Renata Pasqualini

List of Publications by Year in Descending Order

227 papers	20,531 citations	70 h-index	140 g-index
243 ext. papers	22,161 ext. citations	11.3 avg, IF	6.32 L-index

#	Paper	IF	Citations
227	Translational Modeling Identifies Synergy between Nanoparticle-Delivered miRNA-22 and Standard-of-Care Drugs in Triple-Negative Breast Cancer.. *Pharmaceutical Research*, **2022**, 39, 511	4.5	1
226	Targeting vascular zip codes **2022**, 393-401		
225	Structural models of SARS-CoV-2 Omicron variant in complex with ACE2 receptor or antibodies suggest altered binding interfaces. **2021**,		2
224	Early prediction of clinical response to checkpoint inhibitor therapy in human solid tumors through mathematical modeling. *ELife*, **2021**, 10,	8.9	1
223	Protocol for design, construction, and selection of genome phage (gPhage) display libraries. *STAR Protocols*, **2021**, 2, 100936	1.4	0
222	Predicting Proteome-Scale Protein Structure with Artificial Intelligence. *New England Journal of Medicine*, **2021**, 385, 2191-2194	59.2	2
221	Does the RAAS play a role in loss of taste and smell during COVID-19 infections?. *Pharmacogenomics Journal*, **2021**, 21, 109-115	3.5	5
220	Targeted Phage Display-based Pulmonary Vaccination in Mice and Non-human Primates. *Med*, **2021**, 2, 321-342	31.7	6
219	A refined genome phage display methodology delineates the human antibody response in patients with Chagas disease. *IScience*, **2021**, 24, 102540	6.1	2
218	A Mathematical Model to Estimate Chemotherapy Concentration at the Tumor-Site and Predict Therapy Response in Colorectal Cancer Patients with Liver Metastases. *Cancers*, **2021**, 13,	6.6	4
217	Design and proof of concept for targeted phage-based COVID-19 vaccination strategies with a streamlined cold-free supply chain. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	13
216	Apropos of Universal Epitope Discovery for COVID-19 Vaccines: A Framework for Targeted Phage Display-Based Delivery and Integration of New Evaluation Tools **2021**,		3
215	Fatty acid mobilization from adipose tissue is mediated by CD36 posttranslational modifications and intracellular trafficking. *JCI Insight*, **2021**, 6,	9.9	6
214	Mathematical prediction of clinical outcomes in advanced cancer patients treated with checkpoint inhibitor immunotherapy. *Science Advances*, **2020**, 6, eaay6298	14.3	16
213	Eph receptors as cancer targets for antibody-based therapy. *Advances in Cancer Research*, **2020**, 147, 303-317	5.9	2
212	Preclinical efficacy of the GPER-selective agonist G-1 in mouse models of obesity and diabetes. *Science Translational Medicine*, **2020**, 12,	17.5	27
211	Nna1 gene deficiency triggers Purkinje neuron death by tubulin hyperglutamylation and ER dysfunction. *JCI Insight*, **2020**, 5,	9.9	6

210	Innate immunity plays a key role in controlling viral load in COVID-19: mechanistic insights from a whole-body infection dynamics model **2020**,		4
209	Prostate Cancer Progression and the Epigenome. *New England Journal of Medicine*, **2020**, 383, 2287-2299	59.2	2
208	Targeted AAVP-based therapy in a mouse model of human glioblastoma: a comparison of cytotoxic versus suicide gene delivery strategies. *Cancer Gene Therapy*, **2020**, 27, 301-310	5.4	12
207	Ceramide launches an acute anti-adhesion pro-migration cell signaling program in response to chemotherapy. *FASEB Journal*, **2020**, 34, 7610-7630	0.9	11
206	A ligand motif enables differential vascular targeting of endothelial junctions between brain and retina. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 2300-2305	11.5	7
205	Next-generation of targeted AAVP vectors for systemic transgene delivery against cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 18571-18577	11.5	21
204	TLR9/MyD88/TRIF signaling activates host immune inhibitory CD200 in Leishmania infection. *JCI Insight*, **2019**, 4,	9.9	19
203	Emerging Pharmacologic Targets in Cerebral Cavernous Malformation and Potential Strategies to Alter the Natural History of a Difficult Disease: A Review. *JAMA Neurology*, **2019**, 76, 492-500	17.2	21
202	MLH1-rheMac hereditary nonpolyposis colorectal cancer syndrome in rhesus macaques. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 2806-2811	11.5	4
201	Therapeutic targeting of membrane-associated GRP78 in leukemia and lymphoma: preclinical efficacy in vitro and formal toxicity study of BMTP-78 in rodents and primates. *Pharmacogenomics Journal*, **2018**, 18, 436-443	3.5	17
200	Selection of phage-displayed accessible recombinant targeted antibodies (SPARTA): methodology and applications. *JCI Insight*, **2018**, 3,	9.9	11
199	An antivascular vaccine to boost self-immunity and strike the tumor. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E3164-E3165	11.5	1
198	Interaction between Tumor Cell Surface Receptor RAGE and Proteinase 3 Mediates Prostate Cancer Metastasis to Bone. *Cancer Research*, **2017**, 77, 3144-3150	10.1	25
197	An AAVP-based solid-phase transducing matrix for transgene delivery: potential for translational applications. *Cancer Gene Therapy*, **2017**, 24, 358-360	5.4	3
196	Autoantibodies against the cell surface-associated chaperone GRP78 stimulate tumor growth via tissue factor. *Journal of Biological Chemistry*, **2017**, 292, 21180-21192	5.4	11
195	A total transcriptome profiling method for plasma-derived extracellular vesicles: applications for liquid biopsies. *Scientific Reports*, **2017**, 7, 14395	4.9	44
194	Going viral? Linking the etiology of human prostate cancer to the long noncoding RNA and oncogenic viruses. *EMBO Molecular Medicine*, **2017**, 9, 1327-1330	12	9
193	BMTP-11 is active in preclinical models of human osteosarcoma and a candidate targeted drug for clinical translation. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 8065-8070	11.5	13

192	Intracellular targeting of annexin A2 inhibits tumor cell adhesion, migration, and in vivo grafting. *Scientific Reports*, **2017**, 7, 4243	4.9	22
191	Monoclonal IgG in MGUS and multiple myeloma targets infectious pathogens. *JCI Insight*, **2017**, 2,	9.9	18
190	Towards a transcriptome-based theranostic platform for unfavorable breast cancer phenotypes. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 12780-12785	11.5	27
189	Targeted molecular-genetic imaging and ligand-directed therapy in aggressive variant prostate cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 12786-12791	11.5	31
188	Interleukin-11 Receptor Is a Candidate Target for Ligand-Directed Therapy in Lung Cancer: Analysis of Clinical Samples and BMTP-11 Preclinical Activity. *American Journal of Pathology*, **2016**, 186, 2162-2170	5.8	13
187	Ligand-targeted theranostic nanomedicines against cancer. *Journal of Controlled Release*, **2016**, 240, 267-286	11.7	114
186	AAVP displaying octreotide for ligand-directed therapeutic transgene delivery in neuroendocrine tumors of the pancreas. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 2466-71	11.5	30
185	Integrated nanotechnology platform for tumor-targeted multimodal imaging and therapeutic cargo release. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 1877-82	11.5	45
184	Self-targeting of TNF-releasing cancer cells in preclinical models of primary and metastatic tumors. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 2223-8	11.5	28
183	Prohibitin/annexin 2 interaction regulates fatty acid transport in adipose tissue. *JCI Insight*, **2016**, 1,	9.9	30
182	Neutrophil-Secreted Proteinase 3 Mediates Metastasis of Prostate Cancer Cells Expressing RAGE to the Bone Marrow. *Blood*, **2016**, 128, 1025-1025	2.2	1
181	CTHRSSVVC Peptide as a Possible Early Molecular Imaging Target for Atherosclerosis. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	3
180	Brain endothelial cell-targeted gene therapy of neurovascular disorders. *EMBO Molecular Medicine*, **2016**, 8, 592-4	12	7
179	Pulmonary Targeting of Adeno-associated Viral Vectors by Next-generation Sequencing-guided Screening of Random Capsid Displayed Peptide Libraries. *Molecular Therapy*, **2016**, 24, 1050-1061	11.7	42
178	BCAM and LAMA5 Mediate the Recognition between Tumor Cells and the Endothelium in the Metastatic Spreading of KRAS-Mutant Colorectal Cancer. *Clinical Cancer Research*, **2016**, 22, 4923-4933	12.9	34
177	Discovery and horizontal follow-up of an autoantibody signature in human prostate cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 2515-20	11.5	36
176	PRUNE2 is a human prostate cancer suppressor regulated by the intronic long noncoding RNA PCA3. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 8403-8	11.5	179
175	Synchronous down-modulation of miR-17 family members is an early causative event in the retinal angiogenic switch. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 3770-5	11.5	30

174	Targeting IL11 Receptor in Leukemia and Lymphoma: A Functional Ligand-Directed Study and Hematopathology Analysis of Patient-Derived Specimens. *Clinical Cancer Research*, **2015**, 21, 3041-51	12.9	8
173	Linear mRNA amplification approach for RNAseq from limited amount of RNA. *Gene*, **2015**, 564, 220-7	3.8	2
172	Selection and identification of ligand peptides targeting a model of castrate-resistant osteogenic prostate cancer and their receptors. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 3776-81	11.5	37
171	Receptor tyrosine kinase EphA5 is a functional molecular target in human lung cancer. *Journal of Biological Chemistry*, **2015**, 290, 7345-59	5.4	29
170	The peptidomimetic Vasotide targets two retinal VEGF receptors and reduces pathological angiogenesis in murine and nonhuman primate models of retinal disease. *Science Translational Medicine*, **2015**, 7, 309ra165	17.5	32
169	The Neuronal Pentraxin-2 Pathway Is an Unrecognized Target in Human Neuroblastoma, Which Also Offers Prognostic Value in Patients. *Cancer Research*, **2015**, 75, 4265-71	10.1	16
168	Targeting the interleukin-11 receptor in metastatic prostate cancer: A first-in-man study. *Cancer*, **2015**, 121, 2411-21	6.4	35
167	Ligand-directed targeting of lymphatic vessels uncovers mechanistic insights in melanoma metastasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 2521-6	11.5	13
166	Drug design strategies for the treatment of prostate cancer. *Expert Opinion on Drug Discovery*, **2015** , 10, 81-90	6.2	7
165	Ligand-directed profiling of organelles with internalizing phage libraries. *Current Protocols in Protein Science*, **2015**, 79, 30.4.1-30.4.30	3.1	1
164	An anti-ubiquitin antibody response in transitional cell carcinoma of the urinary bladder. *PLoS ONE*, **2015**, 10, e0118646	3.7	
163	Design, development, and validation of a high-throughput drug-screening assay for targeting of human leukemia. *Cancer*, **2014**, 120, 589-602	6.4	3
162	A multifunctional streptococcal collagen-mimetic protein coating prevents bacterial adhesion and promotes osteoid formation on titanium. *Acta Biomaterialia*, **2014**, 10, 3354-62	10.8	35
161	Bone marrow-derived CD13 cells sustain tumor progression: A potential non-malignant target for anticancer therapy. *OncoImmunology*, **2014**, 3, e27716	7.2	4
160	Targeting mammalian organelles with internalizing phage (iPhage) libraries. *Nature Protocols*, **2013**, 8, 1916-39	18.8	24
159	Novel phage display-derived neuroblastoma-targeting peptides potentiate the effect of drug nanocarriers in preclinical settings. *Journal of Controlled Release*, **2013**, 170, 233-41	11.7	35
158	Semiparametric Bayesian inference for phage display data. *Biometrics*, **2013**, 69, 174-83	1.8	5
157	Mechanism of action and initial evaluation of a membrane active all-D-enantiomer antimicrobial peptidomimetic. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 3477-82	11.5	55

156	CD13-positive bone marrow-derived myeloid cells promote angiogenesis, tumor growth, and metastasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 20717-22	11.5	28
155	Inhibition of established micrometastases by targeted drug delivery via cell surface-associated GRP78. *Clinical Cancer Research*, **2013**, 19, 2107-16	12.9	59
154	Coronary microvascular pericytes are the cellular target of sunitinib malate-induced cardiotoxicity. *Science Translational Medicine*, **2013**, 5, 187ra69	17.5	132
153	Bayesian decision theoretic multiple comparison procedures: an application to phage display data. *Biometrical Journal*, **2013**, 55, 478-89	1.5	
152	A physical sciences network characterization of non-tumorigenic and metastatic cells. *Scientific Reports*, **2013**, 3, 1449	4.9	113
151	Blockade of inhibitors of apoptosis (IAPs) in combination with tumor-targeted delivery of tumor necrosis factor- leads to synergistic antitumor activity. *Cancer Gene Therapy*, **2013**, 20, 46-56	5.4	24
150	Tissue plasminogen activator regulates Purkinje neuron development and survival. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E2410-9	11.5	34
149	Luminescent silica nanoparticles for cancer diagnosis. *Current Medicinal Chemistry*, **2013**, 20, 2195-211	4.3	59
148	An antimicrobial peptidomimetic induces Mucorales cell death through mitochondria-mediated apoptosis. *PLoS ONE*, **2013**, 8, e76981	3.7	18
147	TU-A-108-11: Nanoscaffold-Enhanced Proton Therapy. *Medical Physics*, **2013**, 40, 422-422	4.4	
146	Targeted drug delivery and penetration into solid tumors. *Medicinal Research Reviews*, **2012**, 32, 1078-91	14.4	96
145	A complex of 6 integrin and E-cadherin drives liver metastasis of colorectal cancer cells through hepatic angiopoietin-like 6. *EMBO Molecular Medicine*, **2012**, 4, 1156-75	12	37
144	Combinatorial targeting and discovery of ligand-receptors in organelles of mammalian cells. *Nature Communications*, **2012**, 3, 788	17.4	37
143	Response to Comment on "A Peptidomimetic Targeting White Fat Causes Weight Loss and Improved Insulin Resistance in Obese Monkeys". *Science Translational Medicine*, **2012**, 4, 131lr2-131lr2	17.5	
142	Cooperative effects of aminopeptidase N (CD13) expressed by nonmalignant and cancer cells within the tumor microenvironment. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 1637-42	11.5	94
141	Anti-ceramide antibody prevents the radiation gastrointestinal syndrome in mice. *Journal of Clinical Investigation*, **2012**, 122, 1786-90	15.9	84
140	Poly (A)+ transcriptome assessment of ERBB2-induced alterations in breast cell lines. *PLoS ONE*, **2011**, 6, e21022	3.7	16
139	Targeting neuropilin-1 in human leukemia and lymphoma. *Blood*, **2011**, 117, 920-7	2.2	78

138	B-cell receptor epitope recognition correlates with the clinical course of chronic lymphocytic leukemia. *Cancer*, **2011**, 117, 1891-900	6.4	27
137	Genetic basis for in vivo daptomycin resistance in enterococci. *New England Journal of Medicine*, **2011**, 365, 892-900	59.2	252
136	Enhanced relative biological effectiveness of proton radiotherapy in tumor cells with internalized gold nanoparticles. *Applied Physics Letters*, **2011**, 98, 193702	3.4	108
135	Discovery of DNA repair inhibitors by combinatorial library profiling. *Cancer Research*, **2011**, 71, 1816-24	10.1	3
134	A peptidomimetic targeting white fat causes weight loss and improved insulin resistance in obese monkeys. *Science Translational Medicine*, **2011**, 3, 108ra112	17.5	66
133	Vascular ligand-receptor mapping by direct combinatorial selection in cancer patients. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 18637-42	11.5	60
132	Inhibitory peptides of the sulfotransferase domain of the heparan sulfate enzyme, N-deacetylase-N-sulfotransferase-1. *Journal of Biological Chemistry*, **2011**, 286, 5338-46	5.4	27
131	Systemic combinatorial peptide selection yields a non-canonical iron-mimicry mechanism for targeting tumors in a mouse model of human glioblastoma. *Journal of Clinical Investigation*, **2011**, 121, 161-73	15.9	110
130	Identification of novel immunoregulatory molecules in human thymic regulatory CD4+CD25+ T cells by phage display. *PLoS ONE*, **2011**, 6, e21702	3.7	8
129	Three-dimensional tissue culture based on magnetic cell levitation. *Nature Nanotechnology*, **2010**, 5, 291-6	28.7	432
128	Processing of the matricellular protein hevin in mouse brain is dependent on ADAMTS4. *Journal of Biological Chemistry*, **2010**, 285, 5868-77	5.4	23
127	From combinatorial peptide selection to drug prototype (II): targeting the epidermal growth factor receptor pathway. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 5118-23	11.5	40
126	From combinatorial peptide selection to drug prototype (I): targeting the vascular endothelial growth factor receptor pathway. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 5112-7	11.5	53
125	Role of the gp85/trans-sialidases in Trypanosoma cruzi tissue tropism: preferential binding of a conserved peptide motif to the vasculature in vivo. *PLoS Neglected Tropical Diseases*, **2010**, 4, e864	4.8	40
124	On the synergistic effects of ligand-mediated and phage-intrinsic properties during in vivo selection. *Advances in Genetics*, **2010**, 69, 115-33	3.3	2
123	Leveraging molecular heterogeneity of the vascular endothelium for targeted drug delivery and imaging. *Seminars in Thrombosis and Hemostasis*, **2010**, 36, 343-51	5.3	22
122	An integrated approach for the rational design of nanovectors for biomedical imaging and therapy. *Advances in Genetics*, **2010**, 69, 31-64	3.3	43
121	Nna1 mediates Purkinje cell dendritic development via lysyl oxidase propeptide and NF-B signaling. *Neuron*, **2010**, 68, 45-60	13.9	60

120	GRP78 signaling hub a receptor for targeted tumor therapy. *Advances in Genetics*, **2010**, 69, 97-114	3.3	75
119	Phage display technology for stem cell delivery and systemic therapy. *Advanced Drug Delivery Reviews*, **2010**, 62, 1213-6	18.5	18
118	MicroRNAs and ultraconserved genes as diagnostic markers and therapeutic targets in cancer and cardiovascular diseases. *Journal of Cardiovascular Translational Research*, **2010**, 3, 271-9	3.3	36
117	Combinatorial targeting and nanotechnology applications. *Biomedical Microdevices*, **2010**, 12, 597-606	3.7	19
116	Combined targeting of perivascular and endothelial tumor cells enhances anti-tumor efficacy of liposomal chemotherapy in neuroblastoma. *Journal of Controlled Release*, **2010**, 145, 66-73	11.7	73
115	Combinatorial vascular targeting in translational medicine. *Proteomics - Clinical Applications*, **2010**, 4, 626-32	3.1	7
114	Targeting synthetic lethality in DNA damage repair pathways as an anti-cancer strategy. *Current Drug Targets*, **2010**, 11, 1336-40	3	19
113	An unrecognized extracellular function for an intracellular adapter protein released from the cytoplasm into the tumor microenvironment. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 2182-7	11.5	36
112	Next-generation phage display: integrating and comparing available molecular tools to enable cost-effective high-throughput analysis. *PLoS ONE*, **2009**, 4, e8338	3.7	118
111	White adipose tissue cells are recruited by experimental tumors and promote cancer progression in mouse models. *Cancer Research*, **2009**, 69, 5259-66	10.1	242
110	Discovery of a functional protein complex of netrin-4, laminin gamma1 chain, and integrin alpha6beta1 in mouse neural stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 2903-8	11.5	86
109	Targeting cancer-specific synthetic lethality in double-strand DNA break repair. *Cell Cycle*, **2009**, 8, 1872-6	4.7	15
108	Ceramide-mediated apoptosis following ionizing radiation in human prostate cancer cells: PKCalpha joins the fray. *Cancer Biology and Therapy*, **2009**, 8, 64-5	4.6	3
107	Combinatorial ligand-directed lung targeting. *Proceedings of the American Thoracic Society*, **2009**, 6, 411-5		32
106	The interleukin-11 receptor alpha as a candidate ligand-directed target in osteosarcoma: consistent data from cell lines, orthotopic models, and human tumor samples. *Cancer Research*, **2009**, 69, 1995-9	10.1	61
105	A heterotypic bystander effect for tumor cell killing after adeno-associated virus/phage-mediated, vascular-targeted suicide gene transfer. *Molecular Cancer Therapeutics*, **2009**, 8, 2383-91	6.1	45
104	Tumor vasculature-targeted delivery of tumor necrosis factor-alpha. *Cancer*, **2009**, 115, 128-39	6.4	57
103	Extracellular and intracellular mechanisms that mediate the metastatic activity of exogenous osteopontin. *Cancer*, **2009**, 115, 1753-64	6.4	4

102	Intravascular delivery of particulate systems: does geometry really matter?. *Pharmaceutical Research*, **2009**, 26, 235-43	4.5	481
101	Peptidase substrates via global peptide profiling. *Nature Chemical Biology*, **2009**, 5, 23-5	11.7	50
100	Ligand-directed profiling: applications to target drug discovery in cancer. *Expert Opinion on Drug Discovery*, **2009**, 4, 51-9	6.2	4
99	Ligand-directed cancer gene therapy to angiogenic vasculature. *Advances in Genetics*, **2009**, 67, 103-121	3.3	5
98	Launching a novel preclinical infrastructure: comparative oncology trials consortium directed therapeutic targeting of TNFalpha to cancer vasculature. *PLoS ONE*, **2009**, 4, e4972	3.7	93
97	A 45-kDa ErbB3 secreted by prostate cancer cells promotes bone formation. *Oncogene*, **2008**, 27, 5195-203	7.1	22
96	Beyond receptor expression levels: the relevance of target accessibility in ligand-directed pharmacodelivery systems. *Trends in Cardiovascular Medicine*, **2008**, 18, 126-32	6.9	38
95	Chapter 4. Screening phage-display Peptide libraries for vascular targeted peptides. *Methods in Enzymology*, **2008**, 445, 83-106	1.7	18
94	Tumor-targeted gene delivery using molecularly engineered hybrid polymers functionalized with a tumor-homing peptide. *Bioconjugate Chemistry*, **2008**, 19, 403-5	6.3	72
93	A preclinical model for predicting drug response in soft-tissue sarcoma with targeted AAVP molecular imaging. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 4471-6	11.5	64
92	Does the renin-angiotensin system participate in regulation of human vasculogenesis and angiogenesis?. *Cancer Research*, **2008**, 68, 9112-5	10.1	72
91	A subset of host B lymphocytes controls melanoma metastasis through a melanoma cell adhesion molecule/MUC18-dependent interaction: evidence from mice and humans. *Cancer Research*, **2008**, 68, 8419-28	10.1	60
90	A population of multipotent CD34-positive adipose stromal cells share pericyte and mesenchymal surface markers, reside in a periendothelial location, and stabilize endothelial networks. *Circulation Research*, **2008**, 102, 77-85	15.7	680
89	Targeted induction of lung endothelial cell apoptosis causes emphysema-like changes in the mouse. *Journal of Biological Chemistry*, **2008**, 283, 29447-60	5.4	96
88	Combinatorial targeting of the macropinocytotic pathway in leukemia and lymphoma cells. *Journal of Biological Chemistry*, **2008**, 283, 11752-62	5.4	45
87	Bottom-up assembly of hydrogels from bacteriophage and Au nanoparticles: the effect of cis- and trans-acting factors. *PLoS ONE*, **2008**, 3, e2242	3.7	36
86	A ligand peptide motif selected from a cancer patient is a receptor-interacting site within human interleukin-11. *PLoS ONE*, **2008**, 3, e3452	3.7	29
85	IFATS collection: Combinatorial peptides identify alpha5beta1 integrin as a receptor for the matricellular protein SPARC on adipose stromal cells. *Stem Cells*, **2008**, 26, 2735-45	5.8	63

84	B-Cell Receptor Profiling Suggests a Limited Number of Antigens Involved in the Pathogenesis of Chronic Lymphocytic Leukemia.. *Blood*, **2008**, 112, 2060-2060	2.2	
83	Molecular PET imaging of HSV1-tk reporter gene expression using [18F]FEAU. *Nature Protocols*, **2007**, 2, 416-23	18.8	62
82	Design and construction of targeted AAVP vectors for mammalian cell transduction. *Nature Protocols*, **2007**, 2, 523-31	18.8	81
81	A previously unrecognized protein-protein interaction between TWEAK and CD163: potential biological implications. *Journal of Immunology*, **2007**, 178, 8183-94	5.3	167
80	The original Pathologische Anatomie Leiden-Endothelium monoclonal antibody recognizes a vascular endothelial growth factor binding site within neuropilin-1. *Cancer Research*, **2007**, 67, 9623-9	10.1	14
79	Impaired angiogenesis in aminopeptidase N-null mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 4588-93	11.5	103
78	Treatment of hypoxia-induced retinopathy with targeted proapoptotic peptidomimetic in a mouse model of disease. *FASEB Journal*, **2007**, 21, 3272-8	0.9	25
77	Techniques to decipher molecular diversity by phage display. *Methods in Molecular Biology*, **2007**, 357, 385-406	1.4	28
76	Vascular targeting: recent advances and therapeutic perspectives. *Trends in Cardiovascular Medicine* , **2006**, 16, 80-8	6.9	118
75	Antiangiogenic therapy decreases integrin expression in normalized tumor blood vessels. *Cancer Research*, **2006**, 66, 2639-49	10.1	26
74	Ligand-directed surface profiling of human cancer cells with combinatorial peptide libraries. *Cancer Research*, **2006**, 66, 34-40	10.1	66
73	Networks of gold nanoparticles and bacteriophage as biological sensors and cell-targeting agents. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 1215-20	11.5	218
72	Novel function of alternatively activated macrophages: stabilin-1-mediated clearance of SPARC. *Journal of Immunology*, **2006**, 176, 5825-32	5.3	142
71	Synchronous selection of homing peptides for multiple tissues by in vivo phage display. *FASEB Journal*, **2006**, 20, 979-81	0.9	105
70	In vivo detection of gold-imidazole self-assembly complexes: NIR-SERS signal reporters. *Analytical Chemistry*, **2006**, 78, 6232-7	7.8	69
69	A hybrid vector for ligand-directed tumor targeting and molecular imaging. *Cell*, **2006**, 125, 385-98	56.2	213
68	Display technologies: application for the discovery of drug and gene delivery agents. *Advanced Drug Delivery Reviews*, **2006**, 58, 1622-54	18.5	194
67	Targeting pancreatic islets with phage display assisted by laser pressure catapult microdissection. *American Journal of Pathology*, **2005**, 166, 625-36	5.8	88

66	Phenotypic diversity of the lung vasculature in experimental models of metastases. *Chest*, **2005**, 128, 596S-600S	5.3	12
65	Cell surface-associated Tat modulates HIV-1 infection and spreading through a specific interaction with gp120 viral envelope protein. *Blood*, **2005**, 105, 2802-11	2.2	38
64	Structural basis for the interaction of a vascular endothelial growth factor mimic peptide motif and its corresponding receptors. *Chemistry and Biology*, **2005**, 12, 1075-83		35
63	Angiogenesis with pericyte abnormalities in a transgenic model of prostate carcinoma. *Cancer*, **2005**, 104, 2104-15	6.4	37
62	Development of a ligand-directed approach to study the pathogenesis of invasive aspergillosis. *Infection and Immunity*, **2005**, 73, 7747-58	3.7	10
61	SPARC regulates extracellular matrix organization through its modulation of integrin-linked kinase activity. *Journal of Biological Chemistry*, **2005**, 280, 36483-93	5.4	156
60	Combinatorial screenings in patients: the interleukin-11 receptor alpha as a candidate target in the progression of human prostate cancer. *Cancer Research*, **2004**, 64, 435-9	10.1	118
59	Model of unidirectional transluminal gene transfer. *Molecular Therapy*, **2004**, 9, 305-10	11.7	4
58	Reversal of obesity by targeted ablation of adipose tissue. *Nature Medicine*, **2004**, 10, 625-32	50.5	466
57	An HSP90-mimic peptide revealed by fingerprinting the pool of antibodies from ovarian cancer patients. *Oncogene*, **2004**, 23, 8859-67	9.2	56
56	Aminopeptidase A is a functional target in angiogenic blood vessels. *Cancer Cell*, **2004**, 5, 151-62	24.3	124
55	Cell surface expression of the stress response chaperone GRP78 enables tumor targeting by circulating ligands. *Cancer Cell*, **2004**, 6, 275-84	24.3	329
54	Design and validation of a bifunctional ligand display system for receptor targeting. *Chemistry and Biology*, **2004**, 11, 1081-91		61
53	Hybridoma-free generation of monoclonal antibodies. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 257-9	11.5	51
52	An artificially designed pore-forming protein with anti-tumor effects. *Journal of Biological Chemistry*, **2003**, 278, 35311-6	5.4	15
51	Revisiting Ethical Guidelines for Research with Terminal Wean and Brain-Dead Participants. *Hastings Center Report*, **2003**, 33, 20	3.3	22
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