis Research and Therapy</i> , <b>2013</b> , 15, R37	5.7	51
273	Concordance of folate receptor- $\beta$ expression between biopsy, primary tumor and metastasis in breast cancer and lung cancer patients. <i>Oncotarget</i> , <b>2016</b> , 7, 17442-54	3.3	51



272	FolamiRs: Ligand-targeted, vehicle-free delivery of microRNAs for the treatment of cancer. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	50
271	The Optical Biopsy: A Novel Technique for Rapid Intraoperative Diagnosis of Primary Pulmonary Adenocarcinomas. <i>Annals of Surgery</i> , <b>2015</b> , 262, 602-9	7.8	50
270	Comparison of Folate Receptor Targeted Optical Contrast Agents for Intraoperative Molecular Imaging. <i>International Journal of Molecular Imaging</i> , <b>2015</b> , 2015, 469047		49
269	Plasmodium falciparum histidine-rich protein 1 associates with the band 3 binding domain of ankyrin in the infected red cell membrane. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2000</b> , 1502, 461-70	6.9	49
268	Regulation of CAR T cell-mediated cytokine release syndrome-like toxicity using low molecular weight adapters. <i>Nature Communications</i> , <b>2019</b> , 10, 2681	17.4	48
267	Guiding principles in the design of ligand-targeted nanomedicines. <i>Nanomedicine</i> , <b>2014</b> , 9, 313-30	5.6	48
266	Folate receptor- $\beta$ imaging using $^{99m}\text{Tc}$ -folate to explore distribution of polarized macrophage populations in human atherosclerotic plaque. <i>Journal of Nuclear Medicine</i> , <b>2014</b> , 55, 1945-51	8.9	48
265	Peroxiredoxin-2 expression is increased in beta-thalassemic mouse red cells but is displaced from the membrane as a marker of oxidative stress. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 49, 457-66	7.8	48
264	Avidity mechanism of dendrimer-folic acid conjugates. <i>Molecular Pharmaceutics</i> , <b>2014</b> , 11, 1696-706	5.6	47
263	Oxygen regulates the band 3-ankyrin bridge in the human erythrocyte membrane. <i>Biochemical Journal</i> , <b>2013</b> , 449, 143-50	3.8	47
262	Reversible binding of hemoglobin to band 3 constitutes the molecular switch that mediates O <sub>2</sub> regulation of erythrocyte properties. <i>Blood</i> , <b>2016</b> , 128, 2708-2716	2.2	47
261	Targeting folate receptors to treat invasive urinary bladder cancer. <i>Cancer Research</i> , <b>2013</b> , 73, 875-84	10.1	46
260	Targeting of a Photosensitizer to the Mitochondrion Enhances the Potency of Photodynamic Therapy. <i>ACS Omega</i> , <b>2018</b> , 3, 6066-6074	3.9	45
259	Identification of cytoskeletal elements enclosing the ATP pools that fuel human red blood cell membrane cation pumps. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 12794-9	11.5	45
258	Partial characterization of the cytoplasmic domain of human kidney band 3. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 17892-7	5.4	45
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