

# Philip S Low

## List of Publications by Year in descending order

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411  
papers

31,313  
citations

5248

83  
h-index

5806

161  
g-index

420  
all docs

420  
docs citations

420  
times ranked

27621  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intraoperative tumor-specific fluorescence imaging in ovarian cancer by folate receptor- $\alpha$ targeting: first in-human results. <i>Nature Medicine</i> , 2011, 17, 1315-1319.	15.2	1,453
2	Folate receptor expression in carcinomas and normal tissues determined by a quantitative radioligand binding assay. <i>Analytical Biochemistry</i> , 2005, 338, 284-293.	1.1	1,054
3	Discovery and Development of Folic-Acid-Based Receptor Targeting for Imaging and Therapy of Cancer and Inflammatory Diseases. <i>Accounts of Chemical Research</i> , 2008, 41, 120-129.	7.6	1,017
4	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> , 2005, 102, 15752-15756.	3.3	919
5	Folate-mediated delivery of macromolecular anticancer therapeutic agents. <i>Advanced Drug Delivery Reviews</i> , 2002, 54, 675-693.	6.6	773
6	Rapid Stimulation of an Oxidative Burst during Elicitation of Cultured Plant Cells. <i>Plant Physiology</i> , 1989, 90, 109-116.	2.3	660
7	Folate Receptor-Mediated Drug Targeting: From Therapeutics to Diagnostics. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 2135-2146.	1.6	560
8	Principles in the design of ligand-targeted cancer therapeutics and imaging agents. <i>Nature Reviews Drug Discovery</i> , 2015, 14, 203-219.	21.5	538
9	Folate-mediated tumor cell targeting of liposome-entrapped doxorubicin in vitro. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1995, 1233, 134-144.	1.4	503
10	The FERM domain: a unique module involved in the linkage of cytoplasmic proteins to the membrane. <i>Trends in Biochemical Sciences</i> , 1998, 23, 281-282.	3.7	494
11	Oxalic Acid, a Pathogenicity Factor for <i>Sclerotinia sclerotiorum</i> , Suppresses the Oxidative Burst of the Host Plant. <i>Plant Cell</i> , 2000, 12, 2191-2199.	3.1	491
12	Folate-Targeted Therapies for Cancer. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 6811-6824.	2.9	418
13	Ligand-Targeted Drug Delivery. <i>Chemical Reviews</i> , 2017, 117, 12133-12164.	23.0	408
14	Structure and function of the cytoplasmic domain of band 3: center of erythrocyte membrane-peripheral protein interactions. <i>BBA - Biomembranes</i> , 1986, 864, 145-167.	7.9	399
15	Folate receptor alpha as a tumor target in epithelial ovarian cancer. <i>Gynecologic Oncology</i> , 2008, 108, 619-626.	0.6	365
16	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> , 2005, 102, 2402-2407.	3.3	348
17	Folate-mediated targeting: from diagnostics to drug and gene delivery. <i>Drug Discovery Today</i> , 2001, 6, 44-51.	3.2	341
18	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> , 1999, 121, 147-152.	2.3	322

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19	Role of red blood cells in thrombosis. <i>Current Opinion in Hematology</i> , 1999, 6, 76.	1.2	322
20	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> , 2006, 103, 13872-13877.	3.3	300
21	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> , 2007, 104, 11760-11765.	3.3	295
22	Fast Release of Lipophilic Agents from Circulating PEG-PDLLA Micelles Revealed by <i>in Vivo</i> Förster Resonance Energy Transfer Imaging. <i>Langmuir</i> , 2008, 24, 5213-5217.	1.6	293
23	Crystallographic structure and functional interpretation of the cytoplasmic domain of erythrocyte membrane band 3. <i>Blood</i> , 2000, 96, 2925-2933.	0.6	279
24	Folate receptor-targeted drugs for cancer and inflammatory diseases. <i>Advanced Drug Delivery Reviews</i> , 2004, 56, 1055-1058.	6.6	279
25	Folate-mediated targeting of antineoplastic drugs, imaging agents, and nucleic acids to cancer cells. <i>Journal of Controlled Release</i> , 1998, 53, 39-48.	4.8	272
26	Tumor detection using folate receptor-targeted imaging agents. <i>Cancer and Metastasis Reviews</i> , 2008, 27, 655-664.	2.7	260
27	Folate receptor-mediated targeting of therapeutic and imaging agents to activated macrophages in rheumatoid arthritis. <i>Advanced Drug Delivery Reviews</i> , 2004, 56, 1205-1217.	6.6	258
28	A functional folate receptor is induced during macrophage activation and can be used to target drugs to activated macrophages. <i>Blood</i> , 2009, 113, 438-446.	0.6	257
29	Choroid plexus transcytosis and exosome shuttling deliver folate into brain parenchyma. <i>Nature Communications</i> , 2013, 4, 2123.	5.8	256
30	Folate-mediated delivery of macromolecular anticancer therapeutic agents. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 342-352.	6.6	236
31	Synthesis, Purification, and Tumor Cell Uptake of <sup>67</sup> Ga-Deferoxamine- <sup>125</sup> I-Folate, a Potential Radiopharmaceutical for Tumor Imaging. <i>Bioconjugate Chemistry</i> , 1996, 7, 56-62.	1.8	235
32	Folate receptor-targeted immunotherapy of cancer: mechanism and therapeutic potential. <i>Advanced Drug Delivery Reviews</i> , 2004, 56, 1161-1176.	6.6	225
33	Folate receptor overexpression is associated with poor outcome in breast cancer. <i>International Journal of Cancer</i> , 2007, 121, 938-942.	2.3	224
34	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> , 2016, 22, 2929-2938.	3.2	218
35	Altered erythrocyte endothelial adherence and membrane phospholipid asymmetry in hereditary hydrocytosis. <i>Blood</i> , 2003, 101, 4625-4627.	0.6	217
36	Ligand Binding and Kinetics of Folate Receptor Recycling in Vivo: Impact on Receptor-Mediated Drug Delivery. <i>Molecular Pharmacology</i> , 2004, 66, 1406-1414.	1.0	211

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37	Measurement of endosome pH following folate receptor-mediated endocytosis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1996, 1312, 237-242.	1.9	209
38	Design and Synthesis of [ <sup>111</sup> In]DTPA- <sup>γ</sup> Folate for Use as a Tumor-Targeted Radiopharmaceutical. <i>Bioconjugate Chemistry</i> , 1997, 8, 673-679.	1.8	199
39	Folate-targeted imaging of activated macrophages in rats with adjuvant-induced arthritis. <i>Arthritis and Rheumatism</i> , 2002, 46, 1947-1955.	6.7	187
40	Hemichrome binding to band 3: nucleation of Heinz bodies on the erythrocyte membrane. <i>Biochemistry</i> , 1985, 24, 34-39.	1.2	185
41	Folate-Mediated Targeting of Therapeutic and Imaging Agents to Cancers. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 1998, 15, 41.	1.2	185
42	Folate targeting of haptens to cancer cell surfaces mediates immunotherapy of syngeneic murine tumors. <i>Cancer Immunology, Immunotherapy</i> , 2002, 51, 153-162.	2.0	181
43	Folate-conjugated liposomes preferentially target macrophages associated with ovarian carcinoma. <i>Cancer Letters</i> , 2004, 213, 165-172.	3.2	174
44	Prostate-Specific Membrane Antigen Targeted Imaging and Therapy of Prostate Cancer Using a PSMA Inhibitor as a Homing Ligand. <i>Molecular Pharmaceutics</i> , 2009, 6, 780-789.	2.3	170
45	Regulation of membrane-cytoskeletal interactions by tyrosine phosphorylation of erythrocyte band 3. <i>Blood</i> , 2011, 117, 5998-6006.	0.6	165
46	Dipalmitoylcholine- <sup>γ</sup> Folate Liposomes: An Efficient Vehicle for Intracellular Drug Delivery. <i>Journal of the American Chemical Society</i> , 1998, 120, 11213-11218.	6.6	161
47	Enhanced folate receptor mediated gene therapy using a novel pH-sensitive lipid formulation. <i>Journal of Controlled Release</i> , 2000, 64, 27-37.	4.8	161
48	Immunotherapy of folate receptor-expressing tumors: review of recent advances and future prospects. <i>Journal of Controlled Release</i> , 2003, 91, 17-29.	4.8	156
49	Targeting of folate receptor <sup>1</sup> 2 on acute myeloid leukemia blasts with chimeric antigen receptor- <sup>γ</sup> expressing T cells. <i>Blood</i> , 2015, 125, 3466-3476.	0.6	148
50	Design, Synthesis, and Preclinical Evaluation of Prostate-Specific Membrane Antigen Targeted <sup>99m</sup> Tc-Radioimaging Agents. <i>Molecular Pharmaceutics</i> , 2009, 6, 790-800.	2.3	147
51	Synthesis and activity of a folate peptide camptothecin prodrug. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5350-5355.	1.0	142
52	Erythrocyte detergent-resistant membrane proteins: their characterization and selective uptake during malarial infection. <i>Blood</i> , 2004, 103, 1920-1928.	0.6	140
53	Quantitation of circulating tumor cells in blood samples from ovarian and prostate cancer patients using tumor- <sup>γ</sup> specific fluorescent ligands. <i>International Journal of Cancer</i> , 2008, 123, 1968-1973.	2.3	138
54	Measurement of Ca <sup>2+</sup> Fluxes during Elicitation of the Oxidative Burst in Aequorin-transformed Tobacco Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 28274-28280.	1.6	137

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55	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> , 2004, 287, C517-C526.	2.1	134
56	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> , 2002, 277, 33075-33080.	1.6	133
57	A Role for the Proton-coupled Folate Transporter (PCFT-SLC46A1) in Folate Receptor-mediated Endocytosis. <i>Journal of Biological Chemistry</i> , 2009, 284, 4267-4274.	1.6	133
58	Adducin forms a bridge between the erythrocyte membrane and its cytoskeleton and regulates membrane cohesion. <i>Blood</i> , 2009, 114, 1904-1912.	0.6	127
59	Mapping of glycolytic enzyme-binding sites on human erythrocyte band 3. <i>Biochemical Journal</i> , 2006, 400, 143-151.	1.7	124
60	Intraoperative imaging of folate receptor alpha positive ovarian and breast cancer using the tumor specific agent EC17. <i>Oncotarget</i> , 2016, 7, 32144-32155.	0.8	116
61	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> , 2002, 1559, 56-68.	1.4	115
62	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> , 2003, 30, 725-731.	0.3	113
63	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> , 2007, 321, 462-468.	1.3	113
64	Phorbol ester stimulates a protein kinase C-mediated agatoxin-TK-sensitive calcium permeability pathway in human red blood cells. <i>Blood</i> , 2002, 100, 3392-3399.	0.6	112
65	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> , 2009, 106, 18515-18520.	3.3	109
66	Effect of Folate-Targeted Nanoparticle Size on Their Rates of Penetration into Solid Tumors. <i>ACS Nano</i> , 2013, 7, 8573-8582.	7.3	108
67	Characterization of the deoxyhemoglobin binding site on human erythrocyte band 3: implications for O <sub>2</sub> regulation of erythrocyte properties. <i>Blood</i> , 2008, 111, 932-938.	0.6	107
68	Immunohistochemical expression of folate receptor $\beta$ in colorectal carcinoma: patterns and biological significance. <i>Human Pathology</i> , 2008, 39, 498-505.	1.1	102
69	Identification of the Components of a Glycolytic Enzyme Metabolon on the Human Red Blood Cell Membrane. <i>Journal of Biological Chemistry</i> , 2013, 288, 848-858.	1.6	102
70	Synthesis and Biological Analysis of Prostate-Specific Membrane Antigen-Targeted Anticancer Prodrugs. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 7767-7777.	2.9	101
71	Expression and Functional Characterization of the $\beta$ -Isoform of the Folate Receptor on CD34 <sup>+</sup> Cells. <i>Blood</i> , 1999, 93, 3940-3948.	0.6	100
72	Use of a Single CAR T Cell and Several Bispecific Adapters Facilitates Eradication of Multiple Antigenically Different Solid Tumors. <i>Cancer Research</i> , 2019, 79, 387-396.	0.4	96

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73	Evaluation of Biochemical Changes During In Vivo Erythrocyte Senescence in the Dog. <i>Blood</i> , 1999, 93, 376-384.	0.6	95
74	Selective Targeting of Malignant Cells with Cytotoxin-Folate Conjugates. <i>Journal of Drug Targeting</i> , 1994, 2, 101-112.	2.1	94
75	Development of Tumor-Targeted Near Infrared Probes for Fluorescence Guided Surgery. <i>Bioconjugate Chemistry</i> , 2013, 24, 1075-1080.	1.8	92
76	Detection of protein kinase activity in sodium dodecyl sulfate-polyacrylamide gels. <i>Analytical Biochemistry</i> , 1986, 153, 151-158.	1.1	91
77	Synthesis of [ <sup>99m</sup> Tc]DTPA-Folate and Its Evaluation as a Folate-Receptor-Targeted Radiopharmaceutical. <i>Bioconjugate Chemistry</i> , 2000, 11, 253-257.	1.8	91
78	Peptide-Mediated Release of Folate-Targeted Liposome Contents from Endosomal Compartments1. <i>Journal of the American Chemical Society</i> , 1996, 118, 1581-1586.	6.6	90
79	Targeting of Nanoparticles: Folate Receptor. <i>Methods in Molecular Biology</i> , 2010, 624, 249-265.	0.4	90
80	Changes in the properties of normal human red blood cells during in vivo aging. <i>American Journal of Hematology</i> , 2013, 88, 44-51.	2.0	90
81	Optimization of folate-conjugated liposomal vectors for folate receptor-mediated gene therapy. <i>Journal of Pharmaceutical Sciences</i> , 1999, 88, 1112-1118.	1.6	89
82	Characterization of glycolytic enzyme interactions with murine erythrocyte membranes in wild-type and membrane protein knockout mice. <i>Blood</i> , 2008, 112, 3900-3906.	0.6	87
83	The Effects of pH and Intraliposomal Buffer Strength on the Rate of Liposome Content Release and Intracellular Drug Delivery. <i>Bioscience Reports</i> , 1998, 18, 69-78.	1.1	86
84	Intraoperative molecular imaging can identify lung adenocarcinomas during pulmonary resection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 150, 28-35.e1.	0.4	86
85	Elicitor stimulation of the defense response in cultured plant cells monitored by fluorescent dyes. <i>Archives of Biochemistry and Biophysics</i> , 1986, 249, 472-479.	1.4	84
86	Lysophosphatidic acid opens a Ca <sup>++</sup> channel in human erythrocytes. <i>Blood</i> , 2000, 95, 2420-2425.	0.6	84
87	Imaging of Atherosclerosis in Apolipoprotein E Knockout Mice: Targeting of a Folate-Conjugated Radiopharmaceutical to Activated Macrophages. <i>Journal of Nuclear Medicine</i> , 2010, 51, 768-774.	2.8	84
88	A phase II, multicenter, open-label trial of OTL38 injection for the intra-operative imaging of folate receptor-alpha positive ovarian cancer. <i>Gynecologic Oncology</i> , 2019, 155, 63-68.	0.6	83
89	Targeting of a Photosensitizer to the Mitochondrion Enhances the Potency of Photodynamic Therapy. <i>ACS Omega</i> , 2018, 3, 6066-6074.	1.6	82
90	Detection of <i>Bacillus subtilis</i> Spores Using Peptide-Functionalized Cantilever Arrays. <i>Journal of the American Chemical Society</i> , 2006, 128, 3716-3721.	6.6	81

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91	Imaging of the diffusion of single band 3 molecules on normal and mutant erythrocytes. <i>Blood</i> , 2009, 113, 6237-6245.	0.6	81
92	Evaluation of the structural interdependence of the membrane-spanning and cytoplasmic domains of band 3. <i>Biochemistry</i> , 1982, 21, 2151-2157.	1.2	80
93	Protein Kinase C Activation Induces Phosphatidylserine Exposure on Red Blood Cells. <i>Biochemistry</i> , 2002, 41, 12562-12567.	1.2	80
94	Optical imaging of metastatic tumors using a folate-targeted fluorescent probe. <i>Journal of Biomedical Optics</i> , 2003, 8, 636.	1.4	79
95	Evaluation of Novel Tumor-Targeted Near-Infrared Probe for Fluorescence-Guided Surgery of Cancer. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 9637-9646.	2.9	79
96	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> , 1996, 271, 18651-18656.	1.6	78
97	Differential scanning calorimetry of chloroplast membranes: identification of an endothermic transition associated with the water-splitting complex of photosystem II. <i>Biochemistry</i> , 1981, 20, 157-162.	1.2	77
98	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> , 2005, 106, 4359-4366.	0.6	76
99	Independent elicitation of the oxidative burst and phytoalexin formation in cultured plant cells. <i>Phytochemistry</i> , 1993, 32, 607-611.	1.4	74
100	The Optical Biopsy. <i>Annals of Surgery</i> , 2015, 262, 602-609.	2.1	73
101	FolamiRs: Ligand-targeted, vehicle-free delivery of microRNAs for the treatment of cancer. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	73
102	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> , 2003, 278, 6879-6884.	1.6	72
103	Folate receptors and transporters: biological role and diagnostic/therapeutic targets in cancer and other diseases. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 125.	3.5	72
104	Folate receptor-targeted immunotherapy: Induction of humoral and cellular immunity against hapten-decorated cancer cells. <i>International Journal of Cancer</i> , 2005, 116, 710-719.	2.3	71
105	Partial characterization of the copolymerization reaction of erythrocyte membrane band 3 with hemichromes. <i>Biochemistry</i> , 1987, 26, 1777-1783.	1.2	70
106	Ligand-Targeted Delivery of Small Interfering RNAs to Malignant Cells and Tissues. <i>Annals of the New York Academy of Sciences</i> , 2009, 1175, 32-39.	1.8	70
107	Reversible binding of hemoglobin to band 3 constitutes the molecular switch that mediates O <sub>2</sub> regulation of erythrocyte properties. <i>Blood</i> , 2016, 128, 2708-2716.	0.6	70
108	Effect of Band 3 Subunit Equilibrium on the Kinetics and Affinity of Ankyrin Binding to Erythrocyte Membrane Vesicles. <i>Journal of Biological Chemistry</i> , 1998, 273, 14819-14826.	1.6	69

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109	Synthesis and evaluation of <sup>99m</sup> Tc(CO) <sub>3</sub> -DTPA-folate as a folate-receptor-targeted radiopharmaceutical. <i>Nuclear Medicine and Biology</i> , 2002, 29, 569-573.	0.3	69
110	Folate-targeted immunotherapy effectively treats established adjuvant and collagen-induced arthritis. <i>Arthritis Research and Therapy</i> , 2006, 8, R77.	1.6	69
111	Regulation of CAR T cell-mediated cytokine release syndrome-like toxicity using low molecular weight adapters. <i>Nature Communications</i> , 2019, 10, 2681.	5.8	69
112	Receptor-mediated targeting of <sup>67</sup> Ga-Deferoxamine-Folate to folate-receptor-positive human kb tumor xenografts. <i>Nuclear Medicine and Biology</i> , 1999, 26, 23-25.	0.3	68
113	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> , 2002, 99, 6637-6642.	3.3	68
114	T-Cell Immunity to the Folate Receptor Alpha Is Prevalent in Women With Breast or Ovarian Cancer. <i>Journal of Clinical Oncology</i> , 2006, 24, 4254-4261.	0.8	68
115	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> , 2004, 287, R454-R464.	0.9	67
116	A Phase I Clinical Trial of Targeted Intraoperative Molecular Imaging for Pulmonary Adenocarcinomas. <i>Annals of Thoracic Surgery</i> , 2018, 105, 901-908.	0.7	67
117	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> , 2009, 40, 1453-1460.	1.1	66
118	The effect of chemotherapy on expression of folate receptor-alpha in ovarian cancer. <i>Cellular Oncology (Dordrecht)</i> , 2012, 35, 9-18.	2.1	66
119	Adaptation of muscle pyruvate kinases to environmental temperatures and pressures. <i>The Journal of Experimental Zoology</i> , 1976, 198, 1-11.	1.4	65
120	Systemin Potentiates the Oxidative Burst in Cultured Tomato Cells <sup>1</sup> . <i>Plant Physiology</i> , 1998, 117, 1031-1036.	2.3	65
121	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> , 2013, 137, 241-244.	1.2	65
122	Comparison of Folate Receptor Targeted Optical Contrast Agents for Intraoperative Molecular Imaging. <i>International Journal of Molecular Imaging</i> , 2015, 2015, 1-10.	1.3	65
123	Cholesterol Level Regulates Endosome Motility via Rab Proteins. <i>Biophysical Journal</i> , 2008, 94, 1508-1520.	0.2	64
124	Functional Folate Receptor Alpha Is Elevated in the Blood of Ovarian Cancer Patients. <i>PLoS ONE</i> , 2009, 4, e6292.	1.1	64
125	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> , 2011, 13, R59.	1.6	64
126	Assessment of folate receptor- $\beta$ expression in human neoplastic tissues. <i>Oncotarget</i> , 2015, 6, 14700-14709.	0.8	64



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127	The effects of anion transport inhibitors on structural transitions in erythrocyte membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1978, 512, 579-591.	1.4	63
128	Erythrocyte signal transduction pathways and their possible functions. <i>Current Opinion in Hematology</i> , 1997, 4, 116-121.	1.2	63
129	Concordance of folate receptor- $\hat{\pm}$ expression between biopsy, primary tumor and metastasis in breast cancer and lung cancer patients. <i>Oncotarget</i> , 2016, 7, 17442-17454.	0.8	63
130	Characterization of the calorimetric C transition of the human erythrocyte membrane. <i>Biochemistry</i> , 1982, 21, 3585-3593.	1.2	62
131	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> , 1998, 273, 27286-27291.	1.6	61
132	Immunomagnetic Diffractometry for Detection of Diagnostic Serum Markers. <i>Journal of the American Chemical Society</i> , 2007, 129, 15824-15829.	6.6	61
133	Treatment of experimental adjuvant arthritis with a novel folate receptor-targeted folic acid-aminopterin conjugate. <i>Arthritis Research and Therapy</i> , 2011, 13, R56.	1.6	61
134	Detection of Folate Binding Protein with Enhanced Sensitivity Using a Functionalized Quartz Crystal Microbalance Sensor. <i>Analytical Chemistry</i> , 2006, 78, 4880-4884.	3.2	60
135	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> , 1987, 149, 266-275.	1.0	59
136	Assessment of folate receptor alpha and beta expression in selection of lung and pancreatic cancer patients for receptor targeted therapies. <i>Oncotarget</i> , 2018, 9, 4485-4495.	0.8	59
137	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> , 2013, 15, R37.	1.6	57
138	Folate Receptor- $\hat{I}^2$ Imaging Using <sup>99m</sup> Tc-Folate to Explore Distribution of Polarized Macrophage Populations in Human Atherosclerotic Plaque. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1945-1951.	2.8	57
139	Targeted inhibition of PI3 kinase/mTOR specifically in fibrotic lung fibroblasts suppresses pulmonary fibrosis in experimental models. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	57
140	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> , 2000, 1502, 461-470.	1.8	56
141	Intraoperative fluorescence imaging in thoracic surgery. <i>Journal of Surgical Oncology</i> , 2018, 118, 344-355.	0.8	56
142	Peroxiredoxin-2 expression is increased in $\hat{I}^2$ -thalassemic mouse red cells but is displaced from the membrane as a marker of oxidative stress. <i>Free Radical Biology and Medicine</i> , 2010, 49, 457-466.	1.3	55
143	Fluorescence-guided surgery of cancer: applications, tools and perspectives. <i>Current Opinion in Chemical Biology</i> , 2018, 45, 64-72.	2.8	55
144	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> , 2012, 109, 12794-12799.	3.3	54

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145	Oxygen regulates the band 3-ankyrin bridge in the human erythrocyte membrane. <i>Biochemical Journal</i> , 2013, 449, 143-150.	1.7	54
146	Targeting Folate Receptors to Treat Invasive Urinary Bladder Cancer. <i>Cancer Research</i> , 2013, 73, 875-884.	0.4	52
147	Guiding principles in the design of ligand-targeted nanomedicines. <i>Nanomedicine</i> , 2014, 9, 313-330.	1.7	52
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